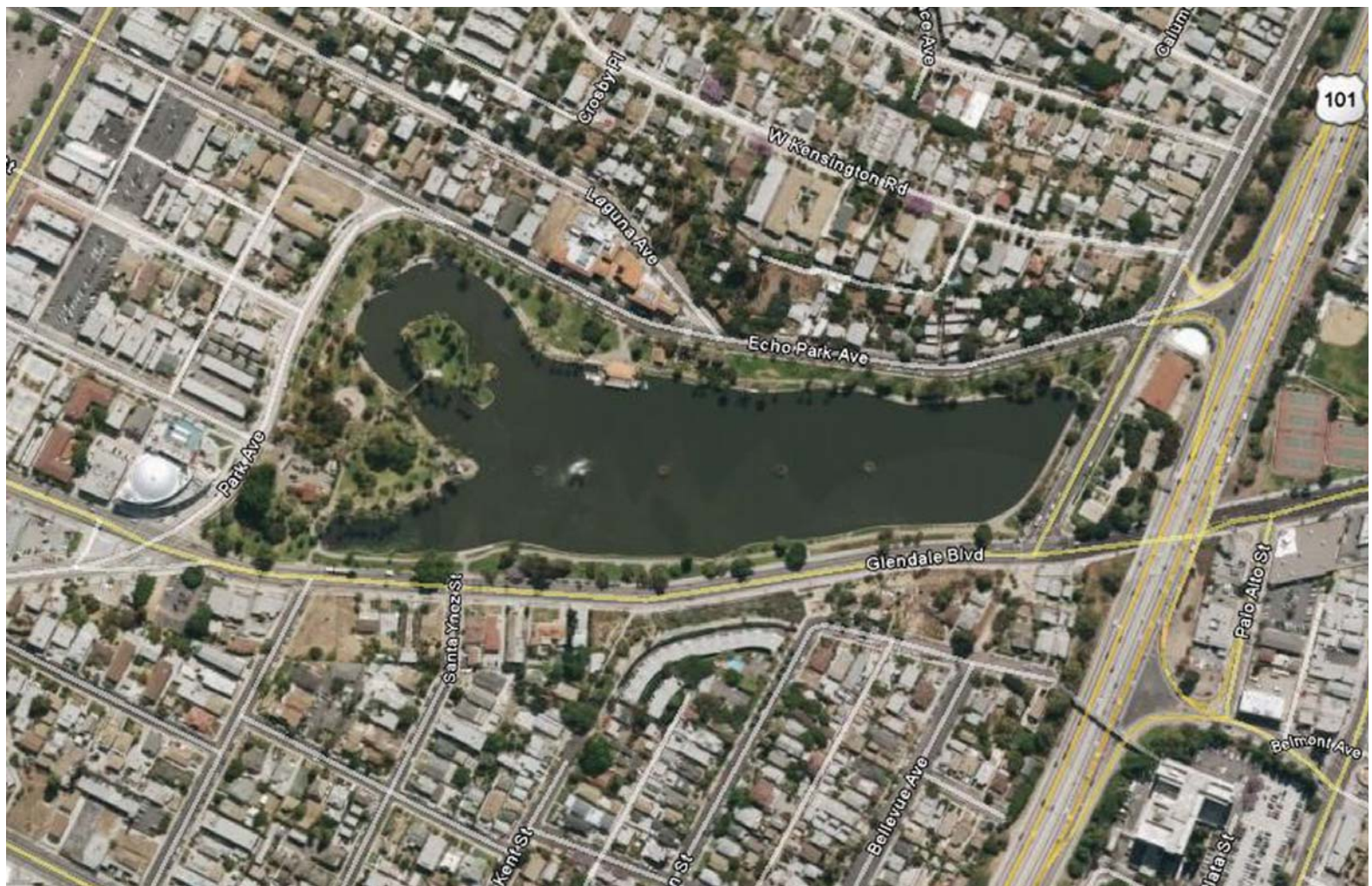


TECHNICAL APPENDICES FOR

Echo Park Lake

REHABILITATION PROJECT



City of Los Angeles
Department of Public Works
Bureau of Engineering
Environmental Management Group

July 15, 2010



AECOM

**DRAFT ENVIRONMENTAL IMPACT REPORT
APPENDIX A**

**NOTICE OF PREPARATION, INITIAL STUDY
& RESPONSES TO IS/NOP**

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DEPARTMENT OF
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BUREAU OF
ENGINEERING

GARY LEE MOORE, P.E.
CITY ENGINEER

1149 S. BROADWAY, SUITE 700
LOS ANGELES, CA 90015-2213

<http://eng.lacity.org>

ORIGINAL FILED

SEP 10 2009

LOS ANGELES, COUNTY CLERK

September 10, 2009

NOTICE OF PREPARATION

To: Responsible Agencies, Trustee Agencies, Stakeholders and Interested Parties

From: City of Los Angeles Department of Public Works
Bureau of Engineering, Environmental Management Group
1149 South Broadway, Suite 600
Los Angeles, CA 90015-2213

Subject: **Notice of Preparation of a Draft Environmental Impact Report for the
Echo Park Lake Rehabilitation Project**

The City of Los Angeles (City) Department of Public Works, Bureau of Engineering (BOE) is the Lead Agency under the California Environmental Quality Act (CEQA) and will prepare an Environmental Impact Report (EIR) for the proposed project. The State of California has identified Echo Park Lake (Lake) as an impaired water body with the following types of water quality issues: algae, ammonia, eutrophic conditions, copper, lead, odor, polychlorinated biphenyls (PCBs), trash, and pH. As a result, the City is proposing to implement in-lake improvements; vegetation, habitat and park improvements; and parkland structural best management practices at the Lake. The proposed project would be consistent with the Regional Water Quality Control Board's intent to restore the existing and potential beneficial water quality uses in the Lake.

The City requests your agency's views on the scope and content of the environmental information relevant to your agency's statutory responsibilities in connection with the proposed project, in accordance with California Code of Regulations, Title 14, Section 15082(b). Your agency may need to use the EIR when considering any permit or other approval that your agency must issue for the proposed project. In addition, the City requests comments from other interested parties, stakeholders, and the general public on the scope of the environmental issues related to the proposed project.

The project site is located at 751 Echo Park Avenue within the Echo Park/Silver Lake community of the City of Los Angeles and is bound by Park Avenue on the north, Echo Park Avenue on the east, Bellevue Avenue on the south, and Glendale Boulevard on the west. The project site is also located within the Los Angeles River Watershed. US Highway 101 (US 101, Hollywood Freeway) travels in an east-west direction in this area of Los Angeles, and is located approximately 0.05 mile (250 feet) south of the project site. State Route 110 (SR 110, Pasadena Freeway) travels in a north-south direction and is located approximately 0.8 mile east of the project site. Figure 1 and Figure 2 attached show the regional location and the project location, respectively.

As a covered entity under Title II of the Americans with Disabilities Act, the City of Los Angeles does not discriminate on the basis of disability and, upon request, will provide reasonable accommodation to ensure equal access to its programs, services, and activities. Sign language interpreters, assistive listening devices, or other auxiliary aids and/or services may be provided upon request.

AN EQUAL EMPLOYMENT OPPORTUNITY EMPLOYER

Recyclable and made from recycled waste.



The project site includes a 24-acre portion of Echo Park Lake (Park), an open-space recreational facility. The Lake occupies 13 acres and is surrounded by 11 acres of open recreational space. A 2-acre portion of the Park is located on the south side of Bellevue Avenue and a 5-acre portion of the Park is located further south on the south side of US 101. These 7 acres are not part of the project site. In 2006, the City designated the Park as Historic-Cultural Monument (HCM) No. 836. Features contributing to this designation were the Spanish Colonial Revival-style architecture in the Park, English-style landscaping, and defining characteristics including the Lake itself, the footbridge, perimeter paths, boathouse, recreation building, lotus beds and the Park's unusual trees.

Figure 3 attached illustrates an overview of the proposed project site plan. The proposed project would include the following improvements at the Lake:

- Install a new Lake liner
- Construct wetland areas within the Lake to help achieve water quality objectives in the Lake
- Construct a new Lake outlet
- Construct a partition berm in the Lake to comply with California Division of Safety of Dams (DSOD) requirements
- Construct a recirculation pump and piping system to circulate the Lake water
- Modify existing storm drains inletting to the Lake to divert low flow urban runoff into the Lake.
- Place aquatic emergent plants at various points along the Lake edge
- Various improvements to the Lake's edge and areas adjacent to the Lake's edge
- Replace a majority of the existing asphalt pathway around the Lake perimeter with pervious materials
- Construct hydrodynamic separators in the existing storm drain systems to remove trash and debris
- Construct rain gardens and grassy swales around the Lake
- Upgrade the irrigation system to improve efficiency

An analysis of potential environmental effects is provided in the Initial Study Checklist prepared for the proposed project. Potential impacts associated with the proposed project may include:

- Aesthetics
- Air Quality
- Biological Resources
- Cultural Resources
- Hazards and Hazardous Materials
- Hydrology and Water Quality
- Noise
- Recreation
- Transportation/Traffic

The Initial Study Checklist is available for review at the following locations:

- Echo Park Branch Library, 1410 West Temple Street, Tel: (213) 250-7808
- Edendale Branch Library, 2011 West Sunset Boulevard, Tel: (213) 207-3000
- Office of Council President Eric Garcetti, Council District 13, Hollywood District Office, 5500 Hollywood Boulevard, Tel: (323) 957-4500
- Office of Council President Eric Garcetti, Council District 13, Glassell Park Office, 3750 Verdugo Road, Tel: (323) 478-1296

A copy of the Initial Study Checklist may also be obtained by contacting Ms. Maria Martin of the Bureau of Engineering at (213) 485-5753 and can also be accessed online at: http://eng.lacity.org/techdocs/emg/Environmental_Review_Documents.htm

A scoping meeting will be held to obtain input on the scope of the contents of the EIR, as well as to present information on the proposed project design. This meeting will be held at the following date, time and location:

Wednesday, September 23, 2009

6:30 p.m.

Logan Street Elementary School - Auditorium
1711 Montana Street
Los Angeles, CA 90026

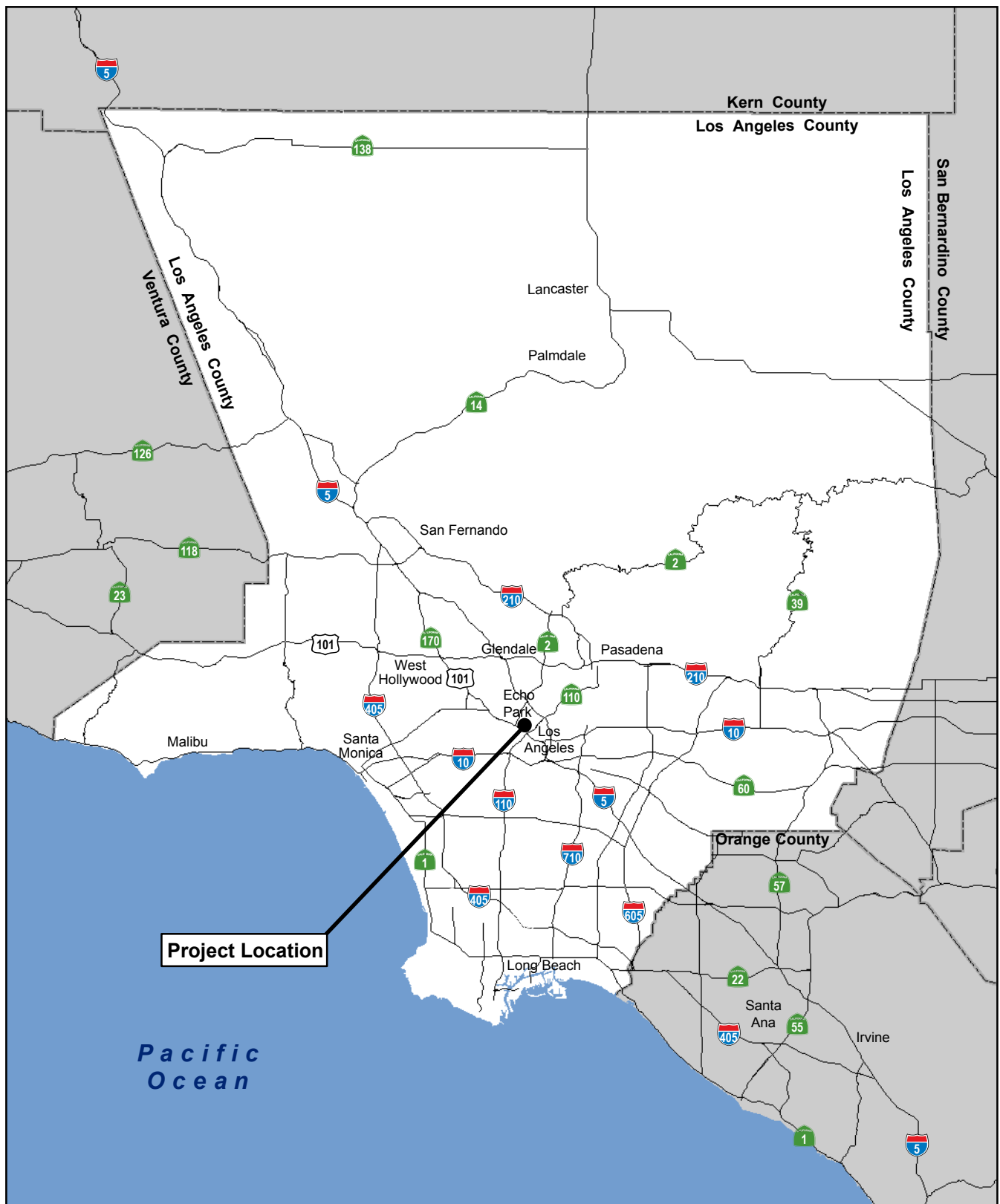
Si usted necesitará un traductor para esta reunión, comuníquese con Olga Morales al (213) 485-5933 antes de las 5:00 p.m. el 18 de septiembre.

Comments will be accepted from September 10, 2009 through October 9, 2009. Please send your comments by mail to:

Ms. Maria Martin, Environmental Supervisor
City of Los Angeles Department of Public Works
Bureau of Engineering, EMG
1149 S. Broadway, Suite 600, Mail Stop 939
Los Angeles, CA 90015-2213

Comments may also be submitted by e-mail to Maria.Martin@lacity.org (please include "Echo Park Comments" in the subject line) or by fax to (213) 847-0656.

Si usted necesita más información en español acerca de este Aviso de Preparación, llame a Olga Morales al (213) 485-5933.



Source: California Geospatial Information Library (2003-5)

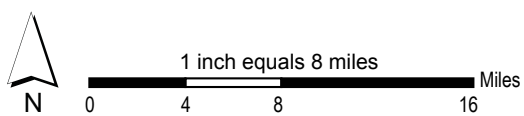
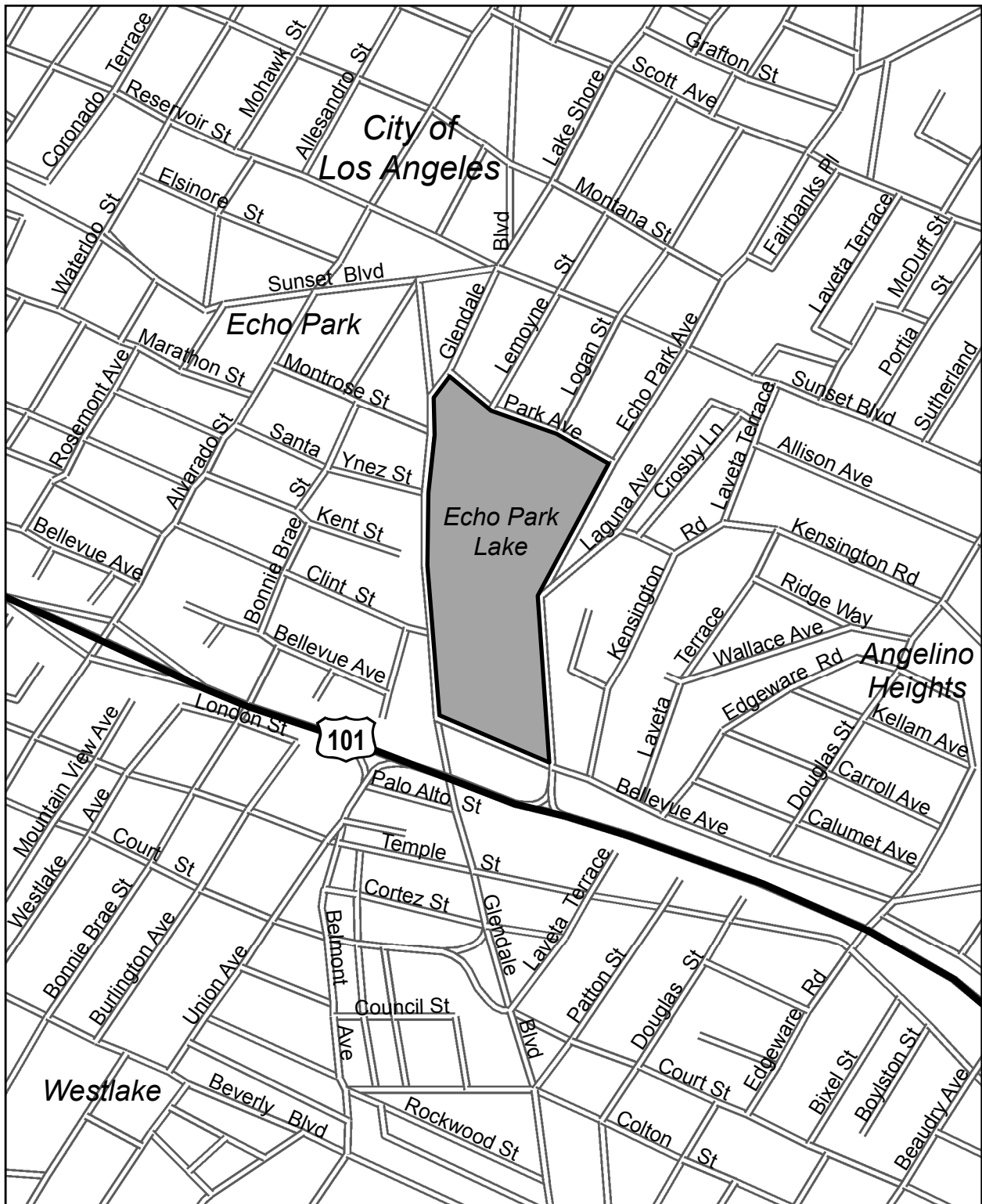


Figure 1
Regional Location Map



Source: ESRI Data & Maps 2005



Project Site



1 inch equals 900 feet
0 500 1,000 2,000 feet

Figure 2
Project Location



Source: EDAW AECOM August 2009

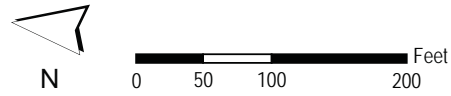


Figure 3
Proposed Project



CITY OF LOS ANGELES
CALIFORNIA ENVIRONMENTAL QUALITY ACT
INITIAL STUDY

Council District: 13 Date: September 10, 2009
Lead City Agency: Department of Public Works, Bureau of Engineering
Project Title: Echo Park Lake Rehabilitation Project

I. INTRODUCTION

A. Purpose of an Initial Study

The California Environmental Quality Act (CEQA) was enacted in 1970 for the purpose of providing decision-makers and the public with information regarding environmental effects of proposed projects; identifying means of avoiding environmental damage; and disclosing to the public the reasons behind a project's approval even if it leads to significant environmental impacts. The Bureau of Engineering Environmental Management Group (EMG) has determined that the proposed project is subject to CEQA and that no exemptions apply. Therefore, the preparation of an Initial Study is required.

An Initial Study is a preliminary analysis conducted by the lead agency, in consultation with other agencies (responsible or trustee agencies, as applicable), to determine whether there is substantial evidence that a project may have a significant effect on the environment. If the Initial Study concludes that the project, with mitigation, may have a significant effect on the environment, an Environmental Impact Report (EIR) should be prepared; otherwise the lead agency may adopt a Negative Declaration (ND) or Mitigated Negative Declaration (MND).

The Initial Study contained herein has been prepared in accordance with CEQA (Public Resources Code §21000 et seq.), the State CEQA Guidelines (Title 14, California Code of Regulations, §15000 et seq.), and the City of Los Angeles CEQA Guidelines (1981, amended July 31, 2002). The City of Los Angeles Department of Public Works, Bureau of Engineering is the lead agency under CEQA.

B. Document Format

This Initial Study is organized into seven sections as follows:

Section I, Introduction: provides an overview of the project and the CEQA environmental documentation process.

Section II, Project Description: provides a description of the project location, project background, and project components.

Section III, Existing Environment: provides a description of the existing environmental setting with focus on features of the environment which could potentially affect the proposed project or be affected by the proposed project.

Section IV, Environmental Effects/Initial Study Checklist: presents the City's Checklist for all impact areas and mandatory findings of significance.

INITIAL STUDY PUBLIC WORKS – BUREAU OF ENGINEERING

Section V, Preparation and Consultation: provides a list of key personnel involved in the preparation of this report and key personnel consulted.

Section VI, Determination – Recommended Environmental Documentation: provides the recommended environmental documentation for the proposed project; and,

Section VII, References: provides a list of reference materials used during the preparation of this report.

C. CEQA Process

To begin the CEQA process, the lead agency identifies a proposed project. The lead agency then prepares an Initial Study to identify the preliminary environmental impacts of the proposed project. If the Initial Study determines that a proposed project would have significant environmental impacts that would require further study and/or the implementation of mitigation measures, the lead agency may decide to prepare either an MND or EIR. If it is foreseen that no feasible mitigation measures may exist to reduce certain significant impacts identified in the Initial Study, the lead agency must prepare an EIR. A Notice of Preparation is prepared to notify public agencies and the general public that the lead agency is starting the preparation of an EIR for the proposed project. The Notice of Preparation and Initial Study are circulated for a 30-day review and comment period. During this review period, the lead agency requests comments from agencies, interested parties, stakeholders, and the general public on the scope of the environmental issues presented in the Initial Study and to be evaluated in the EIR.

After the close of the 30-day review and comment period, the lead agency continues the preparation of the Draft EIR and associated technical studies (if any). Once the Draft EIR is complete, a Notice of Availability is prepared to inform the public agencies and the general public of the document and the locations where the document can be reviewed. The Draft EIR and Notice of Availability are circulated for a 45-day review and comment period. The purpose of this review and comment period is to provide public agencies and the general public an opportunity to review the Draft EIR and comment on the adequacy of the analysis and the findings of the lead agency regarding potential environmental impacts of the proposed project. After the close of the 45-day review and comment period, responses to all comments received on the Draft EIR are prepared. The lead agency prepares a Final EIR, which incorporates the Draft EIR or a revision to the Draft EIR, Draft EIR comments and list of commentors, and response to comments discussion. In addition, the lead agency must prepare the findings of fact for each significant effect identified, a statement of overriding considerations if there are significant impacts that cannot be mitigated, and a mitigation monitoring and reporting program to ensure that all proposed mitigation measures are implemented.

The Board of Public Works considers the Final EIR, together with any comments received during the public review process, and makes a recommendation to the City Council on whether or not to certify the Final EIR and approve the project. One or more Council committees may then review the proposal and documents and make its own recommendation to the full City Council. The City Council is the decision-making body and also considers the Final EIR, together with any comments received during the review and comment process, in the final decision to certify the Final EIR and approve or disapprove the project. During the project approval process, persons and/or agencies may address either the Board of Public Works, Council committees and City Council regarding the project. Public notification of agenda items for the Board of Public Works, Council committees and City Council is posted 72 hours prior to the public meeting. The Council agenda can be obtained by visiting the Council and Public Services Division of the Office of the City Clerk at City Hall, 200 North Spring Street, Suite 395; by calling 213/978-1047, 213/978-1048 or 213/978-1055 (hearing impaired); or via the internet at <http://www.lacity.org/CLK/index.htm>.

If the project is approved, the City would file a Notice of Determination with the Los Angeles County Clerk within 5 days. The Notice of Determination would be posted by the Los Angeles County Clerk within 24 hours of receipt. This begins a 30-day statute of limitations on legal challenges to the approval under CEQA.

INITIAL STUDY

PUBLIC WORKS – BUREAU OF ENGINEERING

As a covered entity under Title II of the Americans with Disabilities Act, the City of Los Angeles does not discriminate on the basis of disability and, upon request, would provide reasonable accommodation to ensure equal access to its programs, services, and activities.

II. PROJECT DESCRIPTION

A. Location

The project site is located at 751 Echo Park Avenue within the Echo Park/Silver Lake community of the City of Los Angeles and is bound by Park Avenue on the north, Echo Park Avenue on the east, Bellevue Avenue on the south, and Glendale Boulevard on the west. The project site is also located within the Los Angeles River Watershed. US Highway 101 (US 101, Hollywood Freeway) travels in an east-west direction in this area of Los Angeles, and is located approximately 0.05 mile (250 feet) south of the project site. State Route 110 (SR 110, Pasadena Freeway) travels in a north-south direction and is located approximately 0.8 mile east of the project site. The project site includes a 24-acre portion of Echo Park Lake (Park), an open-space recreational facility. The Lake occupies 13 acres and is surrounded by 11 acres of open recreational space. A 2-acre portion of the Park is located on the south side of Bellevue Avenue and a 5-acre portion of the Park is located further south on the south side of US 101. These 7 acres are not part of the project site. Figure 1 and Figure 2 show the regional location and the project site location, respectively.

B. Background

The City of Los Angeles is implementing a Clean Water Bond Program approved by voters in November 2004 as Proposition O (Prop O). Prop O authorized the City to issue a series of general obligation bonds for up to \$500 million for projects to protect public health by cleaning up pollution in the City's watercourses, beaches, and ocean. The measure also funds improvements to protect water quality, provide flood protection, and increase water conservation, habitat protection, and open space.

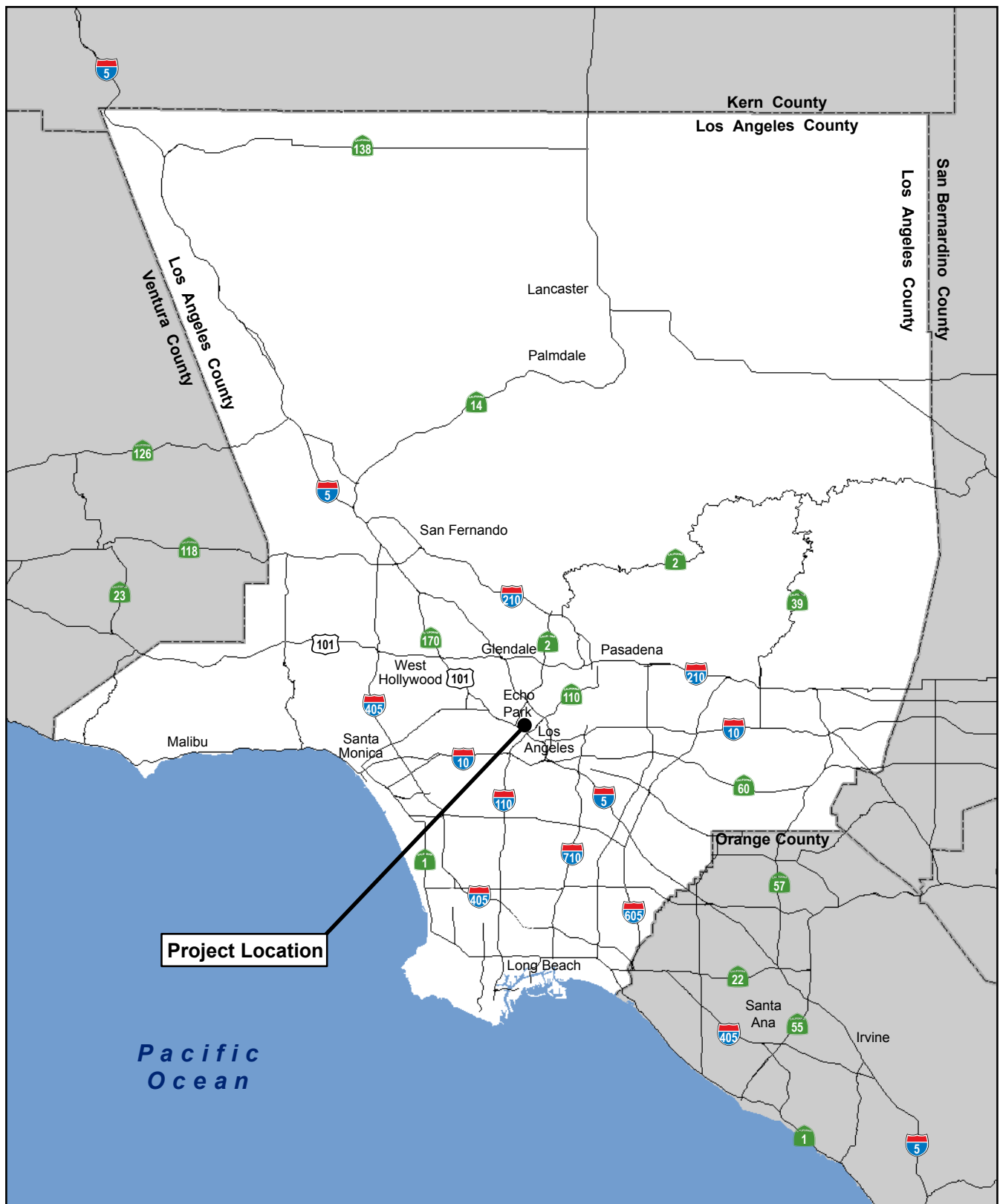
A component of the Prop O Program is the Echo Park Lake Rehabilitation Project (proposed project). A Pre-Design Report was prepared to identify and describe the proposed project, describe the extensive investigations undertaken at the project site, discuss preliminary budget and schedule information, and present recommendations for proposed project implementation. The project description and analysis presented in this Initial Study is based on the information presented in the Pre-Design Report.

In 2006, the City designated the Park as Historic-Cultural Monument (HCM) No. 836. Features contributing to this designation were the Spanish Colonial Revival-style architecture in the Park, English-style landscaping, and defining characteristics including the Lake itself, the footbridge, perimeter paths, boathouse, recreation building, lotus beds, and the Park's unusual trees.

C. Project Objectives

The main objectives of the proposed project are to:

- Improve the water quality in the Lake and contribute to water quality improvement in the Los Angeles River Watershed.
- Reduce the use of municipal water required to maintain the water level of the Lake.
- Comply with the Regional Water Quality Control Board's intent to restore the existing and potential beneficial water quality uses in the Lake. The existing beneficial uses include non-contact water recreation (REC-2) and wildlife habitat (WILD). The potential beneficial uses include municipal and domestic water supply (MUN), warm freshwater habitat (WARM), and wetland habitat (WET).
- Assist the City in meeting the current and future total maximum daily load (TMDL) requirements.
- Implement multi-purpose solutions at the Lake, consistent with the Prop O objectives of water supply, water quality, flood reduction, storm water use, and recreation.



Source: California Geospatial Information Library (2003-5)

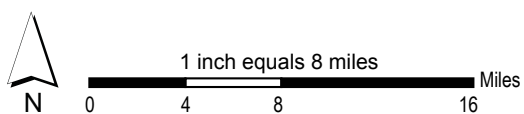
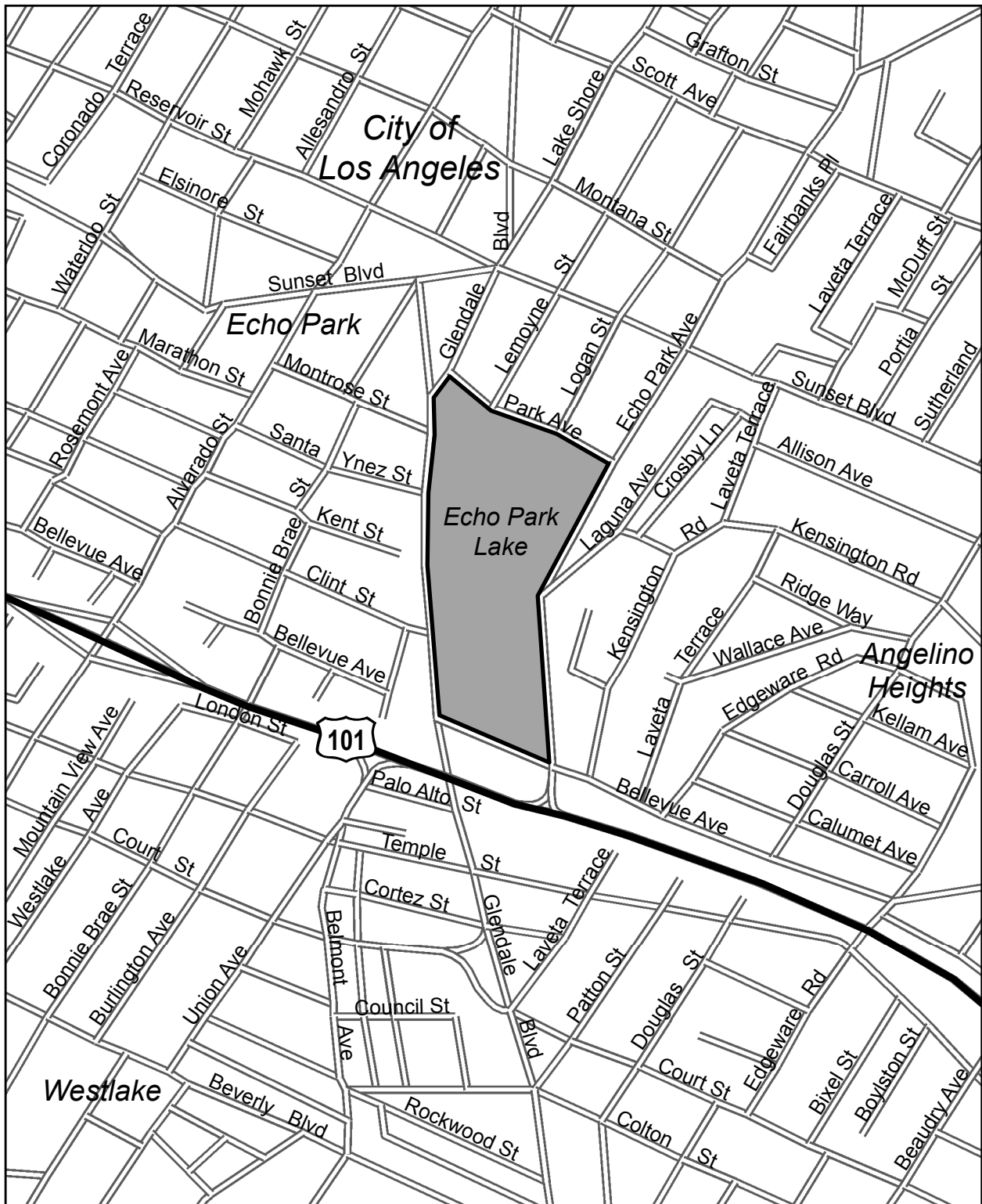


Figure 1
Regional Location Map



Source: ESRI Data & Maps 2005



Project Site



1 inch equals 900 feet
0 500 1,000 2,000 feet

Figure 2
Project Location

D. Project Description

Project Overview and Background

Echo Park Lake (Park) has been a part of the City's history for more than 150 years. Historical records indicate that Echo Park Lake (Lake) was originally built as a water supply reservoir in the 1860s. Over time, the use of the Lake was transformed to that of a detention basin in the storm drainage system, providing hydraulic relief during storm events. The State of California has identified the Lake as an impaired water body with the following types of water quality issues: algae, ammonia, eutrophic conditions, copper, lead, odor, polychlorinated biphenyls (PCBs), trash, and pH. As a result, the City is proposing to implement in-lake improvements; vegetation, habitat and park improvements; and parkland structural best management practices at the Lake. The proposed project would be consistent with the Regional Water Quality Control Board's intent to restore the existing and potential beneficial water quality uses in the Lake.

Project Elements

An overview of the proposed project is shown in Figure 3. The proposed project includes the following key components:

- Install a new Lake liner
- Construct wetland areas within the Lake to help achieve water quality objectives in the Lake
- Construct a new Lake outlet
- Construct a partition berm in the Lake to comply with California Division of Safety of Dams (DSOD) requirements
- Construct a recirculation pump and piping system to circulate the Lake water
- Modify existing storm drains inletting to the Lake to divert low flow urban runoff into the Lake
- Place aquatic emergent plants at various points along the Lake edge
- Various improvements to the Lake's edge and areas adjacent to the Lake's edge
- Replace a majority of the existing asphalt pathway around the Lake perimeter with pervious materials
- Construct hydrodynamic separators in the existing storm drain systems to remove trash and debris
- Construct rain gardens and grassy swales around the Lake
- Upgrade the irrigation system to improve efficiency

Preliminary Construction Schedule and Scenario

The estimated duration of the construction of the proposed project is January 2011 through February 2013. It is anticipated that the Park would be closed to the public during the construction phase due to the construction activities.

The activities would include draining the Lake to remove the sediment accumulated within the Lake. The removed sediment would require drying, handling and hauling from the project site. The Lake bed would be lined, requiring an area for stockpiling materials. It is anticipated that the majority of staging and storage for the Lake bed improvements would occur within the Lake bed itself. It is anticipated that the Lake bed improvements would occur concurrently along with the improvements to the adjacent Park. This would ultimately depend on the amount of available staging space within or near the Park.

Construction staging and laydown areas may be located adjacent to the north end of the Lake, which is a relatively flat area that currently includes City of Los Angeles Department of Recreation and Parks maintenance yard and is accessible to Park Avenue. Another potential staging and laydown area exists within the maintenance yard parking lot of the Park in addition to potential off-site locations to be determined prior to construction. Temporary site offices during the construction phase may be located on-site.



Source: EDAW AECOM August 2009

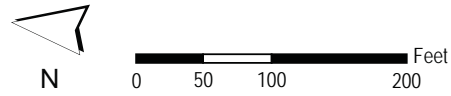


Figure 3
Proposed Project

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Operation and Maintenance

The Department of Recreation and Parks (RAP) operates and maintains the Park. However, it is currently anticipated that the proposed project would be jointly maintained by RAP and the Department of Public Works Bureau of Sanitation (BOS).

Project Actions and Approvals

The proposed project and environmental documentation, including this Initial Study, would require approval by the following City of Los Angeles decision-making bodies: Board of Public Works and the City Council. Additional anticipated approvals or permits for the proposed project include, but are not limited to the following:

- United States Army Corps of Engineers (USACE) Preliminary Jurisdictional (JD) Form and Nationwide Permit
- Los Angeles Regional Water Quality Control Board (RWQCB) permits including Section 401 Water Quality Certification Permit and Waste Discharge Requirement
- California Department of Fish and Game (CDFG) permits including CDFG Code Section 1600 Lake or Streambed Alteration Permit
- California Division of Safety of Dams (DSOD) approvals
- City of Los Angeles Department of Recreation and Parks, project and design review
- City of Los Angeles permits for disposal of materials and haul routes
- City of Los Angeles Cultural Affairs Commission approval

The analysis in this document assumes that, unless otherwise stated, the project would be designed, constructed and operated following all applicable laws, regulations, ordinances and formally adopted City standards (e.g., *Los Angeles Municipal Code* and Bureau of Engineering *Standard Plans*). Construction will follow the uniform practices established by the Southern California Chapter of the American Public Works Association (e.g., *Standard Specifications for Public Works Construction* and the *Work Area Traffic Control Handbook*) as specifically adapted by the City of Los Angeles (e.g., The City of Los Angeles Department of Public Works Additions and Amendments to the Standard Specifications For Public Works Construction [also known as "The Brown Book," formerly Standard Plan S-610]).

III. EXISTING ENVIRONMENT

The project site includes a 24-acre portion of Echo Park Lake (Park), an open-space recreational facility 0.8 mile northwest of Downtown Los Angeles. The Lake occupies 13 acres and is surrounded by 11 acres of open recreational space. A 2-acre portion of the Park is located on the south side of Bellevue Avenue and a 5-acre portion of the Park is located further south on the south side of US 101. These 7 acres are not part of the project site. Key features and activities in the Park include a footbridge, boathouse, the lotus bed, man-made island, paddle boating, catch-and-release fishing, a fountain, model boating, jogging, and strolls around the perimeter pathways. The Park contains numerous palm trees, other trees, shrubs and open grassy areas. The Park is operated and maintained by the City of Los Angeles Department of Recreation and Parks (RAP).

The project site is located within the Silver Lake-Echo Park-Elysian Valley Community Plan Area in the central area of the City of Los Angeles. The City of Los Angeles General Plan designates the project site as an open space land use.¹ The project site is zoned Open Space (OS-1XL), which allows for the development of parks, recreational facilities, natural resource preserves for the managed production of resources, marine and ecological preserves, public water supply reservoirs, water conservation areas and sanitary landfill sites that have received certificates of closure in compliance with federal and state regulations.² The project site is located within Height District No. 1, which is designated as being a Very Limited (VL) Height District. Height District 1-VL allows for the development of structures that are three stories or 45 feet in height.

The project site is located within the recently adopted Echo Park Community Design Overlay District. The district is bounded by Sunset Boulevard on the north, Bonnie Brae Street on the west, Echo Park Avenue on the east, and US 101 on the south. The purpose of this district is to preserve the original development pattern, neighborhood character and architectural resources in the Echo Park community.

The project site is surrounded by commercial, public facility and multi-family residential uses. Sunset Boulevard is located approximately 0.1 mile north of the project site. Additional recreational facilities associated with the Park, including a playground, swimming pool, and childcare center, are located south of the project site, on the south side of Bellevue Avenue. The US 101 is located directly south of these recreational uses. One- to four-story multi-family residential buildings are located west of the project site, on the west side of Glendale Boulevard. One- to two-story multi-family residential buildings and a large two- to five-story church are located north of the project site, on the north side of Park Avenue. The church includes Angelus Temple, which is a designated National Historic Landmark (No. 92001875).³ One- to four-story multi-family residential buildings and a large two- to four-story church are located east of the project site, on the east side of Echo Park Avenue.

Glendale Boulevard, which is aligned north-south adjacent to the west side of the project site, is designated by the City as a Major Highway-Class II.⁴

As previously mentioned, the project site is located within the Los Angeles River Watershed. This watershed is approximately 834 square miles in area and extends from the eastern portions of Santa Monica Mountains, and Simi Hills, and Santa Susana Mountains to the San Gabriel Mountains in the west. The Los Angeles River Watershed encompasses and is shaped by the path of the Los Angeles River, which flows from its headwaters in the mountains eastward to the northern corner of Griffith Park where

¹ Source: City of Los Angeles, Zone Information and Map Access System (ZIMAS) at <http://zimas.lacity.org/>

² Source: City of Los Angeles, Zone Information and Map Access System (ZIMAS) at <http://zimas.lacity.org/> and City of Los Angeles Municipal Code, Chapter I (Planning and Zoning Code) at

http://www.amlegal.com/nxt/gateway.dll?f=templates&fn=default.htm&vid=amlegal:lapz_ca

³ Source: National Park Service, National Historic Landmark Program – Angelus Temple at <http://tps.cr.nps.gov/nhl/detail.cfm?ResourceId=2136&ResourceType=Building>

⁴ Source: City of Los Angeles Transportation Element, Highways and Freeways, Metro Subarea, Map A5

INITIAL STUDY
PUBLIC WORKS – BUREAU OF ENGINEERING

the channel turns southward through the Glendale Narrows before it flows across the coastal plain toward Long Beach.⁵

According to the Federal Emergency Management Agency (FEMA), the Lake is designated as a Special Flood Hazard Area which is subject to inundation by a 100-year flood (one percent annual chance flood). The 100-year flood is a flood that has a one percent chance of being equaled or exceeded in any given year. The Park and other areas surrounding the Lake are not designated as being within this flood zone.⁶

⁵ Source: City of Los Angeles, Department of Public Works, Watershed Management – Los Angeles River Watershed at <http://ladpw.org/wmd/watershed/LA/>

⁶ Source: FEMA, Flood Insurance Rate Map No. 06037C1610F, September 26, 2008 at <http://msc.fema.gov/webapp/wcs/stores/servlet/FemaWelcomeView?storeId=10001&catalogId=10001&langId=-1>

IV. ENVIRONMENTAL EFFECTS/INITIAL STUDY CHECKLIST

This section documents the screening process used to identify and focus upon environmental impacts that could result from the proposed project. The Initial Study Checklist below follows closely the form prepared by the Governor's Office of Planning and Research and was used in conjunction with the City's *CEQA Thresholds Guide* and other sources to screen and focus upon potential environmental impacts resulting from this project. In addition, the amendments proposed in April 2009 to the CEQA Guidelines, as they apply to the Initial Study Checklist, have been inserted into this document. Impacts are separated into the following categories:

- No Impact. This category applies when a project would not create an impact in the specific environmental issue area. A "No Impact" finding does not require an explanation when the finding is adequately supported by the cited information sources (e.g., exposure to a tsunami is clearly not a risk for projects not near the coast). A finding of "No Impact" is explained where the finding is based on project-specific factors, as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).
- Less Than Significant Impact. This category is identified when the project would result in impacts below the threshold of significance, and would therefore be less than significant impacts.
- Potentially Significant Unless Mitigation Incorporated. This category is identified when the project would have a substantial adverse impact on the environment but could be reduced to a less than significant level with incorporation of mitigation measure(s).
- Potentially Significant Impact. This category is applicable if there is substantial evidence that a significant adverse effect might occur, and no feasible mitigation measures are foreseen to reduce impacts to a less than significant level. If there are one or more "Potentially Significant Impact" entries when the determination is made, an EIR is required.

Sources of information that adequately support these findings are referenced following each question. All sources so referenced are available for review at the offices of the Bureau of Engineering, 1149 South Broadway, Suite 600, Los Angeles, California 90015. Please call Maria Martin at (213) 485-5753 for an appointment.

Issues	Potentially Significant Impact	Potentially Signif. Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
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1. AESTHETICS – Would the project:

- a) Have a substantial adverse effect on a scenic vista? ☐ ☐ ☒ ☐

Reference: *L.A. CEQA Thresholds Guide* (Sections A.1 and A.2), and *Silver Lake-Echo Park-Elysian Valley Community Plan*

Comment: A scenic vista generally provides focal views of objects, settings, or features of visual interest; or panoramic views of large geographic areas of scenic quality, primarily from a given vantage point. A significant impact may occur if the proposed project introduced incompatible visual elements within a field of view containing a scenic vista or substantially altered a view of a scenic vista.

The Park is located within a dense urban setting approximately 0.1 mile south of the Sunset Boulevard commercial corridor. No scenic views of the Santa Monica Mountains or other topographic features are currently available in the project area due to the existing development along Sunset Boulevard. Views of the historic Angelus Temple located directly north of the project site are available from the project site. Views of the Downtown Los Angeles skyline are available from the project site viewing south and southeast. However, the proposed project would consist of the rehabilitation of the Lake and would not construct any structures that would substantially impact views of Angelus Temple. Therefore, the proposed project would result in less than significant impacts related to scenic vistas. No further analysis of this issue is required.

- b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway? ☐ ☐ ☐ ☒

Reference: California Scenic Highway Mapping System, *L.A. CEQA Thresholds Guide* (Sections A.1 and A.2) and *Silver Lake-Echo Park-Elysian Valley Community Plan*

Comment: A significant impact may occur where scenic resources within a state scenic highway would be damaged or removed as a result of the proposed project.

The nearest designated state scenic highway to the project site is Route 2, which is located approximately ten miles north of the project site. No scenic state highways are located within the project site or vicinity. In addition, the proposed project would not damage or remove any scenic resources or scenic resources located on a state scenic highway. Therefore, the proposed project would result in no impact related to scenic resources. No further analysis of this issue is required.

- c) Substantially degrade the existing visual character or quality of the site and its surroundings? ☐ ☒ ☐ ☐

Reference: *L.A. CEQA Thresholds Guide* (Sections A.1 and A.2)

Comment: A significant impact may occur if the proposed project introduced incompatible visual elements to the project site or visual elements that would be incompatible with the character of the area surrounding the project site.

The proposed project would consist of the rehabilitation of the project site and would not introduce new land uses or structures to the project site. The proposed project would not introduce visual elements to the project site that would be incompatible with the character of the project area. However, because the project site is a City-designated HCM and changes to

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some character-defining features are proposed that may alter the visual character of the project site, this issue will require further analysis.

- d) Create a new source of substantial light or glare that would adversely affect day or nighttime views in the area?

☐ ☐ ☒ ☐

Reference: *L.A. CEQA Thresholds Guide* (Section A.4)

Comment: A significant impact would occur if the proposed project caused a substantial increase in ambient illumination levels beyond the property line or caused new lighting to spill-over onto light-sensitive land uses such as residential, some commercial and institutional uses that require minimum illumination for proper function, and natural areas.

The proposed project may replace several of the existing light poles and fixtures located along the Lake edge. However, these new sources of light would have similar lighting levels as the existing lighting and would not be a source of glare. In addition, the new lighting would be operated in compliance with applicable Municipal Code lighting requirements and would not be located directly adjacent to any light-sensitive land uses. Construction lighting may potentially be used as necessary on a temporary basis and would be governed by Municipal Code and Standard Specifications designed to minimize impacts (e.g. it would be shielded and directed toward the construction, away from residences). Therefore, the proposed project would result in less than significant impacts related to light and glare. No further analysis of this issue is required.

2. AGRICULTURE AND FOREST RESOURCES – Would the project:

- a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?

☐ ☐ ☐ ☒

Reference: California Department of Conservation - Division of Land Resource Protection, *City of Los Angeles General Plan Conservation Element*, Zone Information & Map Access System (ZIMAS)

Comment: A significant impact may occur if the proposed project were to result in the conversion of state-designated agricultural land from agricultural use to a non-agricultural use.

No prime or unique farmland, or farmland of statewide importance, exists within the City of Los Angeles. The project site is not located on or near any property zoned or otherwise intended for agricultural uses. Therefore, the proposed project would result in no impacts related to the conversion of agricultural lands. No further analysis of this issue is required.

- b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?

☐ ☐ ☐ ☒

Reference: California Department of Conservation - Division of Land Resource Protection, *City of Los Angeles General Plan Conservation Element*, Zone Information & Map Access System (ZIMAS)

Comment: A significant impact may occur if the proposed project were to result in the conversion of land zoned for agricultural use, or indicated under a Williamson Act contract, from agricultural use to a non-agricultural use.

No land on or near the project site is zoned for or contains agricultural uses. The City of Los Angeles does not participate in the Williamson Act. Therefore, there are no Williamson Act

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properties in the City of Los Angeles. The proposed project would result in no impacts related to the conversion of agricultural lands. No further analysis of this issue is required.

- c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)) or timberland (as defined by Public Resources Code section 4526)? ☐ ☐ ☐ ☒

Reference: California Department of Conservation - Division of Land Resource Protection, *City of Los Angeles General Plan Conservation Element*, Zone Information & Map Access System (ZIMAS)

Comment: A significant impact may occur if a project results in a conflict with existing zoning, or causes rezoning of forest land or timberland.

No land on or near the project site is zoned for or contains forest or timberland uses. Therefore, the proposed project would result in no impacts related to conflicts with forest land or timberland zoning. No further analysis of this issue is required.

- d) Result in the loss of forest land or conversion of forest land to non-forest use? ☐ ☐ ☐ ☒

Reference: California Department of Conservation - Division of Land Resource Protection, *City of Los Angeles General Plan Conservation Element*, Zone Information & Map Access System (ZIMAS)

Comment: A significant impact may occur if a project results in the conversion of forest land to another non-forest land use.

No land on or near the project site contains or is zoned for forest land uses. As such, the proposed project would not convert forest land to a non-forest land use. The proposed project would result in no impacts related to the conversion of forest land. No further analysis of this issue is required.

- e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of farmland, to non-agricultural use or conversion of forest land to non-forest use? ☐ ☐ ☐ ☒

Reference: California Department of Conservation - Division of Land Resource Protection, *City of Los Angeles General Plan Conservation Element*, Zone Information & Map Access System (ZIMAS)

Comment: A significant impact may occur if a project results in the conversion of farmland to another non-agricultural use or forest land to a non-forest land use.

See Comments for 2 (a) and 2 (d) above. As described, no impacts to farm land or forest uses would occur.

3. AIR QUALITY – Would the project:

- a) Conflict with or obstruct implementation of the applicable air quality plan? ☒ ☐ ☐ ☐

Reference: *L.A. CEQA Thresholds Guide* (Sections B1 and B2); *City of Los Angeles General Plan Air Quality Element*; *Silver Lake-Echo Park-Elysian Valley Community Plan*; and *Air Quality Management Plan*

Comment: The project site is located within the South Coast Air Basin which is under the jurisdiction of the South Coast Air Quality Management District (SCAQMD). The SCAQMD is

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the air pollution control district responsible for the Air Quality Management Plan (AQMP), which is a comprehensive air pollution control program for attaining state and federal ambient air quality standards. As part of its General Plan, the City adopted an Air Quality Element that contains policies and goals for attaining state and federal air quality standards, while simultaneously facilitating local economic growth and includes implementation strategies for local programs contained in the AQMP. A significant impact would occur if the project were not consistent with the AQMP or the City's General Plan.

The *Silver Lake-Echo Park-Elysian Valley Community Plan* recognizes the need to ensure the availability of adequate public facilities. The proposed project would serve existing and intended land uses and would not include regional employment or population growth. The main objectives of the proposed project are to meet regulatory requirements and improve water quality. Existing uses on and surrounding the project site would not be changed. However, the proposed project may potentially result in a violation of air quality standards during the construction phase due to the number of construction truck trips, as discussed in item 3(b) below. Therefore, the proposed project may result in potentially significant impacts related to conflicts with air quality plans. This issue will require further analysis.

- b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation? ☒ ☐ ☐ ☐

Reference: *L.A. CEQA Thresholds Guide* (Sections B1 and B2) and SCAQMD Thresholds

Comment: A significant impact may occur if the proposed project violated any SCAQMD air quality standard. The SCAQMD has set thresholds of significance for reactive organic gases (ROG), nitrogen oxides (NO_x), carbon monoxide (CO), sulfur dioxide (SO₂), and particulate matter (PM₁₀) emissions resulting from construction and operation in the South Coast Air Basin.

The construction of the proposed project would involve the removal of sediment and other materials from the Lake bed. It is anticipated that approximately 50,000 cubic yards of sediment would be exported from the project site. As a result, a large number of heavy-duty truck trips would be required to properly remove the sediment from the project site, resulting in an increase in diesel emissions. The daily construction emissions of the proposed project may potentially exceed SCAQMD significance thresholds. The proposed project would not alter the operations of the Park and would not result in an increase in traffic trips during the operational phase. As such, no change in emissions is anticipated as a result of operation and maintenance.

Contractors would be required to follow all applicable SCAQMD rules and regulations, including AQMD Rule 403 (Fugitive Dust) and 431 (Diesel Equipment), to minimize air quality impacts. Contractors, for example, would water dusty areas and minimize the tracking of soil from unpaved dirt areas to paved roads.

Due to the large number of heavy-duty truck trips anticipated to be required during the construction phase of the proposed project, impacts related to the potential violation of an air quality standard may be potentially significant. This issue will require further analysis.

- c) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is in non-attainment under an applicable federal or state ambient air quality standard (including releasing ☒ ☐ ☐ ☐

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emissions that exceed quantitative thresholds for ozone precursors)?

Reference: *L.A. CEQA Thresholds Guide* (Sections B1 and B2), 2006 State Area Designation Maps from <http://www.arb.ca.gov/desig/adm/adm.htm#state>

Comment: A significant impact would occur if the proposed project resulted in a cumulatively considerable net increase of a criteria pollutant for which the South Coast Air Basin exceeds federal and state ambient air quality standards and has been designated as an area of non-attainment by the U.S. Environmental Protection Agency (USEPA) and/or California Air Resources Board. The South Coast Air Basin is a non-attainment area for ozone, fine particulate matter (PM10), and carbon monoxide (federal only).

As indicated in item 3(b) above, construction emissions of the proposed project may potentially exceed the SCAQMD's thresholds of significance for criteria pollutants. Although the construction of the proposed project would be considered temporary in duration (approximately 25 months), the proposed project may result in potentially significant impacts related to a net increase of criteria pollutants. This issue will require further analysis.

d) Expose sensitive receptors to substantial pollutant concentrations?

☒ ☐ ☐ ☐

Reference: *L.A. CEQA Thresholds Guide* (Sections B1, B2, and B3)

Comment: A significant impact would occur if construction or operation of the proposed project generated pollutant concentrations to a degree that would significantly affect sensitive receptors.

As discussed above, the proposed project may potentially result in substantial pollutant concentrations during the construction phase. The project site is surrounded by sensitive receptors including multi-family residential uses and churches, which would include children and elderly persons who may be particularly susceptible to the effects of a temporary increase in air quality pollutant concentrations. The heavy-duty construction trucks required to haul dirt during the construction of the proposed project are major emitters of the toxic air contaminant Diesel Particulate Matter (DPM). An analysis will be prepared to determine the potential significance of DPM exposure. Therefore, the proposed project may result in potentially significant impacts related to the exposure of sensitive receptors to substantial pollutant concentrations. This issue will require further analysis.

e) Create objectionable odors affecting a substantial number of people?

☐ ☒ ☐ ☐

Reference: *L.A. CEQA Thresholds Guide* (Sections B1 and B2)

Comment: A significant impact would occur if the project created objectionable odors during construction or operation that would affect a substantial number of people.

During construction, sources of odor are diesel emissions from construction equipment and volatile organic compounds from sealant applications or paving activities. However, these odors would be temporary and localized. Nonetheless, applicable best management practices such as those in SCAQMD Rule 431 (Diesel Equipment) would, in addition to minimizing air quality impacts, also help minimize potential construction odors.

The construction of the proposed project would also involve the removal of sediment and other materials from the Lake bed. Once these materials are removed, they would be

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required to be piled in the staging areas established on the project site and dried for a period of approximately one to two months. During the drying activities, various odors may be emitted from the sediment piles due to decomposition of organic materials temporarily impacting the sensitive receptors in the project area.

The Lake has an aeration and circulation system that would assist in minimizing the potential for excessive amounts of organic material in the sediment. Odors are not anticipated to be created by the proposed project during the operational phase. The proposed project may result in potentially significant impacts related to creating objectionable odors during the construction phase. This issue will require further analysis.

4. BIOLOGICAL RESOURCES – Would the project:

- a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?

☐ ☒ ☐ ☐

Reference: City of Los Angeles General Plan, City of Los Angeles General Plan Conservation Element; *L.A. CEQA Thresholds Guide* (Section C); and *Echo Park Lake Rehabilitation Project Wildlife Relocation Plan*

Comment: A significant impact may occur if the proposed project would remove or modify habitat for any species identified or designated as a candidate, sensitive, or special status species in local or regional plans, policies, or regulation, or by the state or federal regulatory agencies cited.

The project site consists of a 24-acre park, which includes a 13-acre lake. In addition, the project site includes areas of grass, shrubs and trees. As such, the project site may potentially provide habitat for sensitive species. The proposed project would include in-lake vegetation and habitat improvements including reconditioning the existing lotus beds, creating new wetland areas, improving lake edge treatments, and possibly creating structures to improve habitat for fish and birds. In addition, selected trees that currently exist on the project site would require removal and/or replacement. A tree replacement plan has been prepared for the proposed project.

A wildlife impact and relocation study has been completed for the proposed project. Various species of fish, turtles and amphibians would be relocated during the construction phase in accordance with the California Department of Fish and Game (CDFG). Construction activities would be organized to avoid other species including the great blue heron; other migratory and local resident birds, including ducks, coots, and songbirds; and various mammals, including bats. If these species or sensitive species are encountered during the construction phase, mitigation measure would be required to be implemented to ensure that the appropriate actions are taken in compliance with applicable local, state, or federal regulations and requirements. Therefore, the proposed project may result in potentially significant impacts related to sensitive species. This issue will require further analysis.

- b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or US Fish and Wildlife Service?

☐ ☒ ☐ ☐

Reference: *City of Los Angeles General Plan Conservation Element*, *L.A. CEQA Thresholds*

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Guide (Section C); and *Echo Park Lake Rehabilitation Project Permitting Requirements*
Comment: A significant impact may occur if riparian habitat or any other sensitive natural community were to be adversely modified.

See comment for 4 (a). On-going coordination with the U.S. Army Corps of Engineers (USACE) will determine if these agencies possess jurisdiction within the project site due to the presence of the water body, wetlands and riparian resources on-site. CDFG is currently known to have jurisdiction over portions of the project site. Riparian areas, wetlands, other waters of the U.S., waters of the state, and special-status species and natural communities are considered sensitive biological resources that fall under the jurisdiction of these regulatory agencies. Coordination, the approval of various permits, and implementation of mitigation measure would reduce any effects on riparian habitats, if they are encountered during the construction phase. Therefore, the proposed project may result in potentially significant impacts related to effects on riparian habitats. This issue will require further analysis.

- c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?

☐ ☒ ☐ ☐

Reference: *City of Los Angeles General Plan Conservation Element*, *L.A. CEQA Thresholds Guide* (Section C), and *Echo Park Lake Rehabilitation Project Permitting Requirements*

Comment: A significant impact may occur if federally protected wetlands, as defined by Section 404 of the Clean Water Act, would be modified or removed.

The Lake is currently designated by the U.S. Fish and Wildlife Service as a freshwater pond. In addition, a portion of the Lake is also identified as a freshwater emergent wetland. The Lake discharges to a storm drain, which is a tributary to Los Angeles River. Section 404 of the Clean Water Act requires a permit from USACE for the discharge of dredged or fill material into navigable waters, or waters of the United States. USACE regulations broadly define waters of the U.S. to include waters that may be used in interstate commerce, wetlands, and sloughs that could affect interstate commerce, tributaries to waters of the U.S., and territorial seas. Approximately 10,000 cubic yards of fill is anticipated to be required to repair the Lake liner and an amount of fill that is to be determined would be required for the constructed wetlands; therefore, a permit would be required for the discharge of this material into waters of the U.S. However, the Lake may or may not be considered within USACE jurisdiction based on the outcome of jurisdictional determinations of the Los Angeles River currently being undertaken.

The proposed project would include construction of treatment wetlands, which would provide wildlife value, as well as the removal of the existing wetland islands in the Lake. Mitigation measures may be required to reduce potential effects on any protected wetland areas within the Lake. Therefore, the proposed project may result in potentially significant impacts related to effects on wetlands. This issue will require further analysis.

- d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?

☐ ☒ ☐ ☐

Reference: *L.A. CEQA Thresholds Guide* (Section C) and *Echo Park Lake Rehabilitation Project Permitting Requirements*

Comment: A significant impact may occur if the proposed project interfered or removed access to

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a migratory wildlife corridor or impeded the use of native wildlife nursery sites. The project site includes a lake, areas of grass, shrubs and trees. As such, the project site may potentially provide habitat for native resident or migratory fish or wildlife species. Tree removals are anticipated with the proposed project, which may potentially impact habitat suitable for wildlife movement or migration. The CDFG maintains jurisdiction over native and state protected species. All birds and active bird nests are protected under the federal Migratory Bird Treaty Act of 1918 and the California Fish and Game Code (except for European starlings, English house sparrows, and rock doves). Coordination with CDFG is on-going related to the native fish and wildlife inhabiting the lake, as well as nesting birds surrounding the lake. Mitigation measures may be required to reduce potential adverse effects on any wildlife movement or migration. Therefore, the proposed project may result in potentially significant impacts on wildlife movement or migration. This issue will require further analysis.

- e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance? ☐ ☒ ☐ ☐

Reference: *L.A. CEQA Thresholds Guide* (Section C)

Comment: A significant impact may occur if the proposed project would cause an impact that was inconsistent with local regulations pertaining to biological resources.

The proposed project would require the removal and replacement of trees currently located within the project site, particularly those trees located directly adjacent to the Lake edge. It is not anticipated that any protected trees, such as oak trees, would be removed as a result of the proposed project. However, mitigation measures may be required to ensure that the proposed project removes and replaces the trees in compliance with the City's tree protection ordinance and other applicable City policies. Therefore, the proposed project may result in potentially significant impacts related to tree preservation. This issue will require further analysis.

- f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan? ☐ ☐ ☐ ☒

Reference: *City of Los Angeles General Plan, City of Los Angeles General Plan Conservation Element*, and *L.A. CEQA Thresholds Guide* (Section C)

Comment: A significant impact may occur if the proposed project would be inconsistent with the adopted habitat conservation plans of the cited type.

The project site is not currently located in an adopted Habitat Conservation or Natural Community Conservation Plan area, or any other local, regional, or state habitat conservation plan area. Therefore, the proposed project would result in no impacts related to conflicts with habitat conservation plans. No further analysis of this issue is required.

5. CULTURAL RESOURCES – Would the project:

- a) Cause a substantial adverse change in the significance of a historical resource as defined in California Code of Regulations Section 15064.5? ☐ ☒ ☐ ☐

Reference: *Echo Park Cultural Resources and Landscape Treatment Plan*; *L.A. CEQA Thresholds Guide* (Section D.3), City of Los Angeles Cultural Heritage Commission "Historic-Cultural Monuments (HCM) Report by Planning Community", *Silver Lake-Echo Park-Elysian Valley Community Plan*

Comment: A significant impact may result if the proposed project caused a substantial adverse

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change to the significance of a historical resource.

In 2006, the City designated the Park as HCM No. 836. Features contributing to this designation were the Spanish Colonial Revival-style architecture in the Park, English-style landscaping, and defining characteristics including the Lake itself, the footbridge, perimeter paths, boathouse, recreation building, lotus beds, and the Park's unusual trees. Eight historic or potentially historic properties are located within or adjacent to the project site, including Angelus Temple to the north of the project site. The boathouse located on the project site was determined to be eligible for listing in the National Register of Historic Places. The Echo Park Recreation Center building located on the south side of Bellevue Avenue was also determined to be a contributor to a National Register of Historic Places district. Construction activities may affect some of the character-defining features or alter views of the Lake; therefore, mitigation measures may be required to ensure that no historical resources are adversely impacted by the proposed project. As such, the proposed project may result in potentially significant impacts related to historical resources. Further analysis of this issue is required.

- b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to California Code of Regulations Section 15064.5?

☐ ☒ ☐ ☐

Reference: *Echo Park Cultural Resources and Landscape Treatment Plan*; L.A. CEQA

Thresholds Guide (Section D.3), City of Los Angeles Cultural Heritage Commission "Historic-Cultural Monuments (HCM) Report by Planning Community", *Silver Lake-Echo Park-Ellysian Valley Community Plan*

Comment: A significant impact may occur if the proposed project were to cause a substantial adverse change in the significance of an archaeological resource which falls under the CEQA Guidelines section cited above.

The cultural resources report prepared for the proposed project found that one historic archaeological resource was previously recorded approximately 0.5 mile from the project site. However, no archaeological resources were previously recorded within the project site itself. During the cultural resources survey of the project site, no cultural materials were identified during the survey. The survey conducted did not reveal any surface evidence of archaeological resources within the project site. However, unknown archaeological resources may be discovered during the construction phase. Mitigation measures would be required to ensure that no archaeological resources are adversely impacted by the proposed project. Therefore, the proposed project may result in potentially significant impacts to archaeological resources. Further analysis of this issue is required.

- c) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

☐ ☐ ☒ ☐

Reference: *Echo Park Cultural Resources and Landscape Treatment Plan*; L.A. CEQA *Thresholds Guide* (Section D.1)

Comment: A significant impact may occur if grading or excavation activities associated with the proposed project would disturb unique paleontological resources or unique geologic features.

The cultural resources report prepared for the proposed project did not identify any paleontological resources within the project site. However, should bedrock or any potentially important paleontological deposits be encountered during construction, in accordance with standard Department of Public Works construction practices, construction would be temporarily diverted from the vicinity of the find until a qualified resource specialist could evaluate the find and make recommendations, as needed, to protect the find or mitigate the

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impact. Therefore, the proposed project would result in less than significant impacts on paleontological resources. No further analysis of this issue is required.

- d) Disturb any human remains, including those interred outside of formal cemeteries? ☐ ☐ ☒ ☐

Reference: *Standard Specification for Public Works Construction, L.A. CEQA Thresholds Guide* (Section D.2)

Comment: A significant impact may occur if grading or excavation activities associated with the proposed project would disturb interred human remains.

No known burial sites are located within the project site and none are anticipated to occur. The Native American Heritage Commission (NAHC) conducted a check of its Sacred Lands File for the project site. The results indicated no sacred lands had been previously documented for the project site. However, the absence of specific site information in the Sacred Lands File does not preclude the possibility of cultural resources within the Project area. Should human remains be encountered during construction, per standard public works construction practice, work would be temporarily diverted from the vicinity of the find until the coroner is notified in accordance with the Health and Safety Code Section 7050.5. If the remains were determined to be of Native American descent, the coroner would have 24 hours to notify the Native American Heritage Commission (NAHC). The NAHC would identify the person(s) thought to be the Most Likely Descendent, who would then help determine the appropriate course of action. Therefore, the proposed project would result in less than significant impacts to the disturbance of human remains. No further analysis of this issue is required.

6. GEOLOGY AND SOILS – Would the project:

- a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? ☐ ☐ ☒ ☐

Reference: California Department of Conservation Publication 42; *L.A. CEQA Thresholds Guide* (Section E.1), *City of Los Angeles General Plan Safety Element*

Comment: A significant impact may occur if the proposed project were located within a state-designated Alquist-Priolo Zone or other designated fault zone and appropriate building practices were not followed.

The project site is not located within a State of California Earthquake Fault Zone (formerly known as an Alquist-Priolo Special Study Zone). As is most of southern California, the project site is located in a seismically active area. However, no active faults are known to cross the project site. The closest active fault is the Hollywood Fault, which is located approximately 2.6 miles north and northwest of the project site. The probable magnitude of an earthquake along this fault is 5.8 through 6.5. Applicable building code requirements would be implemented. As part of building code (applicable California Building Code Seismic Design Criteria) and BOE Standard Project Specifications, construction measures are prescribed that enable safe and efficient project implementation within areas subject to seismic movement. In accordance with standard practices, site-specific geotechnical and geological investigations that focus on these potential hazards are performed as part of project design studies and applicable recommendations incorporated. Therefore, the

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proposed project would result in less than significant impacts related to fault rupture. No further analysis of this issue is required.

- ii) Strong seismic ground shaking? ☐ ☐ ☒ ☐

Reference: *L.A. CEQA Thresholds Guide* (Section E.1)

Comment: A significant impact may occur if the proposed project design did not comply with building code requirements intended to protect people from hazards associated with strong seismic ground shaking.

See comment 6(a)(i).

- iii) Seismic-related ground failure, including liquefaction? ☐ ☐ ☒ ☐

Reference: California Department of Conservation Seismic Hazards Map – Hollywood Quadrangle; *L.A. CEQA Thresholds Guide* (Section E.1), *City of Los Angeles General Plan Safety Element*

Comment: A significant impact may occur if the proposed project would be located in an area identified as having a high risk of liquefaction and appropriate design measures required within such designated areas were not incorporated into the project.

The entire project site is located in an area mapped as potentially liquefiable. Applicable building code requirements would be implemented. As part of building code (applicable California Building Code Seismic Design Criteria) and BOE Standard Project Specifications, construction measures are prescribed that enable safe and efficient project implementation within areas subject to seismic movement. In accordance with standard practices, site-specific geotechnical and geological investigations that focus on these potential hazards are performed as part of project design studies and applicable recommendations incorporated. Additionally, no habitable structures would be constructed as part of this project. Therefore, the proposed project would result in less than significant impacts related to liquefaction. No further analysis of this issue is required.

- iv) Landslides? ☐ ☐ ☒ ☐

Reference: *City of Los Angeles General Plan* (Landslide Inventory and Hillside Areas in the City of Los Angeles Map); *L.A. CEQA Thresholds Guide* (Section E.1);

Comment: A significant impact may occur if the proposed project would be located in an area identified as having a high risk of landslides.

The project site is generally designated as being in a hillside area. However, no known landslide areas are identified on the project site. Additionally, the hillsides near the project site are highly developed with structures and landslides are not considered to be a potential hazard at the project site. Therefore, the proposed project would result in less than significant impacts related to landslides. No further analysis of this issue is required.

- b) Result in substantial soil erosion or the loss of topsoil? ☐ ☐ ☒ ☐

Reference: *City of Los Angeles General Plan Safety Element*; *L.A. CEQA Thresholds Guide* (Section E.2)

Comment: A significant impact may occur if the proposed project were to expose large areas to the erosion effects of wind or water for a prolonged period of time.

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The project site is not located in a high wind area. Construction of the proposed project would result in ground surface disruption activities, such as site excavation, sediment removal and drying. These activities could result in the potential for erosion to occur at the project site. However, soil exposure would be temporary and short-term in nature and applicable Department of Building and Safety erosion control techniques would limit potential erosion. Therefore, the proposed project would result in less than significant impacts related to erosion or loss of topsoil. No further analysis of this issue is required.

- c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse? ☐ ☐ ☒ ☐

Reference: *L.A. CEQA Thresholds Guide* (Section C1), *City of Los Angeles General Plan* (Landslide Inventory and Hillside Areas in the City of Los Angeles Map)

Comment: A significant impact may occur if the proposed project were built in an unstable area without proper site preparation or design features to provide adequate foundations for project buildings, thus posing a hazard to life and property.

In accordance with standard practice, a geotechnical evaluation will be conducted which would prescribe methods, techniques, and specifications for: site preparation, treatment of undocumented fill and/or alluvial soils, fill placement on sloping ground, fill characteristics, fill placement and compactions, temporary excavations, permanent slopes, treatment of expansive soils, and treatment of corrosive soils. Design and construction of the proposed project would conform to recommendations in the geotechnical evaluation. See comment for 6(a) (iii).

- d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property? ☐ ☐ ☒ ☐

Reference: Uniform Building Code

Comment: Bentonite would be added to the Lake bed during construction, which may potentially affect the expansiveness of the Lake bed soil. However, the proposed project would not construct any buildings on this soil.. The proposed project would construct a berm on the Lake bed in compliance with DSOD requirements. This would not result in a substantial risk to life or property. Compliance with approved best management practices would prevent any effects related to expansive soils. Therefore, the proposed project would result in less than significant impacts related to expansive soils. No further analysis of this issue is required.

- e) Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater? ☐ ☐ ☐ ☒

Reference: *Pre-Design Report-Echo Park Lake Rehabilitation Project*

Comment: A significant impact may occur if the proposed project were built on soils that were incapable of adequately supporting the use of septic tanks or alternative wastewater disposal system, and such a system were proposed.

No septic tanks or alternative wastewater disposal systems are proposed or needed with the proposed project. The installation of hydrodynamic separators would assist in removing the debris that may be present in storm water runoff flowing into the Lake. However, the soil of the Lake bed and edge are anticipated to be capable of supporting this element of the proposed project. Therefore, the proposed project would result in no impacts related to inadequate soil support the use of septic tanks or alternative wastewater disposal systems.

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No further analysis of this issue is required.

7. GREENHOUSE GAS EMISSIONS – Would the project:

- a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment? ☒ ☐ ☐ ☐

Reference: Office of Planning and Research

Comment: A significant impact may occur if the proposed project would generate a substantial amount of greenhouse gas emissions.

The proposed project would include a large number of heavy-duty construction truck trips due to the required hauling of Lake bed sediment during the construction phase. As such, the proposed project would generate greenhouse gas (GHG) emissions during the construction phase. The operations of the Park and Lake would not be altered by the proposed project. Therefore, a net increase in GHG emissions during the operational phase is not anticipated. A detailed analysis is required to assess the proposed project's contribution of GHG emissions during the construction phase. The proposed project may result in potentially significant impacts related to the GHG emissions. Further analysis of this issue is required.

- b) Conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases? ☒ ☐ ☐ ☐

Reference: Office of Planning and Research

Comment: A significant impact may occur if the proposed project would conflict with an applicable plan, policy, or regulation adopted to reduce greenhouse gas emissions.

See comment for 7 (a). The proposed project's compliance with guidance set forth in the Office of Planning and Research, the California Air Pollution Control Officers Association, SCAQMD, and State Assembly Bill 32 will require further detailed analysis. Therefore, potentially significant impacts are anticipated related to conflicts with applicable plans, policies and regulations adopted for the purpose of reducing GHG emissions. Further analysis of this issue is required.

8. HAZARDS AND HAZARDOUS MATERIALS – Would the project:

- a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials? ☒ ☐ ☐ ☐

Reference: *L.A. CEQA Thresholds Guide* (Sections F.1 & F.2), Envirostor, California Department of Toxic Substance Control; and Geotracker, State Water Resources Control Board

Comment: Operation of the proposed facility would not routinely require transport, use, or disposal of significant quantities of hazardous materials, including, but not limited to oils, pesticides, or chemicals. Any chemicals or pesticides related to the upkeep of the grass and landscaping at the project site would be stored in relatively small quantities in appropriate containers and handled per manufacturer's instructions to protect the health and safety of park employees and the public.

Construction activities would be short-term and limited in nature and may involve limited transport, storage, use or disposal of hazardous materials. No hazardous or contaminated soils have been identified on the project site or would need to be exported from the project site. Examples of hazardous materials that may be handled include contaminated groundwater, fuels, lubricating fluids, and solvents. These types of materials are not acutely hazardous, and all storage, handling, and disposal of these materials are regulated. Any

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excavation, treatment, and/or disposal of contaminated groundwater would be conducted to the satisfaction of the applicable regulatory agencies, which could include the California Department of Toxic Substances Control (DTSC) and RWQCB. Investigations are currently on-going to determine if contaminated groundwater exists beneath the project site.

In addition, three open leaking underground storage tank (LUST) clean-up sites are located within 0.25 mile of the project site and potentially up-gradient from the project site. These sites include Hollyway Cleaners at 1157 Echo Park Avenue, 76 Station #0779 at 1340 Glendale Boulevard, and Sunset Carwash at 2028 Sunset Boulevard. These sites are currently undergoing site assessment under the oversight of the Regional Water Quality Control Board for potential groundwater contamination. This issue will be further addressed in the EIR.

- b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment? ☐ ☐ ☒ ☐

Reference: *L.A. CEQA Thresholds Guide* (Sections F.1 & F.2), Envirostor, California Department of Toxic Substance Control; and Geotracker, State Water Resources Control Board
Comment: See comment 7 (a) above.

- c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school? ☐ ☐ ☒ ☐

Reference: *L.A. CEQA Thresholds Guide* (Sections F.2), Envirostor, California Department of Toxic Substance Control; and Geotracker, State Water Resources Control Board

Comment: A significant impact may occur if the proposed project were located within one-quarter mile of an existing or proposed school site and were projected to release toxic emissions which pose a hazard beyond regulatory thresholds.

Logan Street Elementary School is located approximately 0.2 mile north of the project site at 1711 Montana Street. The proposed Central Region Elementary School #14 is scheduled to open in 2011 at 1018 Mohawk Street, approximately 0.2 mile west of the project site. No other existing or proposed schools are located within 0.25 mile of the project site. As discussed in 7 (a) above, a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials is not anticipated as a result of the proposed project. Therefore, the proposed project would result in less than significant impacts related to the emission of hazardous emissions or the handling of hazardous materials within 0.25 mile of an existing or proposed school. No further analysis of this issue is required.

- d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment? ☐ ☐ ☐ ☒

Reference: *L.A. CEQA Thresholds Guide* (Sections F.2); Envirostor, California Department of Toxic Substance Control; and Geotracker, State Water Resources Control Board

Comment: See comment 8 (a) above. The project site is not listed in the State Water Resources Control Board GeoTracker system, which includes leaking underground fuel tank sites and Spills, Leaks, Investigations, and Cleanups sites; or the DTSC's EnviroStor Data Management System which includes CORTESE sites, or the Environmental Protection Agency's database of regulated facilities. Therefore, the proposed project would result in no impacts related to the

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project site being included on a list of hazardous materials. No further analysis of this issue is required.

- e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?

☐ ☐ ☐ ☒

Reference: *City of Los Angeles General Plan, L.A. CEQA Thresholds Guide* (Section F.1), *Silver Lake-Echo Park-Elysian Valley Community Plan*; *The Thomas Guide, Los Angeles County Street Guide*

Comment: A significant impact may occur if the proposed project site was located within a public airport land use plan area, or within two miles of a public airport, and would create a safety hazard.

The project site is not located within an airport land use plan area. The Burbank-Glendale-Pasadena Airport is located approximately ten miles northwest of the project site. Safety hazards at airports are generally related with aircraft accidents, especially during take off or landing. Airport operation hazards include incompatible land uses, power transmission lines, wildlife hazards, and tall structures that can interfere with aircraft operations. The proposed project would not construct any tall buildings or structures that would interfere with local airport operations, resulting in a safety hazard. Therefore, the proposed project would result in no impacts related to airport safety hazards. No further analysis of this issue is required.

- f) For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?

☐ ☐ ☐ ☒

Reference: *L.A. CEQA Thresholds Guide* (Section F.1), *Silver Lake-Echo Park-Elysian Valley Community Plan*; *The Thomas Guide, Los Angeles County Street Guide*

Comment: The project site is not located within the vicinity of a private airstrip. Therefore, the proposed project would result in no impacts related to private airstrip hazards. No further analysis of this issue is required.

- g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

☐ ☐ ☒ ☐

Reference: *L.A. CEQA Thresholds Guide* (Section F.1); *City of Los Angeles General Plan Safety Element*

Comment: A significant impact may occur if the proposed project were to substantially interfere with roadway operations used in conjunction with an emergency response plan or evacuation plan or would generate sufficient traffic to create traffic congestion that would interfere with the execution of such a plan.

The proposed project would not alter the operations of the Park and Lake, as well as the adjacent street system. As applicable, any traffic detour plans during construction would address emergency response or emergency evacuation for implementation during construction. Therefore, the proposed project would result in less than significant impacts related to emergency response and emergency evacuation plans. No further analysis of this issue is required.

- h) Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?

☐ ☐ ☐ ☒

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Reference: *City of Los Angeles General Plan Safety Element*

Comment: A significant impact may occur if the proposed project were located in a wildland area and poses a significant fire hazard, which could affect persons or structures in the area in the event of a fire.

The project site is not located in or adjacent to a wildland area, wildland fire area or urban fire area as designated by the *City of Los Angeles General Plan Safety Element*. Therefore, the proposed project would result in no wildland fire hazards. No further analysis of this issue is required.

9. HYDROLOGY AND WATER QUALITY – Would the project:

- a) Violate any water quality standards or waste discharge requirements? ☒ ☐ ☐ ☐

Reference: *L.A. CEQA Thresholds Guide* (Section G.2)

Comment: A significant impact may occur if the proposed project discharged water which did not meet the quality standards of agencies which regulate surface water quality and water discharge into storm water drainage systems. For example, if a project were not in compliance with all applicable regulations with regard to surface water quality as governed by the State Water Resources Control Board. These regulations include compliance with the Standard Urban Storm Water Mitigation Plan (SUSMP) requirements to reduce potential water quality impacts.

The project's goals include improving water quality during the operational phase. Short-term impacts to water quality due to construction activities would be regulated under California State Water Resources Control Board Water Quality Order No. 99-08-DWQ (General Construction Permit). Under this permit, the City of Los Angeles would implement a storm water pollution prevention plan and Best Management Construction Practices would be implemented to ensure no significant impacts to water quality occur during construction. However, due to the intensity of construction activities proposed with the project and the need to dewater the Lake, mitigation measures may be required to ensure that water quality standards are addressed during the construction phase. The proposed project may result in potentially significant impacts related to violation of water quality standards during construction. Further analysis of this issue is required.

- b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)? ☐ ☐ ☒ ☐

Reference: *L.A. CEQA Thresholds Guide* (Sections G.2 and G.3)

Comment: Groundwater is a major component of the water supply for many public water suppliers in the Los Angeles metropolitan area, and is also used by private industries, as well as a limited number of private agricultural and domestic users. A project would normally have a significant impact on groundwater supplies if it were to result in a demonstrable and sustained reduction of groundwater recharge capacity or change the potable water levels sufficiently that it would reduce the ability of a water utility to use the groundwater basin for public water supplies or storage of imported water, reduce the yields of adjacent wells or well fields, or adversely change the rate or direction of groundwater flow.

The implementation of the parkland best management practices proposed with the project

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would promote groundwater recharge and infiltration with the use of rain gardens, grassy swales, and the porous pavement system. Significant changes to the groundwater supply are not anticipated as a result of the proposed project. The proposed project would result in less than significant impacts related to groundwater supplies. No further analysis of this issue is required.

- c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site?

☐ ☐ ☒ ☐

Reference: *L.A. CEQA Thresholds Guide* (Sections G.1 and G2)

Comment: A significant impact may occur if the proposed project resulted in a substantial alteration of drainage patterns that resulted in a substantial increase in erosion or siltation during construction or operation of the project.

With the proposed project, the Lake will retain its function in the Los Angeles drainage system as a storage basin for high volume flows. The Glendale Boulevard storm drain system will continue to function as currently operated with high storm flows diverted temporarily into the Lake. Dry season flows will be pumped from the Glendale Boulevard storm drain system. However, surface drainage patterns would not be significantly altered resulting in erosion or siltation. The proposed project would result in less than significant impacts related to drainage patterns. No further analysis of this issue is required.

- d) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner that would result in flooding on- or off-site?

☒ ☐ ☐ ☐

Reference: *L.A. CEQA Thresholds Guide* (Section G.1)

Comment: A significant impact may occur if the proposed project resulted in increased runoff volumes during construction or operation of the proposed project that would result in flooding conditions affecting the project site or nearby properties.

One objective of the proposed project is to improve urban runoff in the Los Angeles River Watershed. The installation of porous paving and other Lake edge improvements adjacent to and circling the Lake would assist in limiting runoff on the project site. The installation of hydrodynamic separators would assist in removing the debris that may be present in storm water runoff flowing into the Lake, particularly during major storm events. In addition, the proposed project would re-route storm drain flows into the Lake and alter drainage patterns in the vicinity. Flooding may occur at the project site during major storm events. However, it is not anticipated that the proposed project would implement modifications that would result in an increase in flooding as compared to existing conditions. Further analysis of this issue is required to confirm this determination.

- e) Create or contribute runoff water which would exceed the capacity of existing or planned storm water drainage systems or provide substantial additional sources of polluted runoff?

☐ ☒ ☐ ☐

Reference: *L.A. CEQA Thresholds Guide* (Section G.2)

Comment: A significant impact may occur if the volume of runoff were to increase to a level which exceeded the capacity of the storm drain system serving a project site. A significant impact may also occur if the proposed project would substantially increase the probability that

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<p>polluted runoff would reach the storm drain system. See comments for 8 (a through d) above. The proposed project would alter storm drain systems in the vicinity of the Lake and would re-route flows into the Lake for water quality purposes. However, the amount of runoff associated with the proposed project is not anticipated to exceed the capacity of the storm drain system or provide additional sources of polluted runoff. Further analysis of this issue is required.</p>				
<p>f) Otherwise substantially degrade water quality?</p> <p>Reference: <i>L.A. CEQA Thresholds Guide</i> (Section G.3) Comment: A significant impact may occur if a project included potential sources of water pollutants and potential to substantially degrade water quality.</p> <p>The overall objective of the proposed project is to improve water quality in the Lake and contribute to water quality improvement in the Los Angeles River Watershed. The proposed project must also be consistent with the RWQCB's intent to restore the existing and potential beneficial water quality uses in the Lake. The proposed project would result in less than significant impacts related to the substantial degradation of water quality. No further analysis of this issue is required.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>g) Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?</p> <p>Reference: FEMA, Flood Insurance Rate Map No. 06037C1610F; <i>L.A. CEQA Thresholds Guide</i> (Sections G.1 to G.3) Comment: The project site is located within a 100-year flood hazard area. However, no housing is proposed as part of the proposed project. Therefore, the proposed project would result in no impacts on the placement of housing within a 100-year flood hazard area. No further analysis of this issue is required.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>h) Place within a 100-year flood hazard area structures that would impede or redirect flood flows?</p> <p>Reference: FEMA, Flood Insurance Rate Map No. 06037C1610F, <i>L.A. CEQA Thresholds Guide</i> (Sections G.1 & G.3) Comment: The project site is located within a 100-year flood hazard area and the proposed project would temporarily redirect flood flows during the construction phase to existing storm drains in the area. The redirection of flood flows would be temporary and is not anticipated to result in an increase in the amount of flood flows beyond existing conditions. Further analysis of this issue is required to evaluate this potential temporary impact.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>i) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?</p> <p>Reference: <i>City of Los Angeles General Plan Safety Element, L.A. CEQA Thresholds Guide</i> (Sections E.1 & G.3) Comment: A significant impact may occur if the proposed project were located in an area where a dam or levee could fail, exposing people or structures to significant risk of loss, injury or death. The Park and Lake are not at risk from inundation (flooding due to the failure of a dam or levee.) However, water is kept in the Lake by an existing dam at the south end of the Lake. In accordance with the Division of Safety of Dams standards, the proposed project would</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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construct an earthen berm within the Lake to reduce the volume of water that could be released in the event of dam failure. Therefore, the proposed project would not adversely affect flood risk. No further analysis of this issue is required.

- j) Inundation by seiche, tsunami, or mudflow?

☐ ☐ ☐ ☒

Reference: *City of Los Angeles General Plan Safety Element, LA CEQA Thresholds Guide* (Section E.1)

Comment: A significant impact may occur if the proposed project would cause or accelerate geologic hazards, which would result in substantial damage to structures or infrastructure, or expose people to substantial risk of injury.

The Inundation and Tsunami Hazard Areas map (Exhibit G) of the Safety Element of the *Los Angeles City General Plan* (adopted by City Council November 26, 1996) indicates the project site is not located within a potential inundation and tsunami hazard area. The project site is located approximately 14 miles east of the Pacific Ocean. In addition, the project site is not identified as being within a mudflow risk area. The project site is not located in close proximity to a body of water that, during a seismic or other event, has the potential to result in a seiche or a standing wave. Therefore, the proposed project would result in no impacts related to inundation by seiche, tsunami or mudflow. No further analysis of this issue is required.

10. LAND USE AND PLANNING – Would the project:

- a) Physically divide an established community?

☐ ☐ ☐ ☒

Reference: *City of Los Angeles General Plan, LA CEQA Thresholds Guide* (Section H.2)

Comment: Determination of impact is made based on several factors, including whether the proposed project is sufficiently large or otherwise configured in such a way as to create a physical barrier within an established community.

The proposed project involves below ground or surface level improvements within an existing City park. The project site is surrounded primarily by multi-family residential land uses. However, no large structures or buildings would be constructed with the proposed project that would potentially physically divide this community. The land use of the project site would remain open space with the implementation of the proposed project. Therefore, the proposed project would result in no impacts related to the division of an established community. No further analysis of this issue is required.

- b) Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?

☐ ☐ ☐ ☒

Reference: *City of Los Angeles General Plan, LA CEQA Thresholds Guide* (Sections H.1 & H.2), and ZIMAS

Comment: A significant impact may occur if the proposed project were inconsistent with the General Plan, or other applicable plan, or with the site's zoning if designated to avoid or mitigate a significant potential environmental impact.

The existing General Plan land use designation and the zoning designation for the project site is open space. The proposed project would not alter the land use of the project site. The proposed project would not conflict with any applicable land use plans. Therefore, the proposed project would result in no impacts related to land use plans. No further analysis

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of this issue is required.

- c) Conflict with any applicable habitat conservation plan or natural community conservation plan? ☐ ☐ ☐ ☒

Reference: *City of Los Angeles General Plan, LA CEQA Thresholds Guide* (Sections H.1 & H.2)

Comment: A significant impact may occur if the proposed project were located within an area governed by a habitat conservation plan or natural community conservation plan and would conflict with such plan.

No habitat conservation plan or natural community conservation plan exists for the project site. Therefore, the proposed project would result in no impacts related to conflicts with habitat conservation or natural community conservation plans. No further analysis of this issue is required.

11. MINERAL RESOURCES – Would the project:

- a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state? ☐ ☐ ☐ ☒

Reference: *City of Los Angeles General Plan Conservation Element (Mineral Resources Map)* and *L.A. CEQA Thresholds Guide* (Section E4)

Comment: No mineral resources are identified within the project site. Therefore, the proposed project would result in no impacts related to mineral resources. No further analysis of this issue is required.

- b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan? ☐ ☐ ☐ ☒

Reference: *City of Los Angeles General Plan, L.A. CEQA Thresholds Guide* (Sections H.1 & H.2)

Comment: See comment 10 (a) above.

12. NOISE – Would the project result in:

- a) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies? ☒ ☐ ☐ ☐

Reference: *City of Los Angeles General Plan, City of Los Angeles Municipal Code; L.A. CEQA Thresholds Guide* (Section I)

Comment: A significant impact may occur if the project resulted in or exposed people to noise levels that exceeded the standards established by the general plan and and/or noise ordinance of the Municipal Code.

The proposed project consists of the rehabilitation of the Park and Lake and would not alter the land use of the project site. The operations of the Park and Lake after the implementation of the proposed improvements would not be altered from existing conditions. Therefore, operational noise is not anticipated to increase with the proposed project.

However, the construction of the proposed project would result in a temporary increase in noise levels in the project area. The temporary increase in noise would result from the heavy-duty haul truck traffic and various construction equipment used to drain the Lake, remove sediment, and implement the parkland structural best management practices. The project site is surrounded primarily by multi-family residential uses, which would be sensitive to the increased noise levels during the construction phase. Further technical analysis is required to

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assess the level of noise impact during the construction phase, the degree to which the proposed activities would be in compliance with applicable noise standards, and to proposed mitigation measures that would reduce the effects. Therefore, the proposed project may result in potentially significant impacts related to generation of noise levels.

- b) Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels? ☒ ☐ ☐ ☐

Reference: *City of Los Angeles General Plan, City of Los Angeles Municipal Code, L.A. CEQA Thresholds Guide* (Section I)

Comment: A significant impact may occur if the project were to expose persons to or generate excessive groundborne vibration or groundborne noise levels.

Construction activities associated with the project could generate groundborne vibration from use of heavy equipment. However, typically, activities such as pile driving would generate excessive vibration. Pile driving may occur during the construction phase of the proposed project. Therefore, the proposed project may result in potentially significant impacts related to groundborne vibration. Further analysis of this issue is required.

- c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project? ☐ ☒ ☐ ☐

Reference: *City of Los Angeles General Plan, City of Los Angeles Municipal Code, L.A. CEQA Thresholds Guide* (Section I)

Comment: A significant impact may occur if the project were to substantially and permanently increase the ambient noise levels in the project vicinity above levels existing without the proposed project.

See comment 11 (a) above. Further technical analysis is required to assess the level of project noise impacts, the degree to which the proposed activities would be in compliance with applicable noise standards, and to proposed mitigation measures that would reduce the effects. Therefore, the proposed project may result in potentially significant impacts related to generation of noise levels.

- d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project? ☐ ☒ ☐ ☐

Reference: *L.A. CEQA Thresholds Guide* (Section I)

Comment: A significant impact may occur if the project were to create a substantial temporary or periodic increase in the ambient noise levels in the project vicinity above levels existing without the proposed project.

See comment 11 (a) above. Further technical analysis is required to assess the level of project noise impacts, the degree to which the proposed activities would be in compliance with applicable noise standards, and to proposed mitigation measures that would reduce the effects. Therefore, the proposed project may result in potentially significant impacts related to generation of noise levels.

- e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels? ☐ ☐ ☐ ☒

Reference: *L.A. CEQA Thresholds Guide* (Section I); *The Thomas Guide, Los Angeles County*

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Street Guide

Comment: See comment 11 (a) above. The project site is not located within an airport land use plan area or within two miles of a public airport or public use airport. Therefore, the proposed project would result in no impacts related to excessive noise levels near an airport. No further analysis of this issue is required.

- f) For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels? ☐ ☐ ☐ ☒

Reference: *L.A. CEQA Thresholds Guide* (Section I); *The Thomas Guide, Los Angeles County Street Guide*

Comment: See comment 11 (a) above. The project site is not located within the vicinity of a private airstrip. Therefore, the proposed project would result in no impacts related to excessive noise levels near a private airstrip. No further analysis of this issue is required.

13. POPULATION AND HOUSING – Would the project:

- a) Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)? ☐ ☐ ☐ ☒

Reference: *Silver Lake-Echo Park-Elysian Valley Community Plan, L.A. CEQA Thresholds Guide* (Section J.1)

Comment: A significant impact may occur if the proposed project induced substantial population and housing growth through new development in undeveloped areas or by introducing unplanned infrastructure that was not previously evaluated in the adopted community plan or general plan.

The proposed project would not promote population growth either directly or indirectly, since it consists of infrastructure and water quality upgrades to meet regulatory requirements in conformance with the needs projected in the adopted community and general plans. Therefore, the proposed project would result in no impacts related to inducing population growth in the project area. No further analysis of this issue is required.

- b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere? ☐ ☐ ☐ ☒

Reference: *L.A. CEQA Thresholds Guide* (Sections J.1 and J.2)

Comment: The project site currently consists of open space and recreational facilities. No housing is located on the project site. The proposed project would not displace any existing housing units. Therefore, the proposed project would result in no impacts related to housing displacement and replacement. No further analysis of this issue is required.

- c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere? ☐ ☐ ☐ ☒

Reference:

Comment: See comment 12 (b) above.

14. PUBLIC SERVICES –

- a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to

Issues	Potentially Significant Impact	Potentially Signif. Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
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maintain acceptable service ratios, response times or other performance objectives for any of the public services:

i) Fire protection?

☐ ☐ ☒ ☐

Reference: *City of Los Angeles General Plan Safety Element, L.A. CEQA Thresholds Guide* (Section K.2)

Comment: A significant impact may occur if the project required the addition of a new fire station or the expansion, consolidation or relocation of an existing facility to maintain service.

The Los Angeles Fire Department Station No. 20 is located approximately 0.2 mile northwest of the project site at 2144 West Sunset Boulevard. The proposed project would not require additional fire protection or emergency response services beyond what is currently provided. In compliance with BOE Standard Project Specifications, construction activities would comply with applicable Fire Code requirements. The nearest local fire responders would be notified, as appropriate, during construction so as to coordinate emergency response routing during the construction phase. Therefore, the proposed project would result in less than significant impacts related to fire protection. No further analysis of this issue is required.

ii) Police protection?

☐ ☐ ☒ ☐

Reference: *City of Los Angeles General Plan Safety Element, L.A. CEQA Thresholds Guide* (Section K.1)

Comment: A significant impact may occur if the proposed project were to result in an increase in demand for police services that would exceed the capacity of the police department responsible for serving the site.

The Los Angeles Police Department Rampart Community Police Station is located approximately one mile south of the project site at 1401 West 6th Street. The proposed project would not require additional police protection beyond what is currently provided. In compliance with BOE Standard Project Specifications, construction activities would comply with applicable Municipal Code requirements. The nearest local police station would be notified, as appropriate, during construction so as to coordinate emergency response routing during the construction phase. Therefore, the proposed project would result in less than significant impacts related to police protection. No further analysis of this issue is required.

iii) Schools?

☐ ☐ ☐ ☒

Reference: *L.A. CEQA Thresholds Guide* (Section K.3)

Comment: A significant impact may occur if the proposed project included substantial employment or population growth that could generate demand for school facilities that exceeded the capacity of the school district responsible for serving the project site.

The proposed project is not a growth-inducing project, either directly or indirectly, and would therefore not increase the demand for schools in the area. Therefore, the proposed project would result in no impacts related to schools. No further analysis of this issue is required.

Issues	Potentially Significant Impact	Potentially Signif. Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
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iv) Parks?

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Reference: *L.A. CEQA Thresholds Guide* (Section K.4)

Comment: A significant impact may occur if the recreation and park services available could not accommodate the population increase resulting from the implementation of the proposed project.

The operation of the proposed project would not induce population growth or the construction of new housing, either directly or indirectly, and therefore, would not increase the demand for parks in the project area.

During the construction phase of the proposed project, the portion of the Park would be closed to the public. A temporary increase in park demand in the project area may result (and will be addressed under Section 15 Recreation below). However, the proposed project would not induce population growth in the project area, which would result in increased park facilities demands. Therefore, the proposed project would result in less than significant impacts related to parks. No further analysis of this issue is required.

v) Other public facilities?

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Reference:

Comment: Operation of the proposed project would not induce growth, either directly or indirectly, and is therefore not anticipated to increase the demand or use for other public facilities in the project area. As discussed above, the Park would be closed to the public. During construction, a temporary increase in park demand in the project area may result (and will be addressed under Section 15 Recreation below). Therefore, the proposed project would result in less than significant impacts related to other public facilities. No further analysis of this issue is required.

15. RECREATION –

a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?

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Reference: *L.A. CEQA Thresholds Guide* (Section K.4)

Comment: A significant impact may occur if the proposed project included substantial employment or population growth that generated demand for public park facilities that exceed the capacity of existing parks.

The operation of the Park and Lake would not be altered from existing conditions with the implementation of the proposed project. The proposed project would not directly or indirectly induce population growth. Therefore, the operation of the proposed project would not result in an increase in the demand for parks or other recreational facilities in the project area. However, a portion of the Park would be closed to the public during the construction phase potentially resulting in a temporary increase in the demand on other parks in the project area. Therefore, the proposed project may result in potentially significant impacts related to parks and recreational facilities. Further analysis of this issue is required.

b) Does the project include recreational facilities or require the construction or expansion of recreational facilities that might have an adverse physical effect on the environment?

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Issues	Potentially Significant Impact	Potentially Signif. Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
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Reference: *L.A. CEQA Thresholds Guide* (Section K.4)

Comment: See comment 15 (a) above.

16. TRANSPORTATION/TRAFFIC – Would the project:

- a) Exceed the capacity of the existing circulation system, based on an applicable measure of effectiveness (as designated in a general plan policy, ordinance, etc.), taking into account all relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit?

☒ ☐ ☐ ☐

Reference:

Comment: A significant impact may occur if the proposed project caused an increase in traffic that would be substantial in relation to the existing traffic load and capacity of the street system taking into account all relevant components of the circulation system.

The proposed project consists of improvements to an existing recreational and park facility. The operations of the Park, including access, hours of operation, and number of patrons expected, would not be altered with the implementation of the proposed project. As such, vehicle traffic trips would not increase with the proposed project.

Approximately, 50,000 cubic yards of soil would be removed from the project site and exported during the construction phase. Assuming trucks with 20 cubic yard capacity are used, approximately 2,500 truck trips would be generated by the need to haul the exported soil to the proper facilities. Therefore, the proposed project may result in potentially significant impacts related to a temporary increase in traffic trips during the construction phase. A traffic impact analysis will be prepared for the construction phase of the proposed project to identify feasible mitigation measures, as well as any effects on intersections, streets, highways, and other components of the circulation system.

- b) Conflict with an applicable congestion management program, including, but not limited to level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways?

☒ ☐ ☐ ☐

Reference:

Comment: See comment 15 (a) above. The proposed project may temporarily conflict with the Los Angeles County Congestion Management Program (CMP) during the construction phase, due to the large number of truck traffic trips and proximity of CMP intersections. Therefore, potentially significant impacts are anticipated and further analysis of this issue is required.

- c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?

☐ ☐ ☐ ☒

Reference:

Comment: The proposed project involves the implementation of improvements to a recreational and park facility and would not involve any changes in air traffic patterns. Therefore, the proposed project would result in no impacts related to air traffic patterns. No further analysis of this issue is required.

- d) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

☐ ☐ ☐ ☒

Issues	Potentially Significant Impact	Potentially Signif. Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
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Reference: *L.A. CEQA Thresholds Guide* (Section L.5)

Comment: A significant impact may occur if the proposed project substantially increased road hazards due to a design feature or incompatible uses.

The proposed project does not propose any permanent changes to the surrounding street system and would not introduce incompatible vehicles to surrounding roadways. The proposed project would not alter the operations of the existing project site. Any temporary traffic control measures proposed for the construction phase would be subject to review, including approval by Los Angeles Department of Transportation. Therefore, the proposed project would result in no impacts related to traffic hazards. No further analysis of this issue is required.

- e) Result in inadequate emergency access? ☐ ☐ ☒ ☐

Reference: *L.A. CEQA Thresholds Guide* (Section L.5 and L.8)

Comment: A significant impact may occur if the proposed project resulted in inadequate emergency access.

The proposed project area is readily accessible from adjacent roadways. The project does not include any permanent changes or alterations to emergency access. As applicable, during construction, temporary lane changes would be subject to Los Angeles Department of Transportation review and approval, to ensure appropriate emergency access is maintained. Therefore, the proposed project would result in less than significant impacts related to emergency access. No further analysis of this issue is required.

- f) Conflict with adopted policies, plans, or programs supporting alternative transportation (e.g., bus turnouts, bicycle racks)? ☐ ☐ ☒ ☐

Reference: *City of Los Angeles General Plan Transportation Element*

Comment: A significant impact may occur if the proposed project were to conflict with adopted policies, plans, or programs supporting alternative transportation.

A City-designated Commuter Bikeway is located along Glendale Boulevard, adjacent to the project site. The operation of the Park would not be altered with the implementation of the proposed project. This bikeway may temporarily be impacted by truck traffic circulation during the construction phase and would be subject to Los Angeles Department of Transportation review and approval. However, this impact would be temporary and less than significant. No further analysis of this issue is required.

17. UTILITIES AND SERVICE SYSTEMS – Would the project:

- a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board? ☐ ☐ ☒ ☐

Reference: *L.A. CEQA Thresholds Guide* (Section M.2), *Sewer Capacity Threshold Areas*

Comment: A significant impact may occur if the proposed project exceeded wastewater treatment requirements of the local regulatory governing agency.

The Hyperion Treatment Plant is located on a 144-acre site adjacent to the Santa Monica Bay, southwest of the Los Angeles International Airport. The drainage area served by this wastewater treatment plant is approximately 328,000 acres. Sewage from five major interceptor sewer systems is received and treated at this plant. Minimal amounts of wastewater are anticipated to be generated by the proposed project. It is anticipated that the

Issues	Potentially Significant Impact	Potentially Signif. Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
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Hyperion Treatment Plant and associated sewer system would have the capacity to accommodate the proposed project. No changes in the demands on the plant and sewer system are anticipated. Therefore, the proposed project would result in less than significant impacts related to wastewater treatment. No further analysis of this issue is required.

- b) Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects? ☐ ☐ ☒ ☐

Reference: *L.A. CEQA Thresholds Guide* (Sections M.1 and M.2)

Comment: A significant impact may occur if the proposed project resulted in the need for new construction or expansion of water or wastewater treatment facilities that could result in an adverse environmental effect that could not be mitigated.

See comment 17 (a) above. The proposed project would not require the use of large amounts of water necessitating the construction or expansion of water treatment facilities. The proposed project would result in the use of storm water.

- c) Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects? ☐ ☐ ☒ ☐

Reference: *L.A. CEQA Thresholds Guide* (Section M.2)

Comment: A significant impact may occur if the volume of storm water runoff from the proposed project increases to a level exceeding the capacity of the storm drain system serving the project site.

The proposed project includes improvements that would result in the use of storm water and would not result in the need to construct new storm water drainage facilities or expansion of facilities off-site. Therefore, the proposed project would result in less than significant impacts related to storm water drainage facilities. No further analysis of this issue is required.

- d) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed? ☐ ☐ ☒ ☐

Reference: *L.A. CEQA Thresholds Guide* (Section M.1)

Comment: A significant impact may occur if the proposed project's water demands would exceed the existing water supplies that serve the site.

The City of Los Angeles Department of Water and Power provides potable water to the project area and vicinity. Other than temporary construction water use, the proposed project would not include new water uses. An objective of the proposed project is to use storm water and in an effort to reduce the amount of municipal water used to fill the Lake. Therefore, the proposed project would result in less than significant impacts related to water supplies. No further analysis of this issue is required.

- e) Result in a determination by the wastewater treatment provider that serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments? ☐ ☐ ☒ ☐

Issues	Potentially Significant Impact	Potentially Signif. Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
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Reference:

Comment: Refer to 16 (a) above.

- f) Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs? ☐ ☐ ☒ ☐

Reference: *L.A. CEQA Thresholds Guide* (Section M.3); California Integrated Waste Management Board

Comment: A significant impact may occur if the proposed project were to increase solid waste generation to a degree that existing and projected landfill capacities would be insufficient to accommodate the additional waste.

Excavated materials and debris would be disposed of at local landfills. The Chiquita Canyon Sanitary Landfill has a remaining capacity of 35,800,000 cubic yards (as of 2003) and is scheduled to cease operations in November of 2019. The Puente Hills Landfill has a remaining capacity of 49,348,500 cubic yards (as of 2006) and is scheduled to cease operations in October of 2013. The soil on the project site is not known to be contaminated and some would be suitable for backfill. Unsuitable soil and soil that could not be used at other construction sites would be disposed at these landfills, where some of the soil may be suitable for use as needed daily cover.

During operation, trash and debris collected from the Park would be nominal in volume and similar to existing conditions. In addition, it is expected that a nominal amount of trash would be removed from the hydrodynamic separators during operation. Existing landfills have sufficient capacity to accommodate this small amount of solid waste from the proposed project. Therefore, the proposed project would result in less than significant impacts related to solid waste disposal. No further analysis of this issue is required.

- g) Comply with federal, state, and local statutes and regulations related to solid waste? ☐ ☐ ☐ ☒

Reference: *L.A. CEQA Thresholds Guide* (Section M.3)

Comment: A significant impact may occur if the proposed project would generate solid waste that was in excess of or was not disposed of in accordance with applicable regulations.

Solid waste disposal during construction and operation would comply with federal, state, local statutes and regulations related to solid waste. Therefore, less than significant impacts are anticipated and no further analysis of this issue is required.

18. MANDATORY FINDINGS OF SIGNIFICANCE

- a) Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory? ☐ ☒ ☐ ☐

Reference: Preceding analyses

Comment: See comments for 4 (a) through (e) above related to biological resources. The construction phase of the proposed project has the potential to threaten a plant or animal community on the project site. However, to reduce any potential effects, mitigation measures

Issues	Potentially Significant Impact	Potentially Signif. Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
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would be implemented.

See comments for 5 (a) through (c) above related to cultural resources. In 2006, the City designated the Park as HCM No. 836. Features contributing to this designation were the Spanish Colonial Revival-style architecture in the Park, English-style landscaping, and defining characteristics including the Lake itself, the footbridge, perimeter paths, boathouse, recreation building, lotus beds, and the Park's unusual trees. Eight historic or potentially historic properties are located within or adjacent to the project site, including Angelus Temple to the north of the project site. The boathouse located on the project site was determined to be eligible National Register of Historic Places. The Echo Park Recreation Center building located on the south side of Bellevue Avenue was determined to be a contributor to a National Register of Historic Places district. Mitigation measures would be required to ensure that no historical resources are adversely impacted by the construction of the proposed project.

Therefore, the proposed project may result in potentially significant impacts. Further analyses of these issues are required.

- b) Does the project have impacts that are individually limited, but cumulatively considerable? ("cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?

☒ ☐ ☐ ☐

Reference: Preceding analyses

Comment: The proposed project may result in potentially significant impacts in the areas of air quality, GHG emissions, and construction traffic due to the large number of heavy-duty construction trucks needed for sediment and other materials hauling. If feasible, mitigation measures would be proposed to reduce impacts to a less than significant level. However, there is the potential for these impacts to result in cumulatively considerable temporary construction impacts. Further analysis of this issue is required.

- c) Does the project have the potential to achieve short-term environmental goals to the disadvantage of long-term environmental goals?

☒ ☐ ☐ ☐

Reference: Preceding analyses

Comment: The purpose of the proposed project is to improve both the short-term and long-term water quality of the Los Angeles River Watershed. The project is anticipated to have positive long term impacts to water quality. Therefore, the proposed project would result in less than significant impacts and no further analysis of this issue is required.

- d) Does the project have environmental effects that will cause substantial adverse effects on human beings, either directly or indirectly?

☒ ☐ ☐ ☐

Reference: Preceding analyses

Comment: The proposed project has the potential to cause substantial adverse effects on human beings directly or indirectly during the construction phase of the proposed project. Further technical analysis in the areas of air quality and noise will determine feasible mitigation measures to reduce any impacts on human beings.

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V. PREPARATION AND CONSULTATION

A. Preparer

EDAW AECOM (Environmental Consultant)
515 South Flower Street, 9th Floor
Los Angeles, CA 90071
Eric Wilson, Principal
Shannon Daniels, Project Manager

B. Coordination and Consultation

City of Los Angeles
Department of Public Works
Bureau of Engineering
Proposition O Bond Program
1149 South Broadway, Suite 600
Los Angeles, CA 90015
Maria E. Martin, Environmental Supervisor I
Alfred Mata, Project Manager

City of Los Angeles
Department of Recreation and Parks
221 North Figueroa Street, 1st Floor
Los Angeles, CA 90012
David Attaway, Environmental Supervisor

City of Los Angeles
Department of Public Works
Bureau of Sanitation
1149 South Broadway, Suite 900
Los Angeles, CA 90015
Steven Nikaido, Civil Engineer

Black & Veatch (Engineering Consultant)
800 Wilshire Boulevard, Suite 600
Los Angeles, CA 90017
Hala Titus, Project Manager
Jim Rasmus, Engineering Manager

VI. DETERMINATION - RECOMMENDED ENVIRONMENTAL DOCUMENTATION

The City of Los Angeles is implementing a Clean Water Bond Program approved by voters in November 2004 as Proposition O (Prop O). Prop O authorized the City to issue a series of general obligation bonds for up to \$500 million for projects to protect public health by cleaning up pollution in the City's watercourses, beaches, and ocean. The measure also funds improvements to protect water quality, provide flood protection, and increase water conservation, habitat protection, and open space.

A component of the Prop O Program is the Echo Park Lake Rehabilitation Project (proposed project). A Pre-Design Report was prepared to identify and describe the proposed project, describe the extensive investigations undertaken at the project site, discuss preliminary budget and schedule information, and present recommendations for proposed project implementation. The project description and analysis presented in this Initial Study is based on the information presented in the Pre-Design Report.

In 2006, the City designated the Park as Historic-Cultural Monument (HCM) No. 836. Features contributing to this designation were the Spanish Colonial Revival-style architecture in the Park, English-style landscaping, and defining characteristics including the Lake itself, the footbridge, perimeter paths, boathouse, recreation building, lotus beds, and the Park's unusual trees.

The main objectives of the proposed project are to:

- Improve the water quality in the Lake and contribute to water quality improvement in the Los Angeles River Watershed.
- Reduce the use of municipal water required to maintain the water level of the Lake.
- Comply with the Regional Water Quality Control Board's intent to restore the existing and potential beneficial water quality uses in the Lake. The existing beneficial uses include non-contact water recreation (REC-2) and wildlife habitat (WILD). The potential beneficial uses include municipal and domestic water supply (MUN), warm freshwater habitat (WARM), and wetland habitat (WET).
- Assist the City in meeting the current and future total maximum daily load (TMDL) requirements.
- Implement multi-purpose solutions at the Lake, consistent with the Prop O objectives of water supply, water quality, flood reduction, storm water use, and recreation.

Echo Park Lake (Park) has been a part of the City's history for more than 150 years. Historical records indicate that Echo Park Lake (Lake) was originally built as a water supply reservoir in the 1860s. Over time, the use of the Lake was transformed to that of a detention basin in the storm drainage system, providing hydraulic relief during storm events. The State of California has identified the Lake as an impaired water body with the following types of water quality issues: algae, ammonia, eutrophic conditions, copper, lead, odor, polychlorinated biphenyls (PCBs), trash, and pH. As a result, the City is proposing to implement in-lake improvements; vegetation, habitat and park improvements; and parkland structural best management practices at the Lake. The proposed project would be consistent with the Regional Water Quality Control Board's intent to restore the existing and potential beneficial water quality uses in the Lake.

The proposed project includes the following key components:

- Install a new Lake liner
- Construct wetland areas within the Lake to help achieve water quality objectives in the Lake
- Construct a new Lake outlet
- Construct a partition berm in the Lake to comply with California Division of Safety of Dams (DSOD) requirements
- Construct a recirculation pump and piping system to circulate the Lake water
- Modify existing storm drains inletting to the Lake to divert low flow urban runoff into the Lake
- Place aquatic emergent plants at various points along the Lake edge
- Various improvements to the Lake's edge and areas adjacent to the Lake's edge
- Replace a majority of the existing asphalt pathway around the Lake perimeter with pervious materials

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- Construct hydrodynamic separators in the existing storm drain systems to remove trash and debris
- Construct rain gardens and grassy swales around the Lake
- Upgrade the irrigation system to improve efficiency

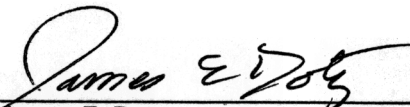
As described in this Initial Study, the proposed project may result in significant impacts and would require the implementation of mitigation measures. Further analysis of these environmental issues should be provided in an EIR.

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B. Recommended Environmental Documentation

On the basis of this initial evaluation, I find that the proposed project would have a significant effect on the environment, and an **Environmental Impact Report** should be prepared.

Reviewed by: 
Maria E. Martin
Environmental Supervisor I

Reviewed by: 
James E. Doty
Environmental Supervisor II

Approved by: 
Ara Kasparian, Ph.D., Manager
Environmental Management Group

INITIAL STUDY
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VIII. REFERENCES:

Black & Veatch, *Echo Park Lake Rehabilitation Project Permitting Requirements*, 2009

Black & Veatch, *Echo Park Lake Rehabilitation Project Wildlife Relocation Plan*, 2009

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<http://www.arb.ca.gov/desig/adm/adm.htm#state>

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Department of Public Works, Watershed Management – Los Angeles River Watershed at
<http://ladpw.org/wmd/watershed/LA/>

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City of Los Angeles, *City of Los Angeles General Plan*

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City of Los Angeles Department of Public Works, *Standard Specification for Public Works Construction*

City of Los Angeles, *L.A. CEQA Thresholds Guide*, 2006.

City of Los Angeles Municipal Code, Chapter I (Planning and Zoning Code) at
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City of Los Angeles, Zone Information and Map Access System (ZIMAS) at <http://zimas.lacity.org/>

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FEMA, Flood Insurance Rate Map No. 06037C1610F, September 26, 2008 at
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Office of Planning and Research, *Proposed Amendments to CEQA Guidelines*, 2009.

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State of California, Uniform Building Code

State Water Resources Control Board, *Geotracker*



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04/14
G

Kendrick Okuda, Program Manager
Prop O Clean Water Bond
Bureau of Engineering
1149 S. Broadway, 6th floor
Los Angeles, CA 90015

April 20, 2009

Dear Mr. ~~Okuda~~: *Cianna*

2009 APR 21 PM 1:17
CITY ADMINISTRATIVE OFFICE

The Los Angeles Audubon Society has followed with great interest the activities of the Proposition O projects overseen by the Bureau of Engineering. We have particular concerns about the progress of the Echo Park Lake Rehabilitation Project.

According to the Proposition O Program Master Schedule (January 2009 report), construction on the Echo Park Lake Rehabilitation Project is scheduled to beginning in late 2010-early 2011. This is right in the middle of the fall-winter bird migration season.

The Echo Park Rehabilitation Project Concept Report and Technical Memo 4 – Wildlife Relocation Plan includes a listing of birds that have been reported at the park during the Christmas Bird Counts, starting in the year 2000. To date, about 70 species have been noted at the lake.

Wetlands are at a premium in California and scientific reporting over the years indicates that about 90-95% of our natural wetlands have disappeared. This means even a small lake like Echo Park Lake is important for migrating birds.

We have two suggestions to maintain the lake for usage by wild birds while construction is underway.

1. Keep the lake partially filled with water, particularly during the migration season. The north end of the lake (near the storm drain and near the lotus pond) is shallower than the middle and southern sections. A temporary dam or berm could be put in place to retain water there. When work on the larger section of the lake is complete, it could be refilled and then work can begin on the north end of the lake.

2. Delay construction until the end of the 2010-2011 migration season to allow a complete migration cycle. This will especially benefit the great blue herons that have been nesting at the lake each year for the last five years.

There is another benefit to waiting until spring of that year to drain the lake — more hours of daylight. Indeed, would it not be possible to take advantage of the longer days to work longer hours? Perhaps a schedule can be worked out to have the lake work completed before the start of the next migration season (the fall of 2011) and then refill the lake for that season's visiting birds.

We look forward to receiving your comments.

Yours truly,



Mary Loquvam
Executive Director
Los Angeles Audubon Society
323.664.1294
maryloquvam@laaudubon.org

cc: Eric Garcetti, Los Angeles City Council President
Raymond P. Ciranna, Interim City Administrative Officer, Administrative Oversight Committee
Adi Liberman, Adi Liberman & Associates, Co-Chair: Citizens Oversight Advisory Committee
Mitch O'Farrell, Council Member Garcetti's District Office

Rec 9/17/09 CMG/mm



ARNOLD SCHWARZENEGGER
GOVERNOR

STATE OF CALIFORNIA
GOVERNOR'S OFFICE *of* PLANNING AND RESEARCH
STATE CLEARINGHOUSE AND PLANNING UNIT



CYNTHIA BRYANT
DIRECTOR

Notice of Preparation

September 10, 2009

To: Reviewing Agencies

Re: Echo Park Lake Rehabilitation Project
SCH# 2009091036

Attached for your review and comment is the Notice of Preparation (NOP) for the Echo Park Lake Rehabilitation Project draft Environmental Impact Report (EIR).

Responsible agencies must transmit their comments on the scope and content of the NOP, focusing on specific information related to their own statutory responsibility, within 30 days of receipt of the NOP from the Lead Agency. This is a courtesy notice provided by the State Clearinghouse with a reminder for you to comment in a timely manner. We encourage other agencies to also respond to this notice and express their concerns early in the environmental review process.

Please direct your comments to:

Maria Martin
City of Los Angeles, Bureau of Engineering
1149 S. Broadway, Suite 600
Los Angeles, CA 90015

with a copy to the State Clearinghouse in the Office of Planning and Research. Please refer to the SCH number noted above in all correspondence concerning this project.

If you have any questions about the environmental document review process, please call the State Clearinghouse at (916) 445-0613.

Sincerely,

Scott Morgan
Assistant Deputy Director & Senior Planner, State Clearinghouse

Attachments
cc: Lead Agency

**Document Details Report
State Clearinghouse Data Base**

SCH# 2009091036
Project Title Echo Park Lake Rehabilitation Project
Lead Agency Los Angeles, City of

Type NOP Notice of Preparation

Description The project would be consistent with the Regional Water Quality Control Board's intent to restore the existing and potential beneficial water quality uses in the Lake. The project would include a new Lake liner, new wetland areas, a Lake outlet, a partition berm in the Lake to comply with California Division of Safety of Dams requirements, a recirculation pump and piping system to circulate the Lake water, modification of existing storm drains inletting to the Lake to divert low flow urban runoff into the Lake, aquatic emergent plants at various points along the Lake edge, various improvements to the Lake's edge and areas adjacent to the Lake's edge, replacement of a majority of the existing asphalt pathway around the Lake perimeter with pervious materials, hydrodynamic separators, rain gardens and grassy swales, and an upgrade of the irrigation system.

Lead Agency Contact

Name Maria Martin
Agency City of Los Angeles, Bureau of Engineering
Phone (213) 485-5753 **Fax**
email
Address 1149 S. Broadway, Suite 600
City Los Angeles **State** CA **Zip** 90015

Project Location

County Los Angeles
City Los Angeles, City of
Region
Cross Streets ECHO Park Ave. & Bellevue Ave.
Lat / Long 34° 4' 21.8" N / 118° 15' 32.5" W
Parcel No. 5404-015-900
Township **Range** **Section** **Base**

Proximity to:

Highways US 101, SR 110, I-5, SR 2
Airports
Railways UPRR
Waterways Echo Park Lake and Silver Lake
Schools Logan Street Elem
Land Use Open Space General Plan land use; Open Space (OS) zoning

Project Issues Aesthetic/Visual; Air Quality; Archaeologic-Historic; Biological Resources; Noise; Recreation/Parks; Toxic/Hazardous; Traffic/Circulation; Vegetation; Water Quality; Water Supply; Wetland/Riparian; Cumulative Effects

Reviewing Agencies Resources Agency; Department of Parks and Recreation; Department of Water Resources; Native American Heritage Commission; Department of Fish and Game, Region 5; California Highway Patrol; Caltrans, District 7; Department of Toxic Substances Control; Regional Water Quality Control Board, Region 4

Date Received 09/10/2009 **Start of Review** 09/10/2009 **End of Review** 10/12/2009

NOP Distribution List

County: LOS Angeles

SCH# 2009091036

Resources Agency

Resources Agency
Nadell Gayou

Dept. of Boating & Waterways
Mike Sotelo

California Coastal
Commission
Elizabeth A. Fuchs

Colorado River Board
Gerald R. Zimmerman

Dept. of Conservation
Rebecca Salazar

California Energy
Commission
Dale Edwards

Cal Fire
Allen Robertson

Office of Historic
Preservation
Wayne Donaldson

Dept of Parks & Recreation
Environmental Stewardship
Section

Central Valley Flood
Protection Board
Jon Yego

S.F. Bay Conservation &
Dev't. Comm.
Steve McAdam

Dept. of Water Resources
Resources Agency
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Conservancy

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Scott Flint
Environmental Services Division

Fish & Game Region 1
Donald Koch

Fish & Game Region 1E
Laurie Harnsberger

Fish & Game Region 2
Jeff Drongesen

Fish & Game Region 3
Robert Floerke

Fish & Game Region 4
Julie Vance

Fish & Game Region 5
Don Chadwick
Habitat Conservation Program

Fish & Game Region 6
Gabrina Gatchel
Habitat Conservation Program

Fish & Game Region 6 I/M
Gabrina Gatchel
Inyo/Mono, Habitat Conservation
Program

Dept. of Fish & Game M
George Isaac
Marine Region

Other Departments

Food & Agriculture
Steve Shaffer
Dept. of Food and Agriculture

Dept. of General Services
Public School Construction

Dept. of General Services
Anna Garbeff
Environmental Services Section

Dept. of Public Health
Bridgette Binning
Dept. of Health/Drinking Water

Independent

Commissions, Boards

Delta Protection Commission
Linda Flack

Office of Emergency Services
Dennis Castrillo

Governor's Office of Planning
& Research
State Clearinghouse

Native American Heritage
Comm.
Debbie Treadway

Public Utilities Commission
Leo Wong

Santa Monica Bay Restoration
Guangyu Wang

State Lands Commission
Marina Brand

Tahoe Regional Planning
Agency (TRPA)
Cherry Jacques

Business, Trans & Housing

Caltrans - Division of
Aeronautics
Sandy Hesnard

Caltrans - Planning
Terri Pencovic

California Highway Patrol
Scott Loetscher
Office of Special Projects

Housing & Community
Development
CEQA Coordinator
Housing Policy Division

Dept. of Transportation

Caltrans, District 1
Rex Jackman

Caltrans, District 2
Marcelino Gonzalez

Caltrans, District 3
Bruce de Terra

Caltrans, District 4
Lisa Carboni

Caltrans, District 5
David Murray

Caltrans, District 6
Michael Navarro

Caltrans, District 7
Elmer Alvarez

Caltrans, District 8
Dan Kopulsky

Caltrans, District 9
Gayle Rosander

Caltrans, District 10
Tom Dumas

Caltrans, District 11
Jacob Armstrong

Caltrans, District 12
Chris Herre

Cal EPA

Air Resources Board

Airport Projects
Jim Lerner

Transportation Projects
Douglas Ito

Industrial Projects
Mike Tollstrup

California Integrated Waste
Management Board
Sue O'Leary

State Water Resources Control
Board
Regional Programs Unit
Division of Financial Assistance

State Water Resources Control
Board
Student Intern, 401 Water Quality
Certification Unit
Division of Water Quality

State Water Resources Control Board
Steven Herrera
Division of Water Rights

Dept. of Toxic Substances Control
CEQA Tracking Center

Department of Pesticide Regulation
CEQA Coordinator

Regional Water Quality Control Board (RWQCB)

RWQCB 1
Cathleen Hudson
North Coast Region (1)

RWQCB 2
Environmental Document
Coordinator
San Francisco Bay Region (2)

RWQCB 3
Central Coast Region (3)

RWQCB 4
Teresa Rodgers
Los Angeles Region (4)

RWQCB 5S
Central Valley Region (5)

RWQCB 5F
Central Valley Region (5)
Fresno Branch Office

RWQCB 5R
Central Valley Region (5)
Redding Branch Office

RWQCB 6
Lahontan Region (6)

RWQCB 6V
Lahontan Region (6)
Victorville Branch Office

RWQCB 7
Colorado River Basin Region (7)

RWQCB 8
Santa Ana Region (8)

RWQCB 9
San Diego Region (9)

Other _____

Last Updated on 03/24/2009



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

Rec 9/17/09
EMG/mm

September 15, 2009

Ms. Maria Martin, Environmental Supervisor
City of Los Angeles Department of Public Works
Bureau of Engineering, EMG
1149 S. Broadway, Suite 600, Mail Stop 939
Los Angeles, CA 90015

Dear Ms. Martin:

Notice of Preparation of a Draft Environmental Impact Report (Draft EIR) for the Echo Park Lake Rehabilitation Project

The South Coast Air Quality Management District (SCAQMD) appreciates the opportunity to comment on the above-mentioned document. The SCAQMD's comments are recommendations regarding the analysis of potential air quality impacts from the proposed project that should be included in the draft environmental impact report (EIR). Please send the SCAQMD a copy of the Draft EIR upon its completion. **In addition, please send with the draft EIR all appendices or technical documents related to the air quality analysis and electronic versions of all air quality modeling and health risk assessment files. Electronic files include spreadsheets, database files, input files, output files, etc., and does not mean Adobe PDF files. Without all files and supporting air quality documentation, the SCAQMD will be unable to complete its review of the air quality analysis in a timely manner. Any delays in providing all supporting air quality documentation will require additional time for review beyond the end of the comment period.**

Air Quality Analysis

The SCAQMD adopted its California Environmental Quality Act (CEQA) Air Quality Handbook in 1993 to assist other public agencies with the preparation of air quality analyses. The SCAQMD recommends that the Lead Agency use this Handbook as guidance when preparing its air quality analysis. Copies of the Handbook are available from the SCAQMD's Subscription Services Department by calling (909) 396-3720. Alternatively, the lead agency may wish to consider using the California Air Resources Board (CARB) approved URBEMIS 2007 Model. This model is available on the SCAQMD Website at: www.urbemis.com.

The Lead Agency should identify any potential adverse air quality impacts that could occur from all phases of the project and all air pollutant sources related to the project. Air quality impacts from both construction (including demolition, if any) and operations should be calculated. Construction-related air quality impacts typically include, but are not limited to, emissions from the use of heavy-duty equipment from grading, earth-loading/unloading, paving, architectural coatings, off-road mobile sources (e.g., heavy-duty construction equipment) and on-road mobile sources (e.g., construction worker vehicle trips, material transport trips). Operation-related air quality impacts may include, but are not limited to, emissions from stationary sources (e.g., boilers), area sources (e.g., solvents and coatings), and vehicular trips (e.g., on- and off-road tailpipe emissions and entrained dust). Air quality impacts from indirect sources, that is, sources that generate or attract vehicular trips should be included in the analysis.

The SCAQMD has developed a methodology for calculating PM_{2.5} emissions from construction and operational activities and processes. In connection with developing PM_{2.5} calculation methodologies, the SCAQMD has also developed both regional and localized significance thresholds. The SCAQMD requests that the lead agency quantify PM_{2.5} emissions and compare the results to the recommended PM_{2.5} significance thresholds. Guidance for calculating PM_{2.5} emissions and PM_{2.5} significance thresholds can be found at the following internet address:
http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html.

In addition to analyzing regional air quality impacts the SCAQMD recommends calculating localized air quality impacts and comparing the results to localized significance thresholds (LSTs). LST's can be used in addition to the recommended regional significance thresholds as a second indication of air quality impacts when preparing a CEQA document. Therefore, when preparing the air quality analysis for the proposed project, it is recommended that the lead agency perform a localized significance analysis by either using the LSTs developed by the SCAQMD or performing dispersion modeling as necessary. Guidance for performing a localized air quality analysis can be found at <http://www.aqmd.gov/ceqa/handbook/LST/LST.html>.

In the event that the proposed project generates or attracts vehicular trips, especially heavy-duty diesel-fueled vehicles, it is recommended that the lead agency perform a mobile source health risk assessment. Guidance for performing a mobile source health risk assessment ("Health Risk Assessment Guidance for Analyzing Cancer Risk from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis") can be found on the SCAQMD's CEQA web pages at the following internet address: http://www.aqmd.gov/ceqa/handbook/mobile_toxic/mobile_toxic.html. An analysis of all toxic air contaminant impacts due to the decommissioning or use of equipment potentially generating such air pollutants should also be included.

Mitigation Measures

In the event that the project generates significant adverse air quality impacts, CEQA requires that all feasible mitigation measures that go beyond what is required by law be utilized during project construction and operation to minimize or eliminate significant adverse air quality impacts. To assist the Lead Agency with identifying possible mitigation measures for the project, please refer to Chapter 11 of the SCAQMD CEQA Air Quality Handbook for sample air quality mitigation measures. Additional mitigation measures can be found on the SCAQMD's CEQA web pages at the following internet address: www.aqmd.gov/ceqa/handbook/mitigation/MM_intro.html. Additionally, SCAQMD's Rule 403 – Fugitive Dust, and the Implementation Handbook contain numerous measures for controlling construction-related emissions that should be considered for use as CEQA mitigation if not otherwise required. Other measures to reduce air quality impacts from land use projects can be found in the SCAQMD's Guidance Document for Addressing Air Quality Issues in General Plans and Local Planning. This document can be found at the following internet address: <http://www.aqmd.gov/prdas/aqguide/aqguide.html>. In addition, guidance on siting incompatible land uses can be found in the California Air Resources Board's Air Quality and Land Use Handbook: A Community Perspective, which can be found at the following internet address: <http://www.arb.ca.gov/ch/handbook.pdf>. Pursuant to state CEQA Guidelines §15126.4 (a)(1)(D), any impacts resulting from mitigation measures must also be discussed.

Data Sources

SCAQMD rules and relevant air quality reports and data are available by calling the SCAQMD's Public Information Center at (909) 396-2039. Much of the information available through the Public Information Center is also available via the SCAQMD's World Wide Web Homepage (<http://www.aqmd.gov>).

The SCAQMD is willing to work with the Lead Agency to ensure that project-related emissions are accurately identified, categorized, and evaluated. Please call Daniel Garcia, Air Quality Specialist, CEQA Section, at (909) 396-3304 if you have any questions regarding this letter.

Sincerely,



Susan Nakamura

Planning Manager

Planning, Rule Development and Area Sources

SS:DG:AK

LAC090910-03AK

Control Number



Metro

September 17, 2009

Ms. Maria Martin
Environmental Supervisor
City of Los Angeles Department of Public Works
Bureau of Engineering, EMG
1149 S. Broadway, Suite 600, Mail Stop 939
Los Angeles, CA 90015-2213

Dear Ms. Martin:

Thank you for the opportunity to comment on the Notice of Preparation (NOP) for the Echo Park Lake Rehabilitation Project. This letter conveys recommendations from the Los Angeles County Metropolitan Transportation Authority (Metro) concerning issues that are germane to our agency's statutory responsibilities in relation to the proposed project.

A Traffic Impact Analysis (TIA), with highway, freeway, and transit components, is required under the State of California Congestion Management Program (CMP) statute. The CMP TIA Guidelines are published in the "2004 Congestion Management Program for Los Angeles County", Appendix B. The geographic area examined in the TIA must include the following, at a minimum:

1. All CMP arterial monitoring intersections, including monitored freeway on/off-ramp intersections, where the proposed project will add 50 or more trips during either the a.m. or p.m. weekday peak hour (of adjacent street traffic); and
2. Mainline freeway-monitoring locations where the project will add 150 or more trips, in either direction, during either the a.m. or p.m. weekday peak hour.

Among the required steps for the analysis of development-related impacts to transit are:

3. Evidence that in addition to Metro, all affected Municipal transit operators received the NOP for the Draft EIR;
4. A summary of the existing transit services in the area;
5. Estimated project trip generation and mode assignment for both morning and evening peak periods;
6. Documentation on the assumptions/analyses used to determine the number and percentage of trips assigned to transit;
7. Information on facilities and/or programs that will be incorporated into the development plan that will encourage public transit usage and transportation demand management (TDM) policies and programs; and
8. An analysis of the expected project impacts on current and future transit services along with proposed project mitigation.

Metro looks forward to reviewing the Draft EIR. If you have any questions regarding this response, please call me at 213-922-6908 or by email at chapmans@metro.net. Please send the Draft EIR to the following address:

Metro CEQA Review Coordination
One Gateway Plaza MS 99-23-2
Los Angeles, CA 90012-2952
Attn: Susan Chapman

Sincerely,

A handwritten signature in blue ink, appearing to read "Susan Chapman", with a stylized flourish at the end.

Susan Chapman
Program Manager, Long Range Planning



Linda S. Adams
Secretary for
Environmental Protection



Department of Toxic Substances Control

Maziar Movassaghi, Acting Director
9211 Oakdale Avenue
Chatsworth, California 91311



Arnold Schwarzenegger
Governor

September 22, 2009

Ms. Maria Martin (Maria.Martin@lacity.org)
City of Los Angeles Department of Public Works
1149 S. Broadway, Suite 600, Mail Stop 939
Los Angeles, CA 90015

DRAFT ENVIRONMENTAL IMPACT REPORT FOR ECHO PARK LAKE
REHABILITATION PROJECT, LOS ANGELES, LOS ANGELES COUNTY
(SCH 2009091036)

Dear Ms. Martin:

The Department of Toxic Substances Control (DTSC) has reviewed the Notice of Preparation (NOP) dated September 10, 2009, for the subject project. The due date to submit comments is October 12, 2009. Based on a review of the NOP, DTSC would like to provide the following comments:

1. The proposed project consists of making improvements at the existing lake as part of implementing the Clean Water Bond Program.
2. Three open leaking underground storage tank (LUST) clean up sites are located within 0.25 miles from the project site. Contaminants associated with these LUST locations may have the potential to migrate to the site via groundwater and/or soil gas pathways. DTSC recommends that these environmental concerns be investigated using DTSC's *"Advisory – Active Soil Gas Investigations, dated January 2003"* and DTSC's *"Vapor Intrusion Guidance Document – Final Interim, dated December 15, 2004."*

If you would like to discuss this matter further, please contact me at (818) 717-6617 or kchiang@dtsc.ca.gov, or Grant Dalton at (818) 717-6619 or gdalton@dtsc.ca.gov.

Sincerely,

Ken Chiang
Senior Hazardous Substances Scientist
Brownfields and Environmental Restoration
cc: (see next page)

Ms. Maria Martin
September 22, 2009
Page 2

cc: State Clearinghouse (State.clearinghouse@opr.ca.gov)
Office of Planning and Research

Ms. Nancy Ritter (NRitter@dtsc.ca.gov)
DTSC CEQA Tracking Center – Sacramento HQ

School Reading File – Chatsworth (cwerry@dtsc.ca.gov)

CEQA Reading File – Chatsworth

DEPARTMENT OF TRANSPORTATION
DISTRICT 7, OFFICE OF PUBLIC
TRANSPORTATION AND REGIONAL PLANNING
IGR/CEQA BRANCH
100 SOUTH MAIN STREET
LOS ANGELES, CA 90012
PHONE (213) 897-6696
FAX (213) 897-1337



Flex your power!
Be energy efficient!

September 24, 2009

IGR/CEQA NOP CS/090913
City of Los Angeles
Echo Park Lake Rehabilitation Project
Vic. LA-101-2.42, SCH # 2009091036

Ms. Maria Martin
City of Los Angeles
Bureau of Engineering
1149 S. Broadway, Suite 600
Los Angeles, CA 90015

Dear Ms. Martin:

Thank you for including the California Department of Transportation (Caltrans) in the environmental review process for the Notice of Preparation (NOP) of an Environmental Impact Report for the Echo Park Lake Rehabilitation Project. The project site is located at 751 Echo Park Avenue. Based on the information received, we have the following comments:

We recommend that construction related truck trips on State Highways be limited to off-peak commute periods especially along congested commuter corridors such as the US-101 (Hollywood Freeway) located just to the south of the project site and State Route 2 (Alvarado Street/Glendale Boulevard/Glendale Freeway) located approximately 1 mile to the north. The contractor should avoid platooning of truck trips on mainline freeways, on freeway on/off-ramps and at freeway ramp intersections. Transport of over-size or over-weight vehicles on State Highways will need a Caltrans Transportation Permit.

Construction related staging areas should not occur near Echo Park Avenue and Bellevue Avenue (US-101 northbound off-ramp and on-ramp).

If you have any questions, you may reach me at (213) 897-6696 and please refer to our record number 090913/CS.

Sincerely,

A handwritten signature in cursive script, appearing to read "Elmer Alvarez".

ELMER ALVAREZ
IGR/CEQA Program Manager
Office of Regional Planning

cc: Scott Morgan, State Clearinghouse

From: <idatalalla@aol.com>
To: <Alfred.Mata@lacity.org>
Date: 9/28/2009 7:38 AM
Subject: PROP O

Greetings, Alfred:

Thanks for coming to the Park Advisory Board Meetings as well as keeping the community apprised about the Prop O Project.

My Comments on the Plan as seen last week:. Please forward as needed to be included in comments:

1. The filtering system has to be moved out of the park.
All trash cannot be allowed to sit around in the Lake until it gets cleaned out.
The system needs to be in the street itself where it can be cleaned out easily.
2. The pump house needs to be in keeping with the architecturally features noted on the boat House and the Recreation Center.

Can it be a combined with the present kayak/motor boat storage that lies next to the toilets by the Boat House?

3. The marsh/wet lands with broad walk to North East of Park that is planned in the Lake area adjacent to the Island, has to be re-thought.

(a) This is a refuge for the avian and reptile(turtles/tortoise) population.
Foot traffic has to be banned from the island.
If anything, with the loss of the wet land islands currently in place the island should be extended southwards/enlarged and a wading area offered to birds like the herons.

We need to see a better planned habitat than is currently in the plans.

(b) Cleaning marshland of debris and food dumped by people will be very labor intensive to remove.
The necklace of marshes around the sides of the Lake must be removed.

4. I see no data and no figures on the upkeep and maintenance of the site post Prop O.
Can we get some rough figures?
--- Does the Department of Recreation and Parks have resident biologist and botanist to make informed decisions on a daily basis?
The fact that a cormorant was left to suffer a painful

experience for some five days
entangled in fishing line before anything could be done is
unacceptable.

If a bird population is to be maintained, it should be
managed adequately
and in a humane manner.

5. I see no scientific information as to avian and reptile population
that area can
sustain.

(b) I see no plan as to the schedule related to the removal of the
wildlife

currently residing at the site and the number that are
migratory and domestic
or migratory and now domesticated year-round residents.

(c) The pigeon population explosion has to be addressed beginning
now.

How does Prop O plan to handle this?

(d) Mention was made to push the date the Prop O Project begins to
sometime April instead of January.

However, given the need of the avian population to raise its
young,

please review the mating and raising of young issues of this
avian population.

It would seem that this must be a concern. As late as the
Lotus Festival (July)

ducks were seen with ducklings.

Again, this needs to be clarified.

6. Sometime when Prop O begins, the Angelus Temple/Four Square Heritage
Foundation will commence with a huge 70+ high rise at the corner of
Glendale

and Park Avenue.

Has this been taken into consideration?

7. Little has been made of the numerous changes made to the lawn with
each staged

---- event at the site. Depending on floor/site plans,
cables are run throughout the
area

---- In addition, a great deal of cooking and food preparation
occurs in the north

east corner. Spilt oil and waste is inevitable.

--- In addition, the Fire Department trains at the lake,
running hose into/out of the
Lake

How does Prop O maintain the integrity of the site/water quality
post Prop O?

8. How does the City plan to address the concerns of pollution entering
the Lake

via storm drains after Prop O?

Where will the Lake Tour for Prop O meet on Tuesday. Please let me know.

With thanks.

Ida Talalla
Echo Park TAP (Trash Abatement Project)

DEPARTMENT OF WATER RESOURCES

1416 NINTH STREET, P.O. BOX 942836
SACRAMENTO, CA 94236-0001
(916) 653-5791



SEP 30 2009

Ms. Maria Martin
City of Los Angeles
Bureau of Engineering
1149 South Broadway, Suite 600
Los Angeles, California 90015

SCH #2009091036, Notice of Preparation for the Echo Park Lake Rehabilitation Project
Draft Environmental Impact Report, September 2009
Los Angeles County

Dear Ms. Martin:

We have reviewed the subject Notice for this project, which is being done to abate the illegal status of Echo Park Lake Dam. We are currently working with the City of Los Angeles on the design of the proposed remedial measures, which will require our approval prior to construction.

If you have any questions or need additional information, you may contact Office Engineer Mike Sutliff at (916) 227-4601 or Regional Engineer Shawn Jones at (916) 227-4600.

Sincerely,

Richard Wagner FS1

David A. Gutierrez, Chief
Division of Safety of Dams

cc: Ms. Nadell Gayou
Resources Agency Project Coordinator
Environmental Review Section, DPLA
901 P Street
Sacramento, California 95814

Governor's Office of Planning
and Research
State Clearinghouse
Post Office Box 3044
Sacramento, California 95812-3044

Daniels, Shannon

From: Jonathan Williams [saturnyellow@sbcglobal.net]
Sent: Wednesday, September 30, 2009 9:55 PM
To: Maria.Martin@lacity.org
Cc: Judith Raskin; jenny burman
Subject: Echo Park Lake, Prop O recommendation

Dear Ms. Martin,

I have been following plans for draining and rehabilitating the Echo Park Lake from the beginning of public hearings.

One issue, which has been consistently mentioned at meetings is the community's concern for wildlife living in the park. This wildlife, most notably birds, depends on our lake for nesting and general habitat. Additionally, citizens of Echo Park and the rest of Los Angeles who use the park do so in large part because of the variety of wildlife present there. People count on seeing birds nesting and raising young at Echo Park Lake.

I understand that no provision has been recommended through the Environmental Impact Report to provide water and nesting habitat for resident birds during the period of construction.

I urge that the designers consider partial retention of water in the lake during construction. Under this condition the existing population of water birds would at least have a chance of remaining to live in our park during construction and we would thereby have a hope that our birds would continue to thrive here in the newly constructed lake thereafter.

If the State of California Department of Fish and Game has not weighed in on this issue, they should. It seems to me unconscionable that birds in our park would not be at least partially provided for in the interim during construction.

Sincerely, Jonathan Williams

Jonathan Williams
1942 Lemoyne St.
Los Angeles, CA 90026
213 219-0855

Daniels, Shannon

From: Jaana Tarma [jaanatarma@crastinus.com]
Sent: Friday, October 02, 2009 6:56 AM
To: Maria.Martin@lacity.org
Subject: Enjoyed your write-up

Hi Maria,

Just a note to say that i found your write-up about the future of the lake very informative.

I am planning to purchase a property there, and it is good to know that Echo Park has people who care about the environment and the community feel of the area.

If you have some advice as to whom to turn in real estate matters I would really appreciate your advice. We are looking for something we could renovate, in a medium price range, maybe 300K.

Jest regards,

Jaana

=====
Jaana Tarma
Crastinus
London
Office +44 20 7727 3607
Mobile +44 777 333 0441
jaanatarma@crastinus.com
Associate of Institute for Independent Business
BUSINESS ADVICE THAT WORKS

JUDITH RASKIN 1833 Lemoyne Street, Los Angeles, CA 90026 (323) 663-6767
jayebea@att.net

October 4, 2009

Attn: Ms. Maria Martin, Environmental Supervisor
City of Los Angeles Department of Public Works
Bureau of Engineering, EMG
1149 S. Broadway, Suite 600, Mail Stop 939
Los Angeles, CA 90015-2213

Re Draft Environmental Report, Echo Park Rehabilitation Project
Echo Park Comments

Dear Sirs/Ms.:

Shortly after the Final Concept Report for this project was issued, the Echo Park Advisory Board wrote to the attention of Kendrick Okuda, outlining some concerns it had with several items discussed in the Report. (For easy reference, I am including a copy of that letter, dated August 27, 2007.)

Since that time, some of the PAB's questions have been addressed, but the matter concerning draining the lake and its effect on migratory birds is still open.

Below is the PAB comment from that letter:

2. On page 2-5, section 2.2, Current Environmental Setting, the document points out that the area containing the lotus beds is the shallowest part of the lake, where water levels are less than 2 feet, and that the lotus bed is contained behind an aquatic plant control dam (at the southern end of the lotus bed area) to keep sediments associated with the lotus plants from dispersing into the lake. The balance of the lake ranges in depth from 3 to 8 feet. The height of the perimeter walls range from 1.5 feet to 4 feet.

Over the past 7 years, a Christmas Bird Count has been done at Echo Lake. Additional counts have been done during other parts of the calendar years as well, and to date, over 60 species of birds have been identified. Most species have been seen during the fall through spring migration period.

We are concerned that draining the lake for an extended period of time will impact on Echo Lake's ability to function as a rest and refueling stop for birds. While Echo Lake is small, it does serve its purpose as a waystation during the migration season. Because so much of California's wetlands have already been lost, even a small area like Echo Lake is important.

We think the engineers should find a way to keep the lake partially filled with water during the migration season, either by the use of temporary dams or other means that would allow the lake bed to retain some water. For example, the height of the control dam at the end of the lotus beds could be increased. Due to the irregularity of the depth of the lake, other points could be selected to hold water to accommodate waterfowl during the reconstruction process.

From what I can see in the Initial Study, in the section labeled "Biological Resources," the BOE is already aware of "Potentially Signif. (Impact) Unless Mitigation Incorporated). Indeed, this box is checked for several items, including number 4, which discusses migratory birds and a wildlife removal plan.

I cannot find any reference in this document that you are considering partial retention of water in the lake during the migration season as a solution to the item referenced above. Nor can I find any reference that acknowledges that the migration season for birds is roughly from October to April. In view of the fact that your estimated start of construction is January 2011 – right in the middle of the migratory season when water birds need the lake most – I ask that you rethink both of these situations: Leave some water in the lake and hold off the beginning of construction until the migratory season comes to an end, around May, 2011.

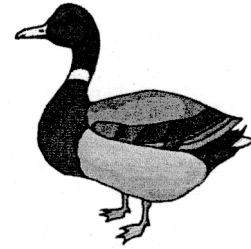
Yours truly,



Judith Raskin
(member, Park Advisory Board)

- COPY -

Echo Park Advisory Board



Echo Park Lake
Echo Park Recreation Center
Echo Park Pool

August 27, 2007

Mr. Kendrick Okuda, Program Manager
Bureau of Engineering
1149 South Broadway, 6th Floor
Los Angeles, CA 90015

Dear Mr. Okuda:

Re: Echo Park Lake Rehabilitation, Proposition O Project
Final Concept Report

The Park Advisory Board for Echo Park and its Lake have followed with great interest the progress of the Concept Report as it made its way to approval as a Proposition O project.

We have attended several of your meetings (both Administrative Oversight Committee and Citizens Oversight Advisory Committee) as well as City Council meetings dealing with this project. We have copies of the Final Concept Report and we have read it.

We wish to notify you of some concerns we have at this time.

1. On pages ES-1 and ES-2 of the Report, in the "Project Overview" section, it says that "attempting to address the bacteria issues through implementation of advanced technological means such as UV systems is not recommended." It says that inasmuch as bacterial loading in the lake is the result of natural causes, "best management practices (BMP)" is the way to address this problem.

We would like to know why technological means such as UV are not recommended. We would also like to know to the exact type of "best management practices" that you recommend instead of technological means to address high bacterial counts. Would you provide us with some details?

2. On page 2-5, section 2.2, Current Environmental Setting, the document points out that the area containing the lotus beds is the shallowest part of the lake, where water levels are less than 2 feet, and that the lotus bed is contained behind an aquatic plant control dam (at the southern end of the lotus bed area) to keep sediments associated with the lotus plants from dispersing into the lake. The balance of the lake ranges in depth from 3 to 8 feet. The height of the perimeter walls range from 1.5 feet to 4 feet.

Over the past 7 years, a Christmas Bird Count has been done at Echo Lake. Additional counts have been done during other parts of the calendar years as well, and to date, over 60 species of birds have been identified. Most species have been seen during the fall through spring migration period.

We are concerned that draining the lake for an extended period of time will impact on Echo Lake's ability to function as a rest and refueling stop for birds. While Echo Lake is small, it does serve its purpose as a waystation during the migration season. Because so much of California's wetlands have already been lost, even a small area like Echo Lake is important.

We think the engineers should find a way to keep the lake partially filled with water during the migration season, either by the use of temporary dams or other means that would allow the lake bed to retain some water. For example, the height of the control dam at the end of the lotus beds could be increased. Due to the irregularity of the depth of the lake, other points could be selected to hold water to accommodate waterfowl during the reconstruction process.

3. On page 3-5, in the section 3.3.1 In-Lake Basin and Storm Drain Improvements, the report addresses the matter of Lake Aeration. Currently, a pump house just to the south of the lotus ponds contains the machinery that controls the aeration system.

This is a rather unattractive brick structure set at a natural view point on the lake. We would like to ask that the replacement system be built underground or at a location that would not mar the view of the lake.

4. On page 3-13 through 3j-15, in the section 3.3.3 Parkland Structural BMPS, there is a section called "Educational Signage and Kiosks." This section only addresses signage and kiosks that would advise of the improvements that have been made to water quality.

The Echo Park PAB believes additional signage is necessary to advise park users of selected "park usage rules" to replace the missing signage or faded signs current on view. The type of notices on these signs would address matters such as dog walking, fishing, littering (including dumping of food), hours of operation, etc. There are no kiosks in Echo Park at this time, but we believe their inclusion at several places in the park would be beneficial to allow the display of both permanent and temporary notices. We think all signage should be in English, Spanish and other languages that reflect the language demographics of the community..

Ms. Judith Raskin, a member of the Echo Park PAB, is our Prop O information representative. She is the person you should add to your mailing lists for advisories or other documents relating to the project.

At this time, we are most anxious to know about your "pre-planning" meetings and the time line for community participation. We would also like to invite you to attend a future PAB meeting to discuss the project. Perhaps we can arrange a date in the month of October.

Yours truly,

Thomas L. DeBoe, Chairman
Mailing address:
650 Echo Park Avenue,
Los Angeles, CA 90026
213-482-4236

Members of the Park Advisory Board as of this date

Thomas L. DeBoe, chairman, tdeboe@sbcglobal.net
Isa-Kae Meksin, vice-chairman, meksin@meksin.cnc.net
Sara Jimenez McSweyn, secretary, mcsweyn@earthlink.net
Judith Raskin, Prop O information contact, echoparkcac@earthlink.net
Suzanne Kimbrough, markybarsh@aol.com
Ida Talalla, idatallala@aol.com
Dan Hammett, Echo Park Recreation Director, dan.hammett@lacity.org

Cc: Council president Eric Garcetti
Council member Ed Reyes

Alfred Mata, Bureau of Engineering

Daniels, Shannon

From: Mary Loquvam [maryloquvam@laaudubon.org]
Sent: Monday, October 05, 2009 7:29 AM
To: maria.martin@lacity.org
Subject: RE: Echo Park Prop O



LOS ANGELES AUDUBON SOCIETY

Plummer Park - West Hollywood, PO Box 931057, Los Angeles, CA 90093-1057

Tel: (323) 876-0202, (888) 522-7428 Fax: (323) 876-7609

Website: www.LAAudubon.org E-mail: LAAS@LAAudubon.org

Attn: Ms. Maria Martin, Environmental Supervisor
City of Los Angeles Department of Public Works
Bureau of Engineering, EMG
1149 S. Broadway, Suite 600, Mail Stop 939
Los Angeles, CA 90015-2213

October 4, 2009

Dear Ms. Martin

The Los Angeles Audubon Society has followed with great interest the activities of the Proposition O projects overseen by the Bureau of Engineering. We have particular concerns about the progress of the Echo Park Lake Rehabilitation Project.

According to the Proposition O Program Master Schedule (January 2009 report), construction on the Echo Park Lake Rehabilitation Project is scheduled to beginning in late 2010-early 2011. This is right in the middle of the fall-winter bird migration season.

The Echo Park Rehabilitation Project Concept Report and Technical Memo 4 – Wildlife Relocation Plan includes a listing of birds that have been reported at the park during the Christmas Bird Counts, starting in the year 2000. To date, about 70 species have been noted at the lake.

Wetlands are at a premium in California and scientific reporting over the years indicates that about 90-95% of our natural wetlands have disappeared. This means even a small lake like Echo Park Lake is important for migrating birds.

We have two suggestions to maintain the lake for usage by wild birds while construction is underway.

1. Keep the lake partially filled with water, particularly during the migration season. The north end of the lake (near the storm drain and near the lotus pond) is shallower than the middle and southern sections. A temporary dam or berm could be put in place to retain water there. When work on the larger section of the lake is complete, it could be refilled and then work can begin on the north end of the lake.

2. Delay construction until the end of the 2010-2011 migration season to allow a complete migration cycle. This will especially benefit the great blue herons that have been nesting at the lake each year for the last five years.

There is another benefit to waiting until spring of that year to drain the lake —more hours of daylight. Indeed, would it not be possible to take advantage of the longer days to work longer hours? Perhaps a schedule can be worked out to have the lake work completed before the start of the next migration season (the fall of 2011) and then refill the lake for that season's visiting birds.

We look forward to receiving your comments.

Yours truly,



Mary Loquvam
Executive Director
Los Angeles Audubon Society
323.664.1294
maryloquvam@laudubon.org

cc: Eric Garcetti, Los Angeles City Council President
Raymond P. Ciranna, Interim City Administrative Officer, Administrative Oversight Committee
Adi Liberman, Adi Liberman & Associates, Co-Chair: Citizens Oversight Advisory Committee
Mitch O'Farrell, Council Member Garcetti's District Office
Lupe M. Vela, Chief Deputy on the Los Angeles River, Council Member Ed Ryeyes's

DEPARTMENT OF
CITY PLANNING
OFFICE OF HISTORIC RESOURCES
200 N. SPRING STREET, ROOM 620
LOS ANGELES, CA 90012-4801
(213) 978-1200

CULTURAL HERITAGE COMMISSION

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MAYOR

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www.planning.lacity.org

October 5, 2009

Ms. Maria Martin, Environmental Supervisor
City of Los Angeles, Department of Public Works
Bureau of Engineering, EMG
1149 S. Broadway, Suite 600, Mail Stop 939
Los Angeles, CA 90015-2213

RE: ECHO PARK EIR NOP COMMENTS

Dear Ms. Martin,

Thank you for the opportunity to submit comments on the Notice of Preparation for the Echo Park Rehabilitation project Environmental Impact Report. On behalf of the Cultural Heritage Commission, the following comments are made:


1. The Initial Study should identify the Cultural Heritage Commission as a review/approval body for the proposed project since the property is Historic-Cultural Monument No. 836. (Initial Study page 8)
2. There is potentially conflicting information presented in the Initial Study item 18 – Mandatory Findings of Significance - and the Draft Cultural Resources Report (September 2008). The Mandatory Findings of Significance states that “Mitigation measures would be required to ensure that no historical resources are adversely impacted by the construction of the proposed project.” (Initial Study page 40) The Draft Cultural Resources Report states that additional wetland vegetation is an acceptable addition to the lake (page 66). The mitigation measure identified is the application and use of the Secretary of the Interior’s Standards for the Treatment of Historic Properties with Guidelines for the Treatment of Cultural Landscapes (Guidelines). The design concepts presented to date show a potential adverse impact to the historic character of the lake and lake edge as it relates to the simplicity of the open body of water that is a character-defining feature of the historic resource. The Guidelines recommend against such alterations. Modifying the lake’s edge and the introduction of new wetland areas may be an unavoidable adverse impact. Alternatively, designs that are compatible with the Guidelines may need to be explored.

Maria Martin
Echo Park EIR NOP Comments
October 5, 2009
Page 2 of 2

3. The Draft Cultural Resources Report states "Avoid the addition of designed structures in the lake such as new islands, new bridges, boardwalks, or cantilevered walks." (page 63) The project includes the addition of a boardwalk and a cantilevered walk that may be in conflict with the Report.

We are eager to have the team present the project concept to the Cultural Heritage Commission during the EIR process. The Commission meets the first and third Thursdays of the month. Please let us know when you would like to present. I may be reached at (213) 978-1183.

Sincerely,

A handwritten signature in black ink, appearing to read 'L. Giessinger', with a long horizontal flourish extending to the right.

Lambert M. Giessinger, Architect
Office of Historic Resources

c. Cultural Heritage Commission

Rec 10/6/09
mm

COMMENTS ON THE ENVIRONMENTAL IMPACT OF
THE PROPOSED IMPROVEMENT PLAN FOR ECHO PARK LAKE

Submitted by Mary Steffens, Echo Park, October 5, 2009

1. The greatest environmental impact will be on the resident wildlife, particularly the birds who live and nest there year round: the black crowned night herons, coots, mallards, the great white-fronted geese, the flock of white geese and the lone small black goose. The geese in particular have an established pecking order. Some have been injured and no longer fly. The most humane protective option would be to begin the construction phase by draining a section adjacent to the island sanctuary and prepare and plant a wetland there. This will minimize the trauma of the resident birds by giving them a refuge while the rest of the lake is rehabilitated.

Nesting occurs in Spring. The construction phase should begin in May, not January. Again, constructing a wetland area as the first order of business will allow some nesting to occur. The island palms and tall pines should be retained for the great blue heron nests.

2. The lotus recovery plan will fail if the turtle population is allowed to remain. Over the years people have released turtle pets into the lake, mostly red-eared sliders. This population has exploded. They are rapacious eaters of baby ducks (by pulling them under water) and young lotus shoots. Signage in English, Spanish and Chinese is needed to educate people about the danger turtles pose to infant wildlife and baby lotuses.
3. Trees: Echo Park Lake is home to some old and unusual trees. The Hibiscus tree, the Melaleucas, and the seven African Wattles (*Peltophorum africanum*) come immediately to mind. The African Wattles are so rare in fact that they have been declared city Heritage Trees. Equally rare are the two Dawn Redwoods (*Metasequoia glyptostroboides*) on the Glendale Bl. side of the lake. These water-loving deciduous redwoods are extremely rare in Southern California simply because they require more water than our climate provides. Hence their lakeside location has been perfect. Their roots actually form a beautiful lake edge wall. The proposed wetland for that area needs to be constructed so these trees continue to receive the water they need. The lake park will not be improved at all if the old and established landmark trees are removed.

Thank you for the opportunity to make these
Comments. Sincerely,

Mary Steffens
1865 Lombryne St.
Los Angeles, Ca. 90026



ANTONIO R. VILLARAIGOSA
Mayor

Commission
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EDITH RAMIREZ, *Vice President*
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BARBARA E. MOSCHOS, *Secretary*

H. DAVID NAHAI,
Chief Executive Officer and General Manager

October 7, 2009

Ms. Maria Martin, Environmental Supervisor
City of Los Angeles, Department of Public Works
Bureau of Engineering, EMG
1149 South Broadway, Suite 600, Mail Stop 939
Los Angeles, California 90015-2213

Dear Ms. Martin:

Subject: Notice of Preparation (NOP) of a Draft Environmental Impact Report for the
Echo Park Lake Rehabilitation Project

The Los Angeles Department of Water and Power (LADWP) is in receipt of your NOP dated September 10, 2009. LADWP appreciates the opportunity to provide input on the scope and content of the Environmental Impact Report as you begin the planning and environmental review process for the Echo Park Lake Rehabilitation Project pursuant to the California Environmental Quality Act (CEQA).

One component of the CEQA Guidelines includes a public agency's duty to minimize environmental damage and balance competing public objectives. Water supply and availability is one public objective for which LADWP is accountable and as you are aware, water supply issues are of particular concern to LADWP. Last year, the City of Los Angeles (City) received the lowest rainfall on record, our own Los Angeles Aqueduct supply from the Eastern Sierra was at near record lows, and snowpack for the rest of California was also well below normal. In addition, a Federal Court ruling last year has resulted in reduced exports from the Delta to the State Water Project, the major source of supply to the Metropolitan Water District of Southern California, who we have increasingly relied upon to meet our water supply needs.

Continued development in the City of Los Angeles has generated concern of having sufficient water supplies to meet the increased needs. The LADWP Urban Water Management Plan (UWMP), last adopted in 2005, recognizes and accounts for periods of dry conditions and also anticipates both population growth and increased water demands. In light of the recent events, the LADWP has been undergoing a closer examination of what steps the City must take to ensure the water supply goals of the UWMP are achieved in order to have a sustainable water supply for the City.

The 2005 UWMP calls for increased water conservation continually through 2030, which is as far as the plan forecasts. Conservation goals are broken down in 5-year increments. By 2010, the plan calls for 5,000 acre-feet per year of additional water conservation savings.

Water and Power Conservation ...a way of life

111 North Hope Street, Los Angeles, California 90012-2607 Mailing address: Box 51111, Los Angeles 90051-5700
Telephone: (213) 367-4211 Cable address: DEWAPOLA

In order to achieve the anticipated water conservation savings identified in the UWMP, all new construction needs to include where applicable the standard water conserving measures and devices that are identified in this letter. Your assistance is necessary and appreciated to meet the required water conservation goals to ensure adequate water supplies for the future.

WATER CONSERVATION DEVICES AND MEASURES

- High efficiency toilets (1.28 gallons per flush or less, includes dual flush)
- Ultra low water urinals (0.25 gallons per flush or less, includes waterless)
- Restroom faucet flow rate of 1.5 gallons per minute or less
- Public restroom self-closing faucets
- Showerhead flow rate of 2.0 gallons per minute or less
- Limit of one showerhead per shower stall
- High efficiency clothes washers (water factor of 6.0 or less)
- High efficiency dishwashers (Energy Star rated)
- Domestic water heating system located in close proximity to point(s) of use, as feasible; use of tankless and on-demand water heaters as feasible
- Cooling towers must be operated at a minimum of 5.5 cycles of concentration
- Require onsite water recycling systems for wastewater discharge for commercial laundries, dye houses, food processing, certain manufacturing operations, etc. (subject to a payback threshold of five years or less). Mandate water recycling system for all new car wash facilities.
- Strict prohibition of single-pass cooling
- Irrigation system requirements
 - Weather-based irrigation controller with rain shutoff
 - Flow sensor and master valve shutoff (large landscapes)
 - Matched precipitation (flow) rates for sprinkler heads
 - Drip/microspray/subsurface irrigation where appropriate
 - Minimum irrigation system distribution uniformity of 75 percent
 - Proper hydro-zoning, turf minimization and use of native/drought tolerant plant materials
 - Use of landscape contouring to minimize precipitation runoff
- Metering
 - All dwelling units/commercial spaces require individual metering and billing for water use
 - All irrigated landscapes of 5,000 square feet or more require separate metering or submetering

Mandated use of recycled water (where available) for appropriate end uses (irrigation, cooling towers, sanitary)

Standard Urban Stormwater Mitigation Plan (SUSMP). Compliance with all City of Los Angeles SUSMP requirements, and encouraging implementation of Best Management Practices that have stormwater recharge or reuse benefits. For more information, visit: <http://www.lastormwater.org/Siteorg/businesses/susmp/susmpintro.htm>.

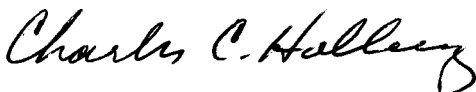
Water Saving Equipment or Programs for New Construction		
Equipment Type	Water Efficient Standard	Program and Contact Information
High Efficiency (H.E.) Toilets – includes dual-flush	1.28 gallons/flush (gpf)	Commercial/Multifamily Water Conservation Rebate program (\$50/each), call 1-877-728-2282 or www.ladwp.com/cwr
Ultra Low Water Urinals	0.25 gpf or less	Commercial/Multifamily Water Conservation Rebate program (from \$250/each to \$500 each), call 1-877-728-2282 or www.ladwp.com/cwr
Bathroom faucet aerators	1.5 gallons/minute (gpm), 1.0 gpm, or 0.5 gpm	Free water Conservation Equipment program, 1-800-544-4498, press "0"
Public restroom self-closing faucets	self-closing	No rebate from LADWP
Limit of one showerhead per stall		N/A
Showerheads	2.0 gpm	Free water Conservation Equipment program, 1-800-544-4498, press "0"
H.E. Residential Clothes Washers – inside of individual dwelling units	6.0 Water Factor (WF) or less	Consumer Rebate Program (\$250/each) – call 1-800-374-2224 or www.ladwp.com/crp
H.E. Commercial Clothes Washers – in common areas or Laundromats	7.5 WF or less	Commercial/Multifamily Water Conservation Rebate program (from \$200/each to \$250 each), call 1-877-728-2282 or www.ladwp.com/cwr
H.E. Dishwashers	Energy Star	No rebate from LADWP
Domestic Hot Water Systems	Close Proximity to point(s) of use, as feasible; use of tankless and on-demand water heaters as feasible	No rebate currently given by LADWP
Cooling Tower Water Treatment – 5.5 Cycles of Concentration (COC) w/metering	pH treatment or equivalent	Commercial/Multifamily Water Conservation Rebate program (\$3,000/ each pH Conductivity controller), 1-877-728-2282 or www.ladwp.com/cwr . Additional monies may be available through the Technical Assistance Program. 1-800-544-4498 press "3" or http://www.ladwp.com
Strict prohibition of single-pass cooling		N/A
Weather-based irrigation controller (landscape 2,500 s.f. or more)	Weather-Based irrigation controller using weather data wirelessly or from a weather sensor or sensors	Commercial/Multifamily Water Conservation Rebate program (\$1,000 per acre controlled), call 1-877-728-2282 or www.ladwp.com/cwr
Matched precipitation (flow) rates for sprinkler heads		No rebate currently given by LADWP
		Potential rebates for rotator nozzles through the Commercial/Multifamily Water Conservation Rebate Program (\$5/nozzle – 25 minimum purchase) call 1-877-728-2282 or www.ladwp.com/cwr

Equipment Type	Water Efficient Standard	Program and Contact Information
Drip/microspray/subsurface irrigation where appropriate		Potential rebates offered through the Technical Assistance Program of \$1.50/1,000 gallons of water served/1 st 2 years a project is in. Call 1-800-544-4498, press "3" or http://www.ladwp.com/ladwo/cms/ladwp001799.jsp
Minimum irrigation system distribution uniformity	75%	Potential rebates offered through the Technical Assistance Program of \$1.50/1,000 gallons of water served/1 st 2 years a project is in. Call 1-800-544-4498, press "3" or http://www.ladwp.com/ladwo/cms/ladwp001799.jsp
Proper hydro-zoning, turf minimization and use of native/drought tolerant plant materials		Potential rebates offered through the Technical Assistance Program of \$1.50/1,000 gallons of water served/1 st 2 years a project is in. Call 1-800-544-4498, press "3" or http://www.ladwp.com/ladwo/cms/ladwp001799.jsp
Use of landscape contouring to minimize precipitation runoff		No rebate currently given by LADWP
All dwelling units/commercial spaces require individual metering and billing for water use		No rebate currently given by LADWP
All irrigated landscapes of 5,000 square feet or more require separate metering or submetering		No rebate currently given by LADWP
Mandated use of recycled water (where available)		No rebate currently given by LADWP
Standard Urban Storm Water Mitigation Plan		No rebate currently given by LADWP

For more information about any of the water conservation measures, please contact Robert Estrada, Water Conservation Specialist, at (213) 367-0276 or Robert.Estrada@ladwp.com.

Please include LADWP in your mailing list and address it to the undersigned in Room 1044. If there are any additional questions, please contact Hal Messinger of my staff at (213) 367-1276.

Sincerely,



Charles C. Holloway
Manager of Environmental Planning and Assessment

HM:rp
c: Hal Messinger
Robert Estrada

Daniels, Shannon

From: Alex Robinson [alexander.robinson@gmail.com]
Sent: Wednesday, October 07, 2009 10:38 AM
To: Maria.Martin@lacity.org
Subject: Echo Park Comments

Dear Maria,

From what I have seen from the design, my main concern is that by not replacing the wetland / grass islands the bird population will not have a place to be unmolested by people (even if it's just noise and movement), and urban animals (rats!). Every evening I see those islands, they are heavily populated by birds, presumably nesting. I think that in an urban environment they need all the protection they can get. With nesting, in particular, maintaining that distance from disturbance is critical. It would be a shame if the habitat potential of the lake was diminished by all of these improvements.

I know that the wetland island technology and execution has progressed. Please don't reduce the habitat!

Here is a place that creates these islands:

<http://www.floatingislandswest.com/>

I and other residents have brought this up in meeting, with no real consideration or expert response.

Best,

Alex

Alexander A Robinson
SWA Group, Los Angeles
Lecturer, USC Dept. of Landscape Architecture
livingsystemsla.com
1417 Calumet Ave
Los Angeles, CA 90026

Daniels, Shannon

From: idatalalla@aol.com
Sent: Thursday, October 08, 2009 9:16 PM
To: maria.martin@lacity.org
Cc: Alejandra.Marroquin@lacity.org; Mitch.OFarrell@lacity.org; lynnelle.Scaduto@lacity.org; Alfred.Mata@lacity.org; shahram.kharaghani@lacity.org
Subject: Additional Comments- Prop O

Ms. Maria Martin
Environmental Supervisor 1,
Bureau of Engineering
Department of Public Works,
City of Los Angeles.

Dear Ms. Martin:

Re: Prop O at Echo Lake.

Earlier I had made a few observations and expressed concerns.
Please add these last few comments to ones made earlier.

- (a) Given that historically, the Lake once had two sections with Lotus, why is a larger Lotus bed not being considered or reverting to the two locations a consideration?
I feel that a larger Lotus bed would benefit the community and enhance the beauty of the Lake.
- (b) Scant attention has been given to entryways into Echo Park.
The absence of framing does not enhance the Park.
e.g. At the Park Avenue -Lemoyne entrance (Main entrance) one is presented with the public toilets to the left and to the right five rolling metal trash bins.
 - The entrance from Montrose that overlooks the Lotus bed has no distinctive feature except for a rusting water line.
 - Park and Echo Park corner frames the island so a broad walk with railing will be a detraction.
It will also bring people too close to the waterfowl. This is not a petting zoo and an effort to change the culture of feeding waterfowl must be discouraged.
 - Another area of concern is at the southern end. The pump house must fall below the sight line as one comes off the Echo Park exit. Could it be placed slightly off center to the right and built into the hillside/slope? Architecture to mirror that of the boat house or the Recreation Center.
- (c) The necklace of marshland skirting the sides of Lake provides no protective nesting areas for waterfowl. Furthermore, the cost of maintaining these wetlands has not been addressed.
- (d) While Prop O will address the issue of the Lake and water improvement, the surrounding landscape has been as neglected and needs to be looked at in greater detail.

Is there any way that additional funds can be identified for improving the surrounding area?

- (e) Site use of the land area must be planned more thoroughly and permanent features such as electrical outlets, cable lines etc considered. The constant digging up of the lawns to accommodate a variety of events and uses causes erosion and impacts the landscape over time. Also a designated cooking area must be determined and special floor treatment considered.
- (f) The maintenance budget and staffing has to be a consideration that must be included in the operations budget.
- (g) The safety of wildlife/waterfowl must be a concern throughout the process.
Who is responsible for monitoring this?
Detailed plans are necessary and should also include post Prop O monitoring.
- (h) Perhaps not part of the environmental report but one that is needed is a large outdoor story board in Spanish, English, Chinese , Korean, Thai and Tagalong to prepare and inform the community of the Prop O Project.
Many in the community do not attend meetings but use the park throughout the day.
- (i) Additional information is needed on the maintenance of the Lotus bed and type selected. What has become of earlier attempts to grow the lotus seeds taken from the Lotus bed? Will some of these be included? What is the long term care and monitoring?
- (j) How will soil left out to dry be controlled so that it does not blow all over the place?
Will contaminated soil be identified as such and fenced off?

With thanks and looking forward to the report.

Ida Talalla
Echo Park Trash Abatement Project.

Daniels, Shannon

From: Teresa Grow/Madison&Grow [teresa@madisonandgrow.com]
Sent: Thursday, October 08, 2009 2:28 PM
To: Maria.Martin@lacity.org
Subject: echo park comments

dear maria

i am concerned about the birds of echo park during and after this project.
please insist that wildlife of echo park lake are taken into consideration during this terrific project. i ran around silver lake reservoir this morning and saw 8 great blue herons in the trees that they nested in the spring!!!
priceless!!!!

thank you for your consideration

teresa grow

teresa grow
partner

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los angeles, ca. 90039
phone: 323.522.6683
<http://www.madisonandgrow.com>

Daniels, Shannon

From: Jason Schmidt [jschmidt@treepeople.org]
Sent: Friday, October 09, 2009 4:33 PM
To: Maria.Martin@lacity.org
Subject: Echo Park Comments

Hello Maria,

Sorry this is coming to you last minute, but I have been out sick all week...

Here are some comments for the Draft EIR for Echo Park Lake:

1. There should be a thorough investigation into the costs (not just monetary, but also ecological) of draining the lake in parts, as opposed to all at once.
2. What will be the effects of the berm on water temperature and quality in the lake? By lowering the overall lake level to meet the criteria to take it out of the province of Dams and Safety, water temperature will certainly rise and may have an overall negative impact on water quality.
3. The area of the lotus beds needs to be revisited, as it appeared on the day of the site tour that members from the design team were not aware of the stormwater inlet at the northwest lobe of the lake. How will this stormwater inlet affect the lotus beds (as it was most likely the culprit to their demise), and what remediation can be done at the inlet?
4. Are there any plans to look into mycoremediation (using fungal networks for the breakdown of hydrocarbons, heavy metals, petroleum related pollutants, among other pollutants that are on the TMDL list) for stormwater inlets to the lake?

Again, I am sorry for being so late with these comments. Thanks for taking the time to work on this project.

Jason Schmidt
Program Associate, Natural Urban Systems Group
TreePeople
12601 Mulholland Drive
Beverly Hills, CA 90210
jschmidt@treepeople.org
p: 818-623-4884
f: 818-753-4635
Helping Nature Heal our Cities
[Check out the new treepeople.org](http://www.treepeople.org)

Daniels, Shannon

From: Peter Garrison [pgarrison@earthlink.net]
Sent: Friday, October 09, 2009 5:36 PM
To: maria.martin@lacity.org
Subject: Echo Park comments

Please add the names Peter Garrison and Nancy Salter to those strongly encouraging the city to be mindful of the birds whose paths take them to Echo Park Lake. Our understanding is that by avoiding draining the whole lake at once the chances of various birds remaining in residence is much greater than otherwise.

Thank you.
Peter Garrison
Nancy Salter
1613 Altivo Way
Los Angeles, CA 90026



DESIGN UPDATE / SCOPING MEETING
for the
ECHO PARK LAKE REHABILITATION PROJECT
September 23, 2009
Logan Street Elementary School – 1711 Montana Street
SPEAKER/COMMENT CARD

CITY OF LOS ANGELES, BUREAU OF ENGINEERING
1149 S. BROADWAY, SUITE 600, MAIL STOP 939
LOS ANGELES, CA 90015-2213

Please check the appropriate box below:

☒ I wish to speak at the Design Update / Scoping Meeting.

☐ I have provided my comments on this sheet.

Name: Ida Talalla

Organization: Echo Park TAP

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Zip Code: LA 90026

Phone: _____

E-mail: IdaTalalla@aol.com

COMMENTS:

Please use the back of this page if needed.



DESIGN UPDATE / SCOPING MEETING
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September 23, 2009
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COMMENTS:



DESIGN UPDATE / SCOPING MEETING
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ECHO PARK LAKE REHABILITATION PROJECT
September 23, 2009
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Please check the appropriate box below:

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Name:

Barbara Rausch

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Prop. mgm

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Zip Code:

L.A. 90026

Phone:

213-250-3498

E-mail:

—

COMMENTS:

Remember the lake's beauty
is that it is a lake - a
body of water - not a bunch
of floating wetlands.



DESIGN UPDATE / SCOPING MEETING
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MICHAEL O'BRIEN

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E-mail:

COMMENTS:

Please use the back of this page if needed.



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September 23, 2009
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Please check the appropriate box below:



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Name:

MALCOLM SCHENOT

Organization:

JENSEN'S RECREATION CENTER

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Zip Code:

90026

Phone:

RM Schenot@yahoo

E-mail:

COMMENTS:

At an earlier meeting a
mechanical water filtering system
positioned around the lake was
discussed. What is the update
on that?



DESIGN UPDATE / SCOPING MEETING
for the
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Please check the appropriate box below:

- ☒ I wish to speak at the Design Update / Scoping Meeting.
☐ I have provided my comments on this sheet.

Name: JUDY RASKIN
Organization: ECHO PARK ADVISORY BOARD
Address: _____
Zip Code: _____
Phone: _____
E-mail: _____

COMMENTS:

1) CONSTRUCTION START - CONFLICT
WITH MIGRATING BIRDS
2) KEEP WATER IN PART OF
LAKE WHILE WORKING ELSEWHERE
(BEHIND WEIRS - BERMS)

**DRAFT ENVIRONMENTAL IMPACT REPORT
APPENDIX B**

AIR QUALITY AND NOISE IMPACT REPORT



ECHO PARK LAKE REHABILITATION PROJECT AIR QUALITY AND NOISE IMPACT REPORT



Prepared for

AECOM

Prepared by

TERRY A. HAYES ASSOCIATES LLC

April 22, 2010
taha 2009-034

ECHO PARK LAKE REHABILITATION PROJECT

AIR QUALITY AND NOISE IMPACT REPORT

Prepared for

AECOM
515 S Flower Street, 9th Floor
Los Angeles, CA 90071

Prepared by

TERRY A. HAYES ASSOCIATES LLC
8522 National Boulevard, Suite 102
Culver City, CA 90232

April 22, 2010

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1.0 SUMMARY OF FINDINGS

Terry A. Hayes Associates LLC has completed an air quality and noise impact analysis for the proposed Echo Park Lake Rehabilitation Project. Key findings are listed below.

1.1 AIR QUALITY

- **Regional Construction Emissions** – Regional nitrogen oxide emissions would exceed the applicable standards without mitigation. Mitigation Measures **AQ7** through **AQ10** would reduce nitrogen oxide emissions. However, even with the implementation of mitigation, regional nitrogen oxide emissions would still result in a significant air quality impact.
- **Localized Construction Emissions** – Localized particulate matter emissions would exceed the applicable standards. Mitigation Measures **AQ1** through **AQ6** would reduce nitrogen oxide emissions. However, even with the implementation of mitigation, localized particulate matter emissions would still result in a significant impact.
- **Construction Toxic Air Contaminants** – Toxic air contaminant emissions associated with construction activity would result in a less-than-significant impact. Mitigation measures are not required.
- **Construction Odors** – Construction odors would result in a significant impact without mitigation. Mitigation Measures **AQ11** through **AQ13** would control noxious odors, and construction odors would result in a less-than-significant impact after implementation of mitigation.
- **Cumulative Impacts** – The proposed project would contribute to a cumulatively considerable impact as a result of project-related nitrogen oxide emissions. Mitigation Measures **AQ7** through **AQ10** would reduce nitrogen oxide emissions. However, even with the implementation of mitigation, regional nitrogen oxide emissions would still result in a cumulatively considerable impact.
- **Global Warming Impacts** - The proposed project would reduce municipal water required to maintain the water level of the Lake, thus reducing associated greenhouse gas emissions. Long-term greenhouse gas emissions would result in a less-than-significant impact. Mitigation measures are not required.

1.2 NOISE AND VIBRATION

- **Construction Noise** - Construction activity would exceed the applicable standards. Mitigation Measures **N1** through **N4** would reduce noise levels. However, even with the implementation of mitigation, construction noise would still result in a significant impact.
- **Vibration** - Construction vibration impacts would result in a less-than-significant impact. Mitigation measures are not required.
- **Cumulative Impacts** - Cumulative noise would result in a less-than-significant noise and vibration impact. Mitigation measures are not required.

2.0 INTRODUCTION

2.1 PURPOSE

The purpose of this report is to evaluate the potential air quality and noise impacts of the proposed Echo Lake Park Rehabilitation Project (proposed project). Potential air quality and noise impacts are analyzed for construction and operation of the proposed project. Mitigation measures for potentially significant impacts are recommended when appropriate to reduce air quality emissions and noise and vibration levels.

2.2 PROJECT DESCRIPTION

The project site is located at 751 Echo Park Avenue within the Echo Park/Silver Lake community of the City of Los Angeles. The project site is bound by Park Avenue on the north, Echo Park Avenue on the east, Bellevue Avenue on the south, and Glendale Boulevard on the west. The project site is also located within the Los Angeles River Watershed. The Hollywood Freeway (US 101) is oriented in an east-west direction in this area of Los Angeles, and is located approximately 0.05 mile (250 feet) south of the project site. The Pasadena Freeway (SR 110) is oriented in a north-south direction and is located approximately 0.8 mile east of the project site. The project site includes a 24-acre portion of Echo Park Lake (Park) which is an open-space recreational facility. The lake occupies 13 acres and is surrounded by 11 acres of open recreational space. A two-acre portion of the Park is located on the south side of Bellevue Avenue and a five-acre portion of the Park is located further south, on the south side of US 101. These seven acres are not a part of the project site.

The estimated duration of the construction of the proposed project is 26 months lasting from January 2011 through February 2013. It is anticipated that the project site would be fenced and closed to the public during the construction phase due to the construction activities. However, the two-acre portion of Echo Park Lake that is located on the south side of Bellevue Avenue and five-acre portion located directly south of US 101 would not be closed during the construction activities on the project site.

Construction activities would include draining the entire Lake to and the sediment that may have accumulated within the Lake. A majority of the removed sediment would require drying, handling and hauling by trucks from the project site to a specified disposal facility. However, any existing soil or sediment that is determined to be useable will be re-used within the Lake bed. The Lake bed would be lined with bentonite-enhanced clay. The existing soil within the Lake bed includes some natural soft and moist clay. The bentonite would be transported from the specified commercial facility to the project site by truck and then mixed with the existing soil within the Lake bed using low-bearing pressure tracked vehicles. It is anticipated that the majority of staging and storage for the Lake bed improvements would occur within the Lake bed itself. It is anticipated that the Lake bed improvements would occur concurrently along with the improvements to the adjacent Park. This would ultimately depend on the amount of available staging space within or near the Park.

3.0 AIR QUALITY

This section examines the degree to which the proposed project may cause significant adverse changes to air quality. Both short-term construction emissions occurring from activities, such as site grading and haul truck trips, and long-term effects related to the ongoing operation of the proposed project are discussed in this section. This analysis focuses on air pollution from two perspectives: daily emissions and pollutant concentrations. “Emissions” refer to the quantity of pollutants released into the air, measured in pounds per day (ppd). “Concentrations” refer to the amount of pollutant material per volumetric unit of air, measured in parts per million (ppm) or micrograms per cubic meter ($\mu\text{g}/\text{m}^3$).

3.1 POLLUTANTS & EFFECTS

Criteria air pollutants are defined as pollutants for which the federal and State governments have established ambient air quality standards for outdoor concentrations to protect public health. The federal and State standards have been set at levels above which concentrations could be harmful to human health and welfare. These standards are designed to protect the most sensitive persons from illness or discomfort. Pollutants of concern include carbon monoxide (CO), ozone (O_3), nitrogen dioxide (NO_2), sulfur dioxide (SO_2), particulate matter 2.5 microns or less in diameter ($\text{PM}_{2.5}$), particulate matter ten microns or less in diameter (PM_{10}), and lead (Pb). These pollutants are discussed below.

Carbon Monoxide. CO is a colorless and odorless gas formed by the incomplete combustion of fossil fuels. CO is emitted almost exclusively from motor vehicles, power plants, refineries, industrial boilers, ships, aircraft, and trains. In urban areas such as the project location, automobile exhaust accounts for the majority of CO emissions. CO is a non-reactive air pollutant that dissipates relatively quickly, so ambient CO concentrations generally follow the spatial and temporal distributions of vehicular traffic. CO concentrations are influenced by local meteorological conditions, primarily wind speed, topography, and atmospheric stability. CO from motor vehicle exhaust can become locally concentrated when surface-based temperature inversions are combined with calm atmospheric conditions, a typical situation at dusk in urban areas between November and February.¹ The highest levels of CO typically occur during the colder months of the year when inversion conditions are more frequent. In terms of health, CO competes with oxygen, often replacing it in the blood, thus reducing the blood’s ability to transport oxygen to vital organs. The results of excess CO exposure can be dizziness, fatigue, and impairment of central nervous system functions.

Ozone. O_3 is a colorless gas that is formed in the atmosphere when reactive organic gases (ROG), which includes volatile organic compounds (VOC), and nitrogen oxides (NO_x) react in the presence of ultraviolet sunlight. O_3 is not a primary pollutant; it is a secondary pollutant formed by complex interactions of two pollutants directly emitted into the atmosphere. The primary sources of ROG and NO_x , the components of O_3 , are automobile exhaust and industrial sources. Meteorology and terrain play major roles in O_3 formation. Ideal conditions occur during summer and early autumn, on days with low wind speeds or stagnant air, warm temperatures, and cloudless skies. The greatest source of smog-producing gases is the automobile. Short-term exposure (lasting for a few hours) to O_3 at levels typically observed in Southern California can result in breathing pattern changes, reduction of breathing capacity,

¹Inversion is an atmospheric condition in which a layer of warm air traps cooler air near the surface of the earth, preventing the normal rising of surface air.

increased susceptibility to infections, inflammation of the lung tissue, and some immunological changes.

Nitrogen Dioxide. NO_2 , like O_3 , is not directly emitted into the atmosphere but is formed by an atmospheric chemical reaction between nitric oxide (NO) and atmospheric oxygen. NO and NO_2 are collectively referred to as NO_x and are major contributors to O_3 formation. NO_2 also contributes to the formation of PM_{10} . High concentrations of NO_2 can cause breathing difficulties and result in a brownish-red cast to the atmosphere with reduced visibility. There is some indication of a relationship between NO_2 and chronic pulmonary fibrosis. Some increase of bronchitis in children (two and three years old) has also been observed at concentrations below 0.3 ppm.

Sulfur Dioxide. SO_2 is a colorless, pungent gas formed primarily by the combustion of sulfur-containing fossil fuels. Main sources of SO_2 are coal and oil used in power plants and industries. Generally, the highest levels of SO_2 are found near large industrial complexes. In recent years, SO_2 concentrations have been reduced by the increasingly stringent controls placed on stationary source emissions of SO_2 and limits on the sulfur content of fuels. SO_2 is an irritant gas that attacks the throat and lungs. It can cause acute respiratory symptoms and diminished ventilator function in children. SO_2 can also harm plant leaves and erode iron and steel.

Particulate Matter. Particulate matter pollution consists of very small liquid and solid particles floating in the air, which can include smoke, soot, dust, salts, acids, and metals. Particulate matter also forms when gases emitted from industries and motor vehicles undergo chemical reactions in the atmosphere. $\text{PM}_{2.5}$ and PM_{10} represent fractions of particulate matter. Fine particulate matter, or $\text{PM}_{2.5}$, is roughly 1/28 the diameter of a human hair. $\text{PM}_{2.5}$ results from fuel combustion (e.g. motor vehicles, power generation, and industrial facilities), residential fireplaces, and wood stoves. In addition, $\text{PM}_{2.5}$ can be formed in the atmosphere from gases such as SO_2 , NO_x , and VOC. Inhalable particulate matter, or PM_{10} , is about 1/7 the thickness of a human hair. Major sources of PM_{10} include crushing or grinding operations; dust stirred up by vehicles traveling on roads; wood burning stoves and fireplaces; dust from construction, landfills, and agriculture; wildfires and brush/waste burning; industrial sources; windblown dust from open lands; and atmospheric chemical and photochemical reactions.

$\text{PM}_{2.5}$ and PM_{10} pose a greater health risk than larger-size particles. When inhaled, these tiny particles can penetrate the human respiratory system's natural defenses and damage the respiratory tract. $\text{PM}_{2.5}$ and PM_{10} can increase the number and severity of asthma attacks, cause or aggravate bronchitis and other lung diseases, and reduce the body's ability to fight infections. Very small particles of substances, such as lead, sulfates, and nitrates can cause lung damage directly. These substances can be absorbed into the blood stream and cause damage elsewhere in the body. These substances can transport absorbed gases, such as chlorides or ammonium, into the lungs and cause injury. Whereas PM_{10} tends to collect in the upper portion of the respiratory system, $\text{PM}_{2.5}$ is so tiny that it can penetrate deeper into the lungs and damage lung tissues. Suspended particulates also damage and discolor surfaces on which they settle, as well as produce haze and reduce regional visibility.

Lead. Pb in the atmosphere occurs as particulate matter. Sources of lead include leaded gasoline; the manufacturers of batteries, paint, ink, ceramics, and ammunition; and secondary lead smelters. Prior to 1978, mobile emissions were the primary source of atmospheric lead. Between 1978 and 1987, the phase-out of leaded gasoline reduced the overall inventory of airborne lead by nearly 95 percent. With the phase-out of leaded gasoline, secondary lead

smelters, battery recycling, and manufacturing facilities have become lead-emission sources of greater concern.

Prolonged exposure to atmospheric lead poses a serious threat to human health. Health effects associated with exposure to lead include gastrointestinal disturbances, anemia, kidney disease, and in severe cases, neuromuscular and neurological dysfunction. Of particular concern are low-level lead exposures during infancy and childhood. Such exposures are associated with decrements in neurobehavioral performance, including intelligence quotient performance, psychomotor performance, reaction time, and growth.

Toxic Air Contaminants. A substance is considered toxic if it has the potential to cause adverse health effects in humans. A toxic substance released into the air is considered a toxic air contaminant (TAC). TACs are identified by State and federal agencies based on a review of available scientific evidence. In the State of California, TACs are identified through a two-step process that was established in 1983 under the Toxic Air Contaminant Identification and Control Act. This two-step process of risk identification and risk management was designed to protect residents from the health effects of toxic substances in the air.

Greenhouse Gases. Greenhouse gas (GHG) emissions refer to a group of emissions that are generally believed to affect global climate conditions. The greenhouse effect compares the Earth and the atmosphere surrounding it to a greenhouse with glass panes. The glass panes in a greenhouse let heat from sunlight in and reduce the amount of heat that escapes. GHGs, such as carbon dioxide (CO₂), methane (CH₄), and nitrous oxide (N₂O), keep the average surface temperature of the Earth close to 60 degrees Fahrenheit (°F). Without the greenhouse effect, the Earth would be a frozen globe with an average surface temperature of about 5°F.

In addition to CO₂, CH₄, and N₂O, GHGs include hydrofluorocarbons, perfluorocarbons, sulfur hexafluoride, and water vapor. Of all the GHGs, CO₂ is the most abundant pollutant that contributes to climate change through fossil fuel combustion. CO₂ comprised 83.3 percent of the total GHG emissions in California in 2002.² The other GHGs are less abundant but have higher global warming potential than CO₂. To account for this higher potential, emissions of other GHGs are frequently expressed in the equivalent mass of CO₂, denoted as CO₂e. The CO₂e of CH₄ and N₂O represented 6.4 and 6.8 percent, respectively, of the 2002 California GHG emissions. Other high global warming potential gases represented 3.5 percent of these emissions.³ In addition, there are a number of human-made pollutants, such as CO, NO_x, non-methane VOC, and SO₂, that have indirect effects on terrestrial or solar radiation absorption by influencing the formation or destruction of other climate change emissions.

3.2 REGULATORY SETTING

Federal

United States Environmental Protection Agency. The Federal Clean Air Act (CAA) governs air quality in the United States. The United States Environmental Protection Agency (USEPA) is responsible for enforcing the CAA. USEPA is also responsible for establishing the National Ambient Air Quality Standards (NAAQS). NAAQS are required under the 1977 CAA and

²California Environmental Protection Agency, *Climate Action Team Report to Governor Schwarzenegger and the Legislature*, March 2006, p. 11.

³*Ibid.*

subsequent amendments. USEPA regulates emission sources that are under the exclusive authority of the federal government, such as aircraft, ships, and certain types of locomotives. USEPA has jurisdiction over emission sources outside State waters (e.g., beyond the outer continental shelf) and establishes various emission standards, including those for vehicles sold in States other than California. Automobiles sold in California must meet stricter emission standards established by CARB.

As required by the CAA, NAAQS have been established for seven major air pollutants: CO, NO₂, O₃, PM_{2.5}, PM₁₀, SO₂, and Pb. The CAA requires USEPA to designate areas as attainment, nonattainment, or maintenance (previously nonattainment and currently attainment) for each criteria pollutant based on whether the NAAQS have been achieved. The federal standards are summarized in **Table 3-1**. The USEPA has classified the South Coast Air Basin (Basin) as maintenance for CO and nonattainment for O₃, PM_{2.5}, and PM₁₀.

State

California Air Resources Board. In addition to being subject to the requirements of CAA, air quality in California is also governed by more stringent regulations under the California Clean Air Act (CCAA). In California, the CCAA is administered by the California Air Resources Board (CARB) at the State level and by the air quality management districts and air pollution control districts at the regional and local levels. The CARB, which became part of the California Environmental Protection Agency in 1991, is responsible for meeting the State requirements of the CAA, administering the CCAA, and establishing the California Ambient Air Quality Standards (CAAQS). The CCAA, as amended in 1992, requires all air districts in the State to endeavor to achieve and maintain the CAAQS. CAAQS are generally more stringent than the corresponding federal standards and incorporate additional standards for sulfates, hydrogen sulfide, vinyl chloride, and visibility-reducing particles. CARB regulates mobile air pollution sources, such as motor vehicles. CARB is responsible for setting emission standards for vehicles sold in California and for other emission sources, such as consumer products and certain off-road equipment. CARB established passenger vehicle fuel specifications, which became effective in March 1996. CARB oversees the functions of local air pollution control districts and air quality management districts, which, in turn administer air quality activities at the regional and county levels. The State standards are summarized in **Table 3-1**.

The CCAA requires CARB to designate areas within California as either attainment or nonattainment for each criteria pollutant based on whether the CAAQS have been achieved. Under the CCAA, areas are designated as nonattainment for a pollutant if air quality data shows that a State standard for the pollutant was violated at least once during the previous three calendar years. Exceedances that are affected by highly irregular or infrequent events are not considered violations of a State standard and are not used as a basis for designating areas as nonattainment. Under the CCAA, the Los Angeles County portion of the Basin is designated as a nonattainment area for O₃, PM_{2.5}, and PM₁₀.⁴

⁴CARB, Area Designation Maps, available at <http://www.arb.ca.gov/desig/adm/adm.htm>, accessed October 27, 2009.

TABLE 3-1: STATE AND NATIONAL AMBIENT AIR QUALITY STANDARDS AND ATTAINMENT STATUS FOR THE SOUTH COAST AIR BASIN

Pollutant	Averaging Period	California		Federal	
		Standards	Attainment Status	Standards	Attainment Status
Ozone (O ₃)	1-hour	0.09 ppm (180 µg/m ³)	Nonattainment	--	--
	8-hour	0.070 ppm (137 µg/m ³)	n/a	0.075 ppm (147 µg/m ³)	Nonattainment
Respirable Particulate Matter (PM ₁₀)	24-hour	50 µg/m ³	Nonattainment	150 µg/m ³	Nonattainment
	Annual Arithmetic Mean	20 µg/m ³	Nonattainment	--	--
Fine Particulate Matter (PM _{2.5})	24-hour	--	--	35 µg/m ³	Nonattainment
	Annual Arithmetic Mean	12 µg/m ³	Nonattainment	15.0 µg/m ³	Nonattainment
Carbon Monoxide (CO)	8-hour	9.0 ppm (10 mg/m ³)	Attainment	9 ppm (10 mg/m ³)	Maintenance
	1-hour	20 ppm (23 mg/m ³)	Attainment	35 ppm (40 mg/m ³)	Maintenance
Nitrogen Dioxide (NO ₂)	Annual Arithmetic Mean	0.030 ppm (57 µg/m ³)	Attainment	0.053 ppm (100 µg/m ³)	Attainment
	1-hour	0.18 ppm (338 µg/m ³)	Attainment	--	--
Sulfur Dioxide (SO ₂)	Annual Arithmetic Mean	--	--	0.030 ppm (80 µg/m ³)	Attainment
	24-hour	0.04 ppm (105 µg/m ³)	Attainment	0.14 ppm (365 µg/m ³)	Attainment
	3-hour	--	--	--	--
	1-hour	0.25 ppm (655 µg/m ³)	Attainment	--	--
Lead (Pb)	30-day average	1.5 µg/m ³	Attainment	--	--
	Calendar Quarter	--	--	0.15 µg/m ³	Attainment

n/a = not available
SOURCE: CARB, *Ambient Air Quality Standards*, November 17, 2008.

Local

South Coast Air Quality Management District. The 1977 Lewis Air Quality Management Act created the South Coast Air Quality Management District (SCAQMD) to coordinate air quality planning efforts throughout Southern California. This Act merged four county air pollution control agencies into one regional district to better address the issue of improving air quality in Southern California. Under the Act, renamed the Lewis-Presley Air Quality Management Act in 1988, the SCAQMD is the agency principally responsible for comprehensive air pollution control in the region. Specifically, the SCAQMD is responsible for monitoring air quality, as well as

planning, implementing, and enforcing programs designed to attain and maintain State and federal ambient air quality standards in the district. Programs that were developed include air quality rules and regulations that regulate stationary sources, area sources, point sources, and certain mobile source emissions. The SCAQMD is also responsible for establishing stationary source permitting requirements and for ensuring that new, modified, or relocated stationary sources do not create net emission increases.

The SCAQMD monitors air quality within the project area. The SCAQMD has jurisdiction over an area of 10,743 square miles, consisting of Orange County; the non-desert portions of Los Angeles, Riverside, and San Bernardino counties; and the Riverside County portion of the Salton Sea Air Basin and Mojave Desert Air Basin. The Basin is a subregion of the SCAQMD and covers an area of 6,745 square miles. The Basin includes all of Orange County and the non-desert portions of Los Angeles, Riverside, and San Bernardino counties. The Basin is bounded by the Pacific Ocean to the west; the San Gabriel, San Bernardino and San Jacinto mountains to the north and east; and the San Diego County line to the south (**Figure 3-1**).


Air Quality Management Plan. All areas designated as nonattainment under the CCAA are required to prepare plans showing how the area would meet the State air quality standards by its attainment dates. The Air Quality Management Plan (AQMP) is the region's plan for improving air quality in the region. It addresses CAA and CCAA requirements and demonstrates attainment with State and federal ambient air quality standards. The AQMP is prepared by SCAQMD and the Southern California Association of Governments (SCAG). The AQMP provides policies and control measures that reduce emissions to attain both State and federal ambient air quality standards by their applicable deadlines. Environmental review of individual projects within the Basin must demonstrate that daily construction and operational emissions thresholds, as established by the SCAQMD, would not be exceeded. The environmental review must also demonstrate that individual projects would not increase the number or severity of existing air quality violations.

The 2007 AQMP was adopted by the SCAQMD on June 1, 2007. The 2007 AQMP proposes attainment demonstration of the federal PM_{2.5} standards through a more focused control of SO_x, directly-emitted PM_{2.5}, and NO_x supplemented with VOC by 2015. The eight-hour ozone control strategy builds upon the PM_{2.5} strategy, augmented with additional NO_x and VOC reductions to meet the standard by 2024. The 2007 AQMP also addresses several federal planning requirements and incorporates significant new scientific data, primarily in the form of updated emissions inventories, ambient measurements, new meteorological episodes, and new air quality modeling tools. The 2007 AQMP is consistent with and builds upon the approaches taken in the 2003 AQMP. However, the 2007 AQMP highlights the significant amount of reductions needed and the urgent need to identify additional strategies, especially in the area of mobile sources, to meet all federal criteria pollutant standards within the time frames allowed under the CAA.



LEGEND:

 South Coast Air Basin

 State of California

SOURCE: California Air Resources Board, State and Local Air Monitoring Network Plan, October 1998

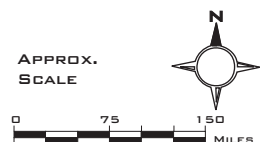


FIGURE 3-1

SOUTH COAST AIR BASIN

Toxic Air Contaminants. The SCAQMD has a long and successful history of reducing air toxics and criteria emissions in the Basin. SCAQMD has an extensive control program, including traditional and innovative rules and policies. These policies can be viewed in the SCAQMD's *Air Toxics Control Plan for the Next Ten Years* (March 2000). To date, the most comprehensive study on air toxics in the Basin is the Multiple Air Toxics Exposure Study (MATES-III), conducted by the SCAQMD. The monitoring program measured more than 30 air pollutants, including both gases and particulates. The monitoring study was accompanied by a computer modeling study in which SCAQMD estimated the risk of cancer from breathing toxic air pollution throughout the region based on emissions and weather data. MATES-III found that the cancer risk in the region from carcinogenic air pollutants ranges from about 870 in a million to 1,400 in a million, with an average regional risk of about 1,200 in a million.

Global Climate Change

In response to growing scientific and political concern with global climate change, California has recently adopted a series of laws to reduce emissions of GHGs into the atmosphere. In September 2002, Assembly Bill (AB) 1493 was enacted, requiring the development and adoption of regulations to achieve "the maximum feasible reduction of greenhouse gases" emitted by noncommercial passenger vehicles, light-duty trucks, and other vehicles used primarily for personal transportation in the State. California Governor Arnold Schwarzenegger announced, on June 1, 2005, through Executive Order S-3-05, the following GHG emission reduction targets: by 2010, reduce GHG emissions to 2000 levels; by 2020, reduce GHG emissions to 1990 levels; and by 2050, reduce GHG emissions to 80 percent below 1990 levels.

In response to the Executive Order, the Secretary of the California Environmental Protection Agency created the Climate Action Team (CAT), which, in March 2006, published the *Climate Action Team Report to Governor Schwarzenegger and the Legislature* (2006 CAT Report). The 2006 CAT Report identifies a recommended list of strategies that the State could pursue to reduce climate change GHG emissions. These are strategies that could be implemented by various State agencies to ensure that the Governor's targets are met and can be met with existing authority of the State agencies.

Assembly Bill 32. In September 2006, Governor Arnold Schwarzenegger signed the California Global Warming Solutions Act of 2006, also known as AB 32, into law. AB 32 focuses on reducing GHG emissions in California, and requires the CARB to adopt rules and regulations that would achieve greenhouse gas emissions equivalent to statewide levels in 1990 by 2020. To achieve this goal, AB 32 mandates that the CARB establish a quantified emissions cap, institute a schedule to meet the cap, implement regulations to reduce statewide GHG emissions from stationary sources, and develop tracking, reporting, and enforcement mechanisms to ensure that reductions are achieved. Because the intent of AB 32 is to limit 2020 emissions to the equivalent of 1990, and the present year (2009) is near the midpoint of this timeframe, it is expected that the regulations would affect many existing sources of GHG emissions and not just new general development projects. Senate Bill (SB) 1368, a companion bill to AB 32, requires the California Public Utilities Commission and the California Energy Commission to establish GHG emission performance standards for the generation of electricity. These standards will also apply to power that is generated outside of California and imported into the State.

AB 32 charges the CARB with the responsibility to monitor and regulate sources of GHG emissions in order to reduce those emissions. On June 1, 2007, the CARB adopted three discrete early action measures to reduce GHG emissions. These measures involved complying with a low carbon fuel standard, reducing refrigerant loss from motor vehicle air conditioning

maintenance, and increasing methane capture from landfills.⁵ On October 25, 2007, the CARB tripled the set of previously approved early action measures. The approved measures include improving truck efficiency (i.e., reducing aerodynamic drag), electrifying port equipment, reducing perfluorocarbons from the semiconductor industry, reducing propellants in consumer products, promoting proper tire inflation in vehicles, and reducing sulfur hexafluoride emission from the non-electricity sector. The CARB has determined that the total statewide aggregated greenhouse gas 1990 emissions level and 2020 emissions limit is 427 million metric tons of CO₂e. The 2020 target reductions are currently estimated to be 174 million metric tons of CO₂e.

The CARB AB 32 Scoping Plan contains the main strategies to achieve the 2020 emissions cap. The Scoping Plan was developed by the CARB with input from the Climate Action Team and proposes a comprehensive set of actions designed to reduce overall carbon emissions in California, improve the environment, reduce oil dependency, diversify energy sources, and enhance public health while creating new jobs and improving the State economy. The GHG reduction strategies contained in the Scoping Plan include direct regulations, alternative compliance mechanisms, monetary and non-monetary incentives, voluntary actions, and market-based mechanisms such as a cap-and-trade system. The measures in the Scoping Plan adopted by the Board will be developed and put in place by 2012.

The CARB has also developed the greenhouse gas mandatory reporting regulation, which required reporting beginning on January 1, 2008 pursuant to requirements of AB 32. The regulations require reporting for certain types of facilities that make up the bulk of the stationary source emissions in California. The regulation language identifies major facilities as those that generate more than 25,000 metric tons of CO₂ per year. Cement plants, oil refineries, electric generating facilities/providers, co-generation facilities, and hydrogen plants and other stationary combustion sources that emit more than 25,000 metric tons of CO₂ per year, make up 94 percent of the point source CO₂ emissions in California.

CEQA Guideline Amendments. As directed by Senate Bill 97, the Natural Resources Agency adopted amendments to the CEQA Guidelines for greenhouse gas emissions on December 30, 2009. The amendments became effective March 18, 2010. The CEQA Guideline amendments provide guidance to public agencies regarding the analysis and mitigation of the effects of GHG emissions in CEQA documents. Noteworthy revisions to the CEQA Guidelines include:

- Lead agencies should quantify all relevant GHG emissions and consider the full range of project features that may increase or decrease GHG emissions as compared to the existing setting;
- Consistency with the CARB Scoping Plan is not a sufficient basis to determine that a project's GHG emissions would not be cumulatively considerable;
- A lead agency may appropriately look to thresholds developed by other public agencies, including the CARB's recommended CEQA thresholds;
- To qualify as mitigation, specific measures from an existing plan must be identified and incorporated into the project. General compliance with a plan, by itself, is not mitigation;
- The effects of GHG emissions are cumulative and should be analyzed in the context of CEQA's requirements for cumulative impact analysis; and
- Given that impacts resulting from GHG emissions are cumulative, significant advantages may result from analyzing such impacts on a programmatic level. If analyzed properly,

⁵California Air Resources Board, *Proposed Early Action Measures to Mitigate Climate Change in California*, April 20, 2007.

later projects may tier, incorporate by reference, or otherwise rely on the programmatic analysis.

Senate Bill 375. California Senate Bill (SB) 375, passed September 30, 2008, provides a means for achieving AB 32 goals through regulation of cars and light trucks. SB 375 aligns three critical policy areas of importance to local government: (1) regional long-range transportation plans and investments; (2) regional allocation of the obligation for cities and counties to zone for housing; and (3) a process to achieve greenhouse gas emissions reductions targets for the transportation sector. SB 375 establishes a process for CARB to develop the GHG emissions reductions targets for each region (as opposed to individual local governments or households). CARB must take certain factors into account before setting the targets, such as considering the likely reductions that will result from actions to improve the fuel efficiency of the Statewide fleet and regulations related to the carbon content of fuels (low carbon fuels). CARB must also convene a Regional Targets Advisory Committee, which includes representation from the League of California Cities, California State Association of Counties, metropolitan planning organizations, developers, planning organizations and other stakeholder groups. Furthermore, before setting the targets for each region, CARB is required to exchange technical information with the Metropolitan Planning Organizations (MPOs) for that region and with the affected air district. SB 375 provides that the MPOs may recommend a target for its region.

SB 375 relies upon regional planning processes already underway in the 17 MPOs in the State to accomplish its objectives. The provisions related to GHG emissions only apply to the MPOs in the State, which includes 37 of the 58 counties. Most notably, the measure requires the MPO to prepare a Sustainable Communities Strategy (SCS) within the Regional Transportation Plan (RTP), which sets forth a vision for growth for the region taking into account the transportation, housing, environmental, and economic needs of the region. The SCS is the blueprint by which the region will meet its GHG emissions reductions target if there is a feasible way to do so.

SB 375 indirectly addresses another long-standing issue: single purpose State agencies. The new law will require the cooperation of CARB, the California Transportation Commission (CTC), the California Department of Transportation (Caltrans) and the State Department of Housing and Community Development (HCD). For example, SB 375 takes a first step to counter this problem by connecting the Regional Housing Needs Allocation (RHNA) to the transportation planning process. While these State agencies will be involved in setting the targets and adopting new guidelines, local governments and the MPOs will not only provide input into setting the targets, but will serve as the lead on implementation. Member cities and counties working through their MPOs are tasked with development of the new integrated regional planning and transportation strategies designed to meet the GHG targets.

SB 375 also includes a provision that applies to all regional transportation planning agencies in the State that recognizes the rural contribution towards reducing GHGs. More specifically, the bill requires regional transportation agencies to consider financial incentives for cities and counties that have rural areas or farmland, for the purposes of, for example, transportation investments for the preservation and safety of the city street or county road system, farm to market, and interconnectivity transportation needs. An MPO or county transportation agency shall also consider financial assistance for counties to address countywide service responsibilities in counties that contribute towards the GHG emissions reductions targets by implementing policies for growth to occur within their cities.

SB 375 uses California Environmental Quality Act (CEQA) streamlining as an incentive to encourage residential projects, which help achieve AB 32 goals to reduce GHG emissions. Cities and counties that find the CEQA streamlining provisions attractive have the opportunity (but not the obligation) to align their planning decisions with the decisions of the region.

SB 375 provides more certainty for local governments and developers by framing how AB 32's reduction goal from transportation for cars and light trucks will be established. It should be noted, however, that SB 375 does not prevent CARB from adopting additional regulations under its AB 32 authority. However, based on the degree of consensus around SB 375 and early indications from CARB, such actions are not anticipated in the foreseeable future.⁶

CARB Guidance. The CARB has published draft guidance for setting interim GHG significance thresholds (October 24, 2008). The guidance is the first step toward developing the recommended Statewide interim thresholds of significance for GHG emissions that may be adopted by local agencies for their own use. The guidance does not attempt to address every type of project that may be subject to CEQA, but instead focuses on common project types that are responsible for substantial GHG emissions (i.e., industrial, residential, and commercial projects). The CARB believes that thresholds in these important sectors will advance climate objectives, streamline project review, and encourage consistency and uniformity in the CEQA analysis of GHG emissions throughout the State.

SCAQMD Guidance. The SCAQMD has convened a GHG CEQA Significance Threshold Working Group to provide guidance to local lead agencies on determining significance for GHG emissions in their CEQA documents. Members of the working group include government agencies implementing CEQA and representatives from various stakeholder groups that will provide input to the SCAQMD staff on developing GHG CEQA significance thresholds. On December 5, 2008, the SCAQMD Governing Board adopted the staff proposal for an interim GHG significance threshold for projects where the SCAQMD is lead agency. The SCAQMD has not adopted guidance for CEQA projects under other lead agencies.

Green LA Action Plan. The City of Los Angeles has issued guidance promoting green building to reduce GHG emissions. The goal of the Green LA Action Plan (Plan) is to reduce greenhouse gas emissions 35 percent below 1990 levels by 2030.⁷ The Plan identifies objectives and actions designed to make the City a leader in confronting global climate change. The measures would reduce emissions directly from municipal facilities and operations, and create a framework to address City-wide GHG emissions. The Plan lists various focus areas in which to implement GHG reduction strategies. Focus areas listed in the Plan include energy, water, transportation, land use, waste, port, airport, and ensuring that changes to the local climate are incorporated into planning and building decisions. The Plan discusses City goals for each focus area, as follows:

Energy

- Increase the generation of renewable energy;
- Encourage the use of mass transit;
- Develop sustainable construction guidelines;

⁶American Planning Association, California Chapter, *Analysis of SB 375*, <http://www.calapa.org/en/cms/?2841>, accessed October 27, 2009.

⁷City of Los Angeles, *Green LA: An Action Plan to Lead the Nation in Fighting Global Warming*, May 2007.

- Increase City-wide energy efficiency; and
- Promote energy conservation.

Water

- Decrease per capita water use to reduce electricity demand associated with water pumping and treatment.

Transportation

- Power the City vehicle fleet with alternative fuels; and
- Promote alternative transportation (e.g., mass transit and rideshare).

Other Goals

- Create a more livable City through land use regulations;
- Increase recycling, reducing emissions generated by activity associated with the Port of Los Angeles and regional airports;
- Create more City parks, promoting the environmental economic sector; and
- Adapt planning and building policies to incorporate climate change policy.

The City adopted an ordinance to establish a green building program in April 2008. The ordinance establishes green building requirements for projects involving 50 or more dwelling units. The Green Building Program was established to reduce the use of natural resources, create healthier living environments and minimize the negative impacts of development on local, regional, and global ecosystems. The program addresses the following five areas:

- Site: location, site planning, landscaping, storm water management, construction and demolition recycling
- Water Efficiency: efficient fixtures, wastewater reuse, and efficient irrigation
- Energy and Atmosphere: energy efficiency, and clean/renewable energy
- Materials and Resources: materials reuse, efficient building systems, and use of recycled and rapidly renewable materials
- Indoor Environmental Quality: improved indoor air quality, increased natural lighting, and thermal comfort/control

3.3 EXISTING AIR QUALITY

3.3.1 Air Pollution Climatology

The project site is located within the Los Angeles County portion of the Basin. Ambient pollution concentrations recorded in Los Angeles County are among the highest in the four counties comprising the Basin.

The Basin is in an area of high air pollution potential due to its climate and topography. The general region lies in the semi-permanent high pressure zone of the eastern Pacific, resulting in a mild climate tempered by cool sea breezes with light average wind speeds. The Basin experiences warm summers, mild winters, infrequent rainfalls, light winds, and moderate humidity. This usually mild climatological pattern is interrupted infrequently by periods of extremely hot weather, winter storms, or Santa Ana winds. The Basin is a coastal plain with

connecting broad valleys and low hills, bounded by the Pacific Ocean to the west and high mountains around the rest of its perimeter. The mountains and hills within the area contribute to the variation of rainfall, temperature, and winds throughout the region.

The Basin experiences frequent temperature inversions. Temperature typically decreases with height. However, under inversion conditions, temperature increases as altitude increases, thereby preventing air close to the ground from mixing with the air above it. As a result, air pollutants are trapped near the ground. During the summer, air quality problems are created due to the interaction between the ocean surface and the lower layer of the atmosphere. This interaction creates a moist marine layer. An upper layer of warm air mass forms over the cool marine layer, preventing air pollutants from dispersing upward. Additionally, hydrocarbons and NO₂ react under strong sunlight, creating smog. Light, daytime winds, predominantly from the west, further aggravate the condition by driving air pollutants inland, toward the mountains. During the fall and winter, air quality problems are created due to CO and NO₂ emissions. CO concentrations are generally worse in the morning and late evening (around 10:00 p.m.). In the morning, CO levels are relatively high due to cold temperatures and the large number of cars traveling. High CO levels during the late evenings are a result of stagnant atmospheric conditions trapping CO in the area. Since CO emissions are produced almost entirely from automobiles, the highest CO concentrations in the Basin are associated with heavy traffic. NO₂ concentrations are also generally higher during fall and winter days.

3.3.2 Local Climate

The mountains and hills within the Basin contribute to the variation of rainfall, temperature, and winds throughout the region. Within the project site and its vicinity, the average wind speed, as recorded at the Downtown Los Angeles Wind Monitoring Station, is approximately five miles per hour. Wind in the vicinity of the project site predominately blows from the southwest.⁸

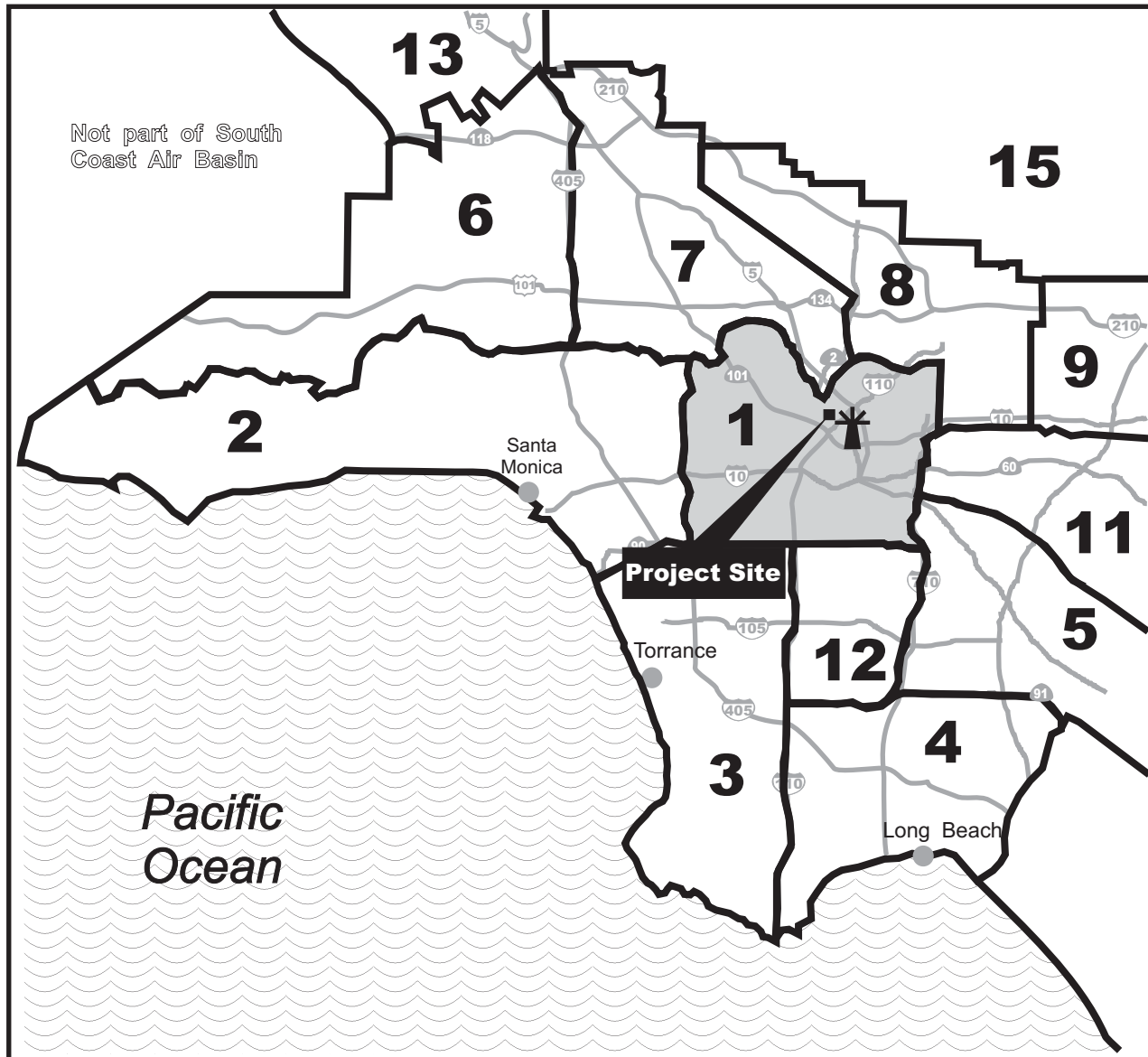
The annual average temperature in the project area is 64.9°F. The project area experiences an average winter temperature of approximately 58.0°F and an average summer temperature of approximately 71.5°F. Total precipitation in the project area averages approximately 15 inches annually. Precipitation occurs mostly during the winter and relatively infrequently during the summer. Precipitation averages approximately nine inches during the winter, approximately four inches during the spring, approximately two inches during the fall, and less than one inch during the summer.⁹

3.3.3 Air Monitoring Data

The SCAQMD monitors air quality conditions at 38 locations throughout the Basin. The Project Site is located in SCAQMD's Central Los Angeles County Air Monitoring Subregion, which is served by the Downtown Los Angeles Monitoring Station, is located approximately two miles east of the project site located at 1630 North Main Street in the City of Los Angeles (**Figure 3-2**). Historical data from the Downtown Los Angeles Monitoring Station were used to characterize existing conditions in the vicinity of the project area. Criteria pollutants monitored at the Downtown Los Angeles Monitoring Station include O₃, CO, and NO₂, SO₂, PM_{2.5} and PM₁₀.

⁸SCAQMD, Meteorological Data, available at <http://www.aqmd.gov/smog/metdata/MeteorologicalData.html>, accessed October 27, 2009. See Appendix A.

⁹Western Regional Climate Center, Historical Climate Information, available at <http://www.wrcc.dri.edu>, accessed October 27, 2009.



LEGEND: * Downtown Los Angeles Monitoring Station

Air Monitoring Areas in Los Angeles County:

- | | |
|---------------------------------|--------------------------------------|
| 1. Central Los Angeles | 9. East San Gabriel Valley |
| 2. Northwest Coastal | 10. Pomona/Walnut Valley (not shown) |
| 3. Southwest Coastal | 11. South San Gabriel Valley |
| 4. South Coastal | 12. South Central Los Angeles |
| 5. Southeast Los Angeles County | 13. Santa Clarita Valley |
| 6. West San Fernando Valley | 15. San Gabriel Mountains |
| 7. East San Fernando Valley | |
| 8. West San Gabriel Valley | |

SOURCE: South Coast Air Quality Management District Air Monitoring Areas Map, 1999

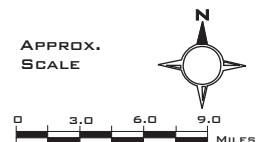


FIGURE 3-2

AIR MONITORING AREAS

Table 3-2 shows pollutant levels, the State and federal standards, and the number of exceedances recorded at the Downtown Los Angeles Monitoring Station compared to the Metropolitan General Forecast Area (Forecast Area) from 2006 to 2008.

TABLE 3-2: 2006-2008 AMBIENT AIR QUALITY DATA IN PROJECT VICINITY							
Pollutant	Pollutant Concentration & Standards	Downtown Los Angeles Monitoring Station			Metropolitan General Forecast Area /a,b/		
		Number of Days Above State Standard					
		2006	2007	2008	2006	2007	2008
Ozone	Maximum 1-hr Concentration (ppm)	0.11	0.12	0.11	0.12	0.12	0.10
	Days > 0.09 ppm (State 1-hr standard)	8	3	3	1	1	3
	Days > 0.12 ppm (Federal 1-hr standard)	0	0	0	0	0	0
Carbon Monoxide	Maximum 1-hr concentration (ppm)	3	3	3	6	6	5
	Days > 20 ppm (State 1-hr standard)	0	0	0	0	0	0
	Maximum 8-hr concentration (ppm)	2.6	2.2	2.1	4.0	3.5	3.1
	Days > 9.0 ppm (State 8-hr standard)	0	0	0	0	0	0
Nitrogen Dioxide	Maximum 1-hr Concentration (ppm)	0.11	0.10	0.12	0.11	0.09	0.11
	Days > 0.18 ppm (State 1-hr standard)	0	0	0	0	0	0
PM ₁₀	Maximum 24-hr concentration (µg/m ³)	59	78	66	59	78	66
	Days > 50 µg/m ³ (State 24-hr standard)	3	5	3	4	4	3
PM _{2.5}	Annual Arithmetic Mean (µg/m ³)	16	17	16	16	16	16
	Exceed State Standard (12 µg/m ³)?	Yes	Yes	Yes	Yes	Yes	Yes
Sulfur Dioxide	Maximum 24-hr Concentration (ppm)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Days > 0.04 ppm (State 24-hr standard)	0	0	0	0	0	0
/a/ The Metropolitan General Forecast Area includes the Central Los Angeles County, South Central Los Angeles County, Southeast Los Angeles County, and North Orange County air monitoring areas of the SCAQMD. Data is no longer available from the Southeast Los Angeles County subregion. /b/ An average of the maximum concentration of each criteria pollutant of the air monitoring areas of the Metropolitan General Forecast Area was used to represent maximum concentrations in the Metropolitan General Forecast Area. SOURCE: SCAQMD, Historical Data by Year, available at http://www.aqmd.gov/smog/historicaldata.htm , accessed October 27, 2009.							

The CAAQS for the criteria pollutants are also shown in the table. As **Table 3-2** indicates, criteria pollutants CO, NO₂, and SO₂ did not exceed the CAAQS during the 2006 to 2008 period. The one-hour State standard for O₃ was exceeded three to eight times during this period, and the eight-hour State standard for O₃ was exceeded four to seven times. The 24-hour State standard for PM₁₀ was exceeded three to five times during this period. The annual State standard for PM_{2.5} was exceeded during the year 2006 to 2008 period. When compared to the Forecast area the Downtown Los Angeles Monitoring Station recorded concentrations of averages of the O₃, NO₂, SO₂, PM_{2.5} and PM₁₀ that were similar to the average concentrations of the Forecast Area's monitoring areas.

3.3.4 Sensitive Receptors

Some land uses are considered more sensitive to changes in air quality than others, depending on the population groups and the activities involved. CARB has identified the following typical groups who are most likely to be affected by air pollution: children under 14, the elderly over 65 years of age, athletes, and people with cardiovascular and chronic respiratory diseases. According to the SCAQMD, sensitive receptors include residences, schools, churches, playgrounds, child care centers, athletic facilities, long-term health care facilities, rehabilitation

centers, convalescent centers, and retirement homes. Churches are not listed by the SCAQMD as a sensitive receptor. However, they are considered to be sensitive to air pollution in this analysis because they typically function as a gathering location for adults and children.

As shown in **Figure 3-3**, sensitive receptors within one-quarter mile (1,320 feet) of the project site include the following:

- Single- and multi-family residences located approximately 70 feet west of the project site
- Single- and multi-family residences located approximately 70 feet east of the project site
- Single- and multi-family residences located approximately 70 feet north of the project site
- Angelus Temple located approximately 70 feet north of the project site
- Saint Athanasius Episcopal Church located approximately 70 feet east of the project site
- Echo Park Recreation Center located approximately 95 feet south of the project site
- Echo Park Child Care Center located approximately 550 feet southeast of the project site

The above sensitive receptors represent the nearest sensitive receptors with the potential to be impacted by air emissions. Additional sensitive receptors are located in the surrounding community and may be impacted by air emissions.

3.4 METHODOLOGY AND SIGNIFICANCE CRITERIA

3.4.1 Methodology

This air quality analysis is consistent with the methods described in the SCAQMD *CEQA Air Quality Handbook* (1993 edition), as well as the updates to the *CEQA Air Quality Handbook*, as provided on the SCAQMD website.¹⁰

Construction Emissions

Regional and localized construction emissions were analyzed to determine impacts. A worst-case scenario was developed based assumptions provided by the project design and engineering team. Construction emissions were calculated using calculation formulas published by the SCAQMD and USEPA. Heavy-duty truck and worker vehicle emission rates were obtained from the EMFAC2007 model. Equipment emission factors were obtained from the OFFROAD2007 model.

The localized construction analysis followed guidelines published by the SCAQMD in the Localized Significance Methodology for CEQA Evaluations (SCAQMD Localized Significance Threshold (LST) Guidance Document).¹¹ In January 2005, the SCAQMD supplemented the SCAQMD LST Guidance Document with Sample Construction Scenarios for Projects Less than Five Acres in Size.

¹⁰SCAQMD, <http://www.aqmd.gov/ceqa/hdbk.html>, accessed November 25, 2009.

¹¹SCAQMD, *Localized Significance Methodology*, June 2003, revised July 2008.



LEGEND:

- Project Site
- # Sensitive Receptors

- 1. Angelus Temple
- 2. Single- and Multi-Family Residences
- 3. Saint Athanasius Episcopal Church
- 4. Echo Park Recreation Center
- 5. Echo Park Child Care Center

SOURCE: TAHA, 2010



Echo Park Lake Rehabilitation Project
Air Quality & Noise Impact Report

taha 2009-034 AECOM

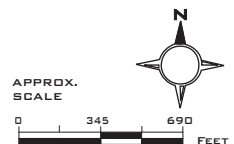


FIGURE 3-3

SENSITIVE RECEPTOR LOCATIONS

Assumptions used for the construction calculations are as follows:

Construction

- Start Year: 2011
- Maximum Heavy-Duty Equipment to be operated in one day: 10 pieces
- Hours per day of heavy-duty equipment use: 10 hours
- Maximum acres of land disturbed in one day: 5 acres
- Maximum cubic yards of soil handled in one day: 6,000 cubic yards
- Maximum Haul Trucks per day: 85 trips per day

Health Risk Assessment

A health risk assessment (HRA) was completed using emissions factors from EMFAC2007 and OFFROAD2007 for haul truck and on-site heavy equipment emissions, respectively. ISC-AERMOD dispersion modeling software was used to determine the concentrations of diesel particulate matter generated from haul truck trips and heavy equipment used in and around the project site.

The HRA was prepared based on emissions from haul trucks and diesel-powered construction equipment. The first step was to calculate the mass emissions from these sources. The proposed project would generate 8,858 truck trips during the construction phase. On-road truck emissions were calculated based on the haul route from the project site to US Highway 101 and emission rates from the EMFAC2007 model. It was assumed that each truck would idle on the project site for 15 minutes, and the idle emission rate was also obtained from the EMFAC2007 model. Equipment emissions were obtained from the OFFROAD model. It was assumed that ten pieces of equipment would operate on the project site.

The truck and equipment emission rates were input into the AERMOD dispersion model to obtain annual exposure concentrations. The model is a steady state Gaussian plume model for estimating ground level impacts from point, area, and volume sources in simple and complex terrain. The model offers additional flexibility by allowing the user to assign initial vertical and lateral dispersion parameters for stationary sources. Truck emissions were modeled based on SCAQMD Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis (August 2003). Idle emissions were treated as an area source with a five-meter release height. On-road emissions along the haul route were input as a line source with a release height of five meters.

Construction equipment emissions were modeled based on guidance from the SCAQMD Localized Significance Methodology. Equipment emissions were input as an area source with a release height of five meters. Based on SCAQMD guidance, a 50-meter receptor grid was used to obtain the maximum annual pollutant concentration and the receptor release height was set at 0.0 meters. AERMOD utilized surface meteorological and upper air data from the Downtown Los Angeles station.

3.4.2 Significance Criteria

The following are the significance criteria SCAQMD has established to determine project construction impacts. The proposed project would have a significant impact if:

- Daily regional and localized construction emissions were to exceed SCAQMD construction emissions thresholds for VOC, NO_x, CO, SO_x, PM_{2.5}, or PM₁₀, as presented in **Table 3-3**;
- Project-related construction traffic causes CO concentrations at study intersections to violate the CAAQS for either the one- or eight-hour period. The CAAQS for the one- and eight-hour periods are 20 ppm and 9.0 ppm, respectively;
- The proposed project would generate TAC emissions that generate a health risk that exceeds ten persons in one million; and/or
- The proposed project would create an odor nuisance.

TABLE 3-3: SCAQMD DAILY CONSTRUCTION EMISSIONS THRESHOLDS

Criteria Pollutant	Regional Emissions (Pounds Per Day) /a/	Localized Emissions (Pounds Per Day) /a/
Volatile Organic Compounds (VOC)	75	--
Nitrogen Oxides (NO _x)	100	161
Carbon Monoxide (CO)	550	1,861
Sulfur Oxides (SO _x)	150	--
Fine Particulates (PM _{2.5})	55	8
Particulates (PM ₁₀)	150	16

/a/ The analysis assumed a five-acre project site and a 25-meter (82-foot) receptor distance.
SOURCE: SCAQMD, 2009.

3.5 ENVIRONMENTAL IMPACTS

3.5.1 Construction Phase

Regional Impacts

Construction of the proposed project has the potential to create air quality impacts through the use of heavy-duty construction equipment and through vehicle trips generated by construction workers traveling to and from the project site. Fugitive dust emissions would primarily result from site preparation (e.g., excavation) activities. NO_x emissions would primarily result from the use of construction equipment. The assessment of construction air quality impacts considers each of these potential sources. Construction emissions can vary substantially from day to day, depending on the level of activity, the specific type of operation and, for dust, the prevailing weather conditions.

It is mandatory for all construction projects in the Basin to comply with SCAQMD Rule 403 for Fugitive Dust. Specific Rule 403 control requirements include, but are not limited to, applying water in sufficient quantities to prevent the generation of visible dust plumes, applying soil binders to uncovered areas, reestablishing ground cover as quickly as possible, utilizing a wheel washing system to remove bulk material from tires and vehicle undercarriages before vehicles exit the project site, and maintaining effective cover over exposed areas. Compliance with Rule 403 would reduce PM_{2.5} and PM₁₀ emissions associated with construction activities by approximately 61 percent.

Table 3-4 shows the estimated daily emissions associated with each construction phase. Daily construction emissions would exceed the SCAQMD regional thresholds for NO_x, and regional construction emissions would result in a significant impact.

TABLE 3-4: ESTIMATED DAILY CONSTRUCTION EMISSIONS - UNMITIGATED						
Construction Phase	Pounds Per Day					
	VOC	NO _x	CO	SO _x	PM _{2.5} /a/	PM ₁₀ /a/
Maximum Daily Construction Emissions	24	229	99	<1	25	87
Regional Significance Threshold	75	100	550	150	55	150
Exceed Threshold?	No	Yes	No	No	No	No
Maximum Daily Construction Emissions	17	151	53	<1	22	84
Localized Significance Threshold /b/	--	161	1,861	--	8	16
Exceed Threshold?	No	No	No	No	Yes	Yes
/a/ URBEMIS2007 emissions for fugitive dust were adjusted to account for a 61 percent control efficiency associated with SCAQMD Rule 403. /b/ SCAQMD has not developed localized significance methodology for VOC or SO _x . SOURCE: TAHA, 2009 (Appendix D).						

Localized Impacts

Emissions for the localized construction air quality analysis of PM_{2.5}, PM₁₀, CO, and NO₂ were compiled using LST methodology required by the SCAQMD.¹² Localized on-site emissions were calculated using similar methodology to the regional emission calculations. LSTs were developed based upon the size or total area of the emissions source, the ambient air quality in each source receptor area, and the distance to the sensitive receptor. LSTs for CO and NO₂ were derived by using an air quality dispersion model to back-calculate the emissions per day that would cause or contribute to a violation of any ambient air quality standard for a particular source receptor area. Construction PM_{2.5} and PM₁₀ LSTs were derived using a dispersion model to back-calculate the emissions necessary to exceed a concentration equivalent to 50 µg/m³ over five hours, which is the SCAQMD Rule 403 control requirement.

Table 3-4 shows the estimated daily localized emissions associated with construction activity. Daily construction emissions would exceed the SCAQMD localized significance thresholds for PM_{2.5} and PM₁₀. Localized construction emissions would result in a significant impact.

Construction CO Hotspot Analysis

There is a direct relationship between traffic/circulation congestion and CO impacts since exhaust fumes from vehicular traffic are the primary source of CO. CO is a localized gas that dissipates very quickly under normal meteorological conditions. Therefore, CO concentrations decrease substantially as distance from the source (intersection) increases. The highest CO concentrations are typically found in areas directly adjacent to congested roadway intersections.

¹²The concentrations of SO₂ are not estimated because construction activities would generate a small amount of SO_x emissions. No State standard exists for VOC. As such, concentrations for VOC were not estimated.

The State one- and eight-hour CO standards may potentially be exceeded at congested intersections with high traffic volumes. An exceedance of the State CO standards at an intersection is referred to as a CO hotspot. The SCAQMD recommends a CO hotspot evaluation of potential localized CO impacts when V/C ratios are increased by two percent at intersections with a LOS of D or worse. SCAQMD also recommends a CO hotspot evaluation when an intersection decreases in LOS by one level beginning when LOS changes from C to D.

Baseline and Construction-related CO concentrations were modeled at three intersections near the project site. The study intersections were selected to be representative of the project area and were based on traffic volume to capacity (V/C) ratio and the traffic level of service (LOS) as indicated in the traffic analysis.^{13,14}

Based on the traffic study, the selected intersections are as follows:

- Glendale Boulevard/Bellevue Avenue – AM Peak Hour
- Glendale Boulevard/Temple Avenue – AM Peak Hour
- Glendale Boulevard/Temple Avenue – PM Peak Hour

The USEPA CAL3QHC micro-scale dispersion model was used to calculate CO concentrations for 2013 “no project” and “project” conditions. CO concentrations at the analyzed intersection are shown for the AM and PM peak hours in **Table 3-5**. One-hour CO concentrations under “project” conditions would be approximately 3 ppm at worst-case sidewalk receptors. Eight-hour CO concentrations under “project” conditions would range from approximately 2.7 to 2.8 ppm. The State one- and eight-hour standards of 20 and 9.0 ppm, respectively, would not be exceeded at the analyzed intersections. Localized CO concentrations would result in a less-than-significant impact.

TABLE 3-5: 2009 AND 2013 CARBON MONOXIDE CONCENTRATIONS FOR CONSTRUCTION TRAFFIC /a/						
Intersection	1-hour (parts per million)			8-hour (parts per million)		
	Existing (2009)	No Project (2013)	Project (2013)	Existing (2009)	No Project (2013)	Project (2013)
Glendale Boulevard/Bellevue Avenue (AM)	4	3	3	3.4	2.8	2.8
Glendale Boulevard/Temple Avenue (AM)	4	3	3	3.4	2.7	2.7
Glendale Boulevard/Temple Avenue (PM)	4	3	3	3.4	2.7	2.7
State Standard	20			9.0		
/a/ Existing concentrations include year 2009 one- and eight-hour ambient concentrations of 3 and 2.6 ppm, respectively. No Project and Project concentrations include year 2013 one- and eight-hour ambient concentrations of 2 and 2 ppm, respectively. SOURCE: TAHA, 2010 (Appendix C).						

¹³Level of service is used to indicate the quality of traffic flow on roadway segments and at intersections. Level of service ranges from LOS A (free flow, little congestion) to LOS F (forced flow, extreme congestion).

¹⁴Fehr & Peers, Transportation Consultants, *Traffic Study for the Echo Park Lake Rehabilitation Project*, January 2010.

Toxic Air Contaminant Impacts

The greatest potential for TAC emissions during construction would be from diesel particulate emissions associated with heavy equipment operations and haul trucks during the import and export of materials to the project site. The haul truck route travels along Echo Park Avenue, Bellevue Avenue, Glendale Boulevard, Palo Alto Street, and along the US 101 Freeway, all which are segments adjacent or near to Echo Park Lake. According to SCAQMD methodology, health effects from carcinogenic air toxics are usually described in terms of individual cancer risk. "Individual Cancer Risk" is the likelihood that a person continuously exposed to concentrations of TACs over a 70-year lifetime will contract cancer based on the use of standard risk assessment methodology.

Carcinogenic compounds are not considered to have threshold levels (i.e., dose levels below which there are no risks). Any exposure, therefore, will have some associated risk. As a result, the State of California has established a threshold of one in one hundred thousand (1.0E-05) as a level posing no significant risk for exposures to carcinogens regulated under the Safe Drinking Water and Toxic Enforcement Act (Proposition 65).

Health risks associated with exposure to carcinogenic compounds can be defined in terms of the probability of developing cancer as a result of exposure to a chemical at a given concentration. Under a deterministic approach (i.e., point estimate methodology), the cancer risk probability is determined by multiplying the chemical's annual concentration by its unit risk factor (URF). The URF is a measure of the carcinogenic potential of a chemical when a dose is received through the inhalation pathway. It represents an upper bound estimate of the probability of contracting cancer as a result of continuous exposure to an ambient concentration of one microgram per cubic meter ($\mu\text{g}/\text{m}^3$) over a 70-year lifetime.

The carcinogenic risk was calculated based on the SCAQMD Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis. According to this document, the cancer risks from diesel particulate matter associated with motor vehicles occur exclusively through the inhalation pathway. Therefore, the cancer risks can be estimated from the following equation:

$$\text{CR}_{\text{DPM}} = \text{C}_{\text{DPM}} \times \text{URF}_{\text{DPM}} \times \text{LEA}$$

where,

CR_{DPM}	Cancer risks from diesel particulate matter; the probability of an individual developing cancer as a result of exposure to diesel particulate matter.
C_{DPM}	Annual average diesel particulate matter concentration in $\mu\text{g}/\text{m}^3$.
URF_{DPM}	Unit risk factor for diesel particulate matter; estimated probability that a person will contract cancer as a result of inhalation of a diesel particulate matter concentration of 1 $\mu\text{g}/\text{m}^3$ continuously over a period of 70 years.
LEA	Lifetime exposure adjustment.

The URF utilized in the assessment and corresponding cancer potency factors was obtained from California Office of Environmental Health Hazard Assessment (OEHHA) guidance. The LEA accounts for the fact that exposure would be less than 70 years. Based on information provided by the project design and engineering team, the exposure level was adjusted to account for 10 hours per day, 5 days per week, 48 weeks per year, and 2 years.

Figure 3-4 is a contour map showing exposure concentrations to diesel particulate matter generated during construction activity. The maximum off-site annual concentration would be 0.85 micrograms per cubic meter. This results in a carcinogenic risk of 2.2 persons in one million, which is less than the ten persons in one million significance threshold. Construction-related diesel emissions would result in a less-than-significant impact.

Odor Impacts

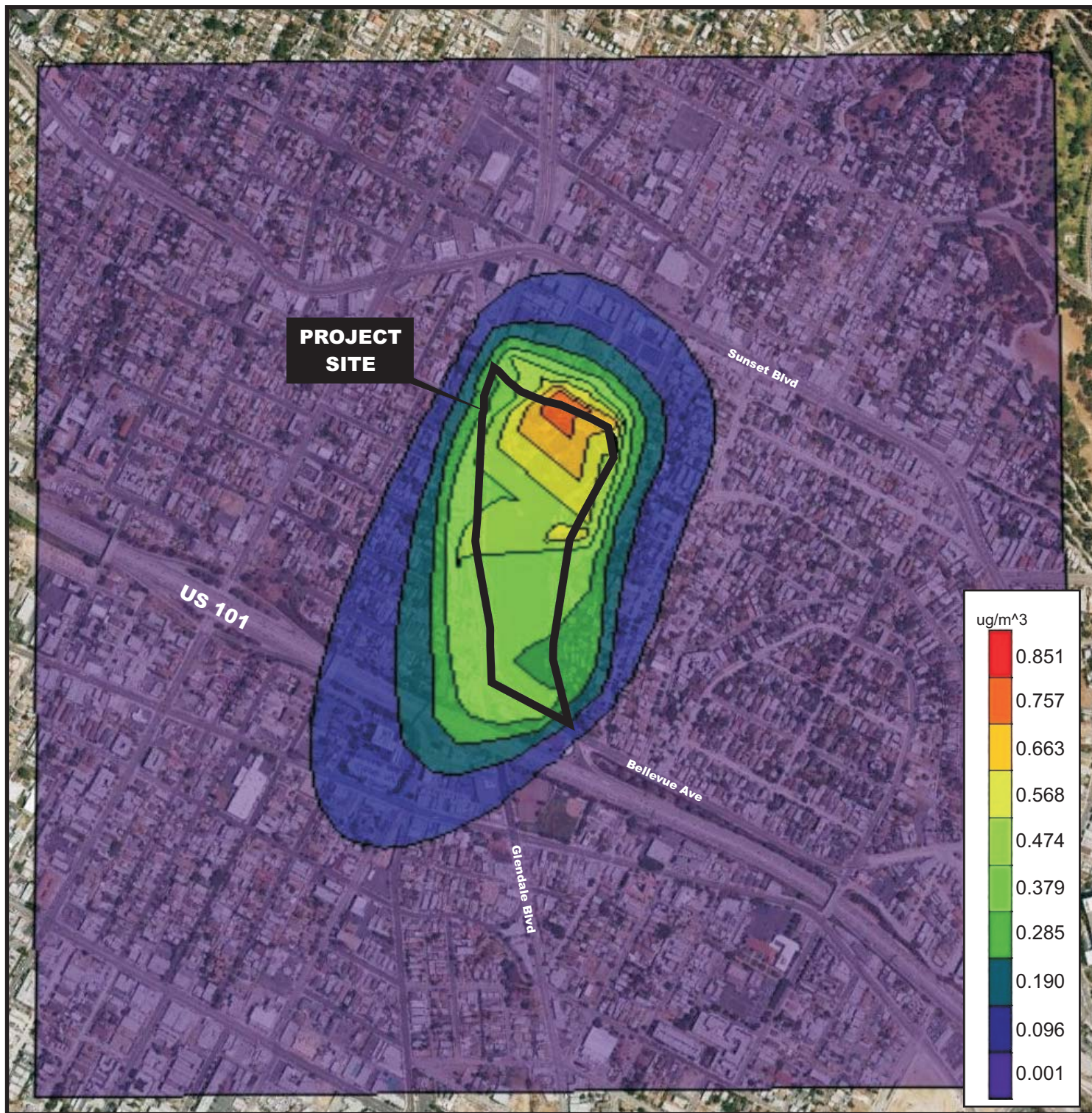
Potential sources that may emit odors during construction activities include equipment exhaust excavated organic matter from the lake bottom. Odors from equipment exhaust would be localized and generally confined to the immediate area surrounding the project site. The proposed project would utilize typical construction techniques, and the equipment odors would be typical of most construction sites and temporary in nature. Construction equipment would not cause an odor nuisance.

A Technical Memorandum on *Odor Control Management for Lake Excavation* was prepared to assess potential construction odor impacts associated with organic matter from the lake bottom.¹⁵ Geotechnical borings and sediment samples indicate that there is an accumulated layer of sediment in the Lake bottom that is approximately one foot thick and contains organic matter. Construction of the proposed project would involve the removal of sediment and other materials from the Lake bed. Once these materials are removed, they would be required to be piled in the staging areas established on the project site and dried for a period of approximately one to two months. During the drying activities, various odors may be emitted from the sediment piles due to decomposition of organic materials temporarily impacting the sensitive receptors in the project area. As such, construction odors would result in a significant impact without mitigation.

Construction Phase Mitigation Measures

- AQ1** Water or a stabilizing agent shall be applied to exposed surfaces in sufficient quantity to prevent generation of dust plumes.
- AQ2** The construction contractor shall utilize at least one of the following measures at each vehicle egress from the project site to a paved public road:
- Install a pad consisting of washed gravel maintained in clean condition to a depth of at least six inches and extending at least 30 feet wide and at least 50 feet long;
 - Pave the surface extending at least 100 feet and at least 20 feet wide;
 - Utilize a wheel shaker/wheel spreading device consisting of raised dividers at least 24 feet long and 10 feet wide to remove bulk material from tires and vehicle undercarriages; or
 - Install a wheel washing system to remove bulk material from tires and vehicle undercarriages.
- AQ3** All haul trucks hauling soil, sand, and other loose materials shall be covered (e.g., with tarps or other enclosures that would reduce fugitive dust emissions).

¹⁵Black & Veatch Corporation, *Echo Lake Park Rehabilitation Project Technical Memorandum on Odor Control Management for Lake Excavation*, April 2010.



LEGEND:



SOURCE: TAHA, 2010

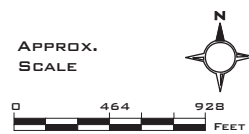


FIGURE 3-4

HRA CONTOURS

- AQ4** Construction activity on unpaved surfaces shall be suspended when winds exceed 25 miles per hour.
- AQ5** Heavy-duty equipment operations shall be suspended during first and second stage smog alerts.
- AQ6** Ground cover in disturbed areas shall be replaced as quickly as possible.
- AQ7** Contractors shall maintain equipment and vehicle engines in good condition and in proper tune per manufacturers' specifications.
- AQ8** Contractors shall utilize electricity from the electrical grid rather than temporary diesel or gasoline generators, as feasible.
- AQ9** Heavy-duty trucks shall be prohibited from idling in excess of five minutes, both on- and off-site.
- AQ10** All diesel-powered construction equipment in use shall require control equipment that meets at a minimum Tier III emissions requirements. In the event Tier III equipment is not available, diesel powered construction equipment in use shall require emissions control equipment with a minimum of Tier II diesel standards.
- AQ11** The construction contractor shall be required to develop an Odor Control Management Plan to meet the limits of 10 parts per billion hydrogen sulfide at the site perimeter. The Plan shall include the following elements:
- A methodology for phased or staged operations to minimize the surface area of sediment exposed during lake draining and material removal and handling.
 - Monitoring and recording of hydrogen sulfide at the construction site perimeter to ensure compliance and implementation of the Plan.
 - Monitoring with a field olfactometer to establish threshold levels at which additional measures must be incorporated to limit total odors.
 - Utilization of lime stabilization (or similar technology) to speed the dewatering process for the sediment layer which contains organic material. Sufficient lime should be stockpiled to enable the contractor to raise the pH level to 12 to contain odors and suppress microbiological decay of the organic material to objectionable gas products. The quantity of lime will be dependent on the contractors stating plan and how much area is to be uncovered.
 - Procurement and local storage of an oxidizing chemical that can be applied in liquid form to treat stock piles of sediment or particularly odorous excavation areas.
- AQ12** The bid schedule shall include an allowance of \$50,000 to be used as directed by the City to mitigate odor issues during periods when the contractor is meeting the hydrogen sulfide standard but additional measures are needed because of complaints or olfactometer readings.
- AQ13** The City shall establish a neighborhood odor monitoring group to monitor and record odor conditions from the community viewpoint.

Impacts After Mitigation

Implementation of Mitigation Measures **AQ1** through **AQ6** would ensure that fugitive dust emissions would be reduced by approximately 61 percent. Consequently, daily $PM_{2.5}$ and PM_{10} emissions would still be less than the SCAQMD threshold of 150 pounds per day. Implementation of Mitigation Measure **AQ7** would reduce engine emissions by approximately five percent. Implementation of Mitigation Measures **AQ8** through **AQ10**, while difficult to quantify, would also reduce construction emissions. Mitigated construction regional emissions would continue to exceed the SCAQMD regional threshold for NO_x . Regional construction emissions would result in an unavoidable, significant air quality impact.

Daily construction emissions would continue to exceed the SCAQMD localized significance thresholds for $PM_{2.5}$ and PM_{10} emissions even after mitigation. Localized construction emissions would result in an unavoidable, significant air quality impact.

Implementation of Mitigation Measures **AQ11** and **AQ13** would help ensure that odors emitted during construction activity would be contained and dispersed through a comprehensive odor control plan. As a result, construction odors would result in a less-than-significant impact.

3.5.2 Operational Phase

The proposed project focuses on the rehabilitation of the lake liner and structure, and includes the addition of trees and modifications made to the landscaping. These are seen as beneficial improvements that would not generate additional emissions sources. No new uses would be seated at the project site, and no additional traffic is anticipated to be generated from the rehabilitation of the lake structure. Therefore, operation of the proposed project would not be substantially altered from existing operations. Operational impacts would result in a less-than-significant impact.

Operational Phase Mitigation Measures

Operational air quality impacts would be less than significant, and no mitigation measures are required.

Impacts After Mitigation

Not applicable. The project-related operational emissions would result in a less-than-significant impact without mitigation.

3.6 CUMULATIVE IMPACTS

3.6.1 SCAQMD Methodology

The related projects include the development of hundreds of thousands of square feet of commercial and residential uses, a number that is many times greater than the proposed project. As the proposed project results in a regionally significant impact during construction relative to NO_x , it is anticipated that related project development would also result in significant regional impacts. While SCAQMD required mitigation measures would reduce air quality impacts, the proposed project would contribute to a cumulatively significant regional NO_x impact.

3.6.2 Global Climate Change

Generally, an individual project cannot generate enough GHG emissions to influence global climate change because it is the increased accumulation of GHGs which may result in global climate change. However, an individual project may contribute an incremental amount of GHG emissions that could combine with other emission sources to create concentrations of GHG that could influence climate change. For most projects, the main contribution of GHG emissions is from motor vehicles, but how much of those emissions are “new” is uncertain. New projects do not create new drivers, and therefore, do not create a new mobile source of emissions. Rather, new projects only redistribute the existing traffic patterns. Larger projects will certainly affect a larger geographic area, but again, would not necessarily cause the creation of new drivers. Some mixed-use, urban infill, and mass transit projects could actually reduce the number of vehicle miles traveled.

Worldwide population growth and the consequent use of energy is the primary reason for GHG emission increases. The market demand for goods and services and the use of land is directly linked to population changes and economic development trends within large geographies (e.g., regional, national, worldwide). Individual site-specific projects have a negligible effect on these macro population-driven and growth demand factors. Whether an individual site-specific project is constructed or not has little effect on GHG emissions. This is because the demand for goods and services in question would be provided in some other location to satisfy the demands of a growing population if not provided on the project site. The only exception to this basic relationship between population growth, development, energy consumption and GHG emissions would occur if the site-specific project (1) embodied features that were not typical of urban environment or developing communities, and (2) generated a disproportionate amount of vehicle miles of travel or had other unique and disproportionately high fuel consumption characteristics. The proposed project does not fall within these exceptions.

Construction activity would generate approximately 7,022 tons of GHG emissions over the entire construction period. Operational GHG emissions are not anticipated to change, as there will be no additional sources of mobile and stationary GHG emissions. In addition, a goal of the rehabilitation project is to reduce water use at the project site through improvements to the lake’s infrastructure. California’s water infrastructure uses energy to collect, move, and treat water; dispose of wastewater; and power the large pumps that move water throughout the State. California consumers also use energy to heat, cool, and pressurize the water they use in their homes and businesses. Together these water-related energy uses annually account for roughly 20 percent of the State’s electricity consumption, one-third of non-power plant natural gas consumption, and about 88 million gallons of diesel fuel consumption. The California Energy Commission has reported that the energy intensity of the water use cycle in Southern California is 12,700 kilowatt-hours per million gallons. Permanently reducing the amount of municipal water required to maintain the water level of the Lake would reduce long-term GHG emissions. For these reasons, the impact of the proposed project on the cumulative effect of global climate change is not cumulatively considerable and considered to be less than significant.

4.0 NOISE & VIBRATION

This section evaluates noise and vibration impacts associated with the implementation of the proposed project. The noise and vibration analysis in this section assesses: existing noise and vibration conditions at the project site and its vicinity, as well as short-term construction noise and vibration impacts associated with the proposed project. Mitigation measures for potentially significant impacts are recommended when appropriate to reduce noise and vibration levels.

4.1 NOISE AND VIBRATION CHARACTERISTICS AND EFFECTS

4.1.1 Noise

Characteristics of Sound

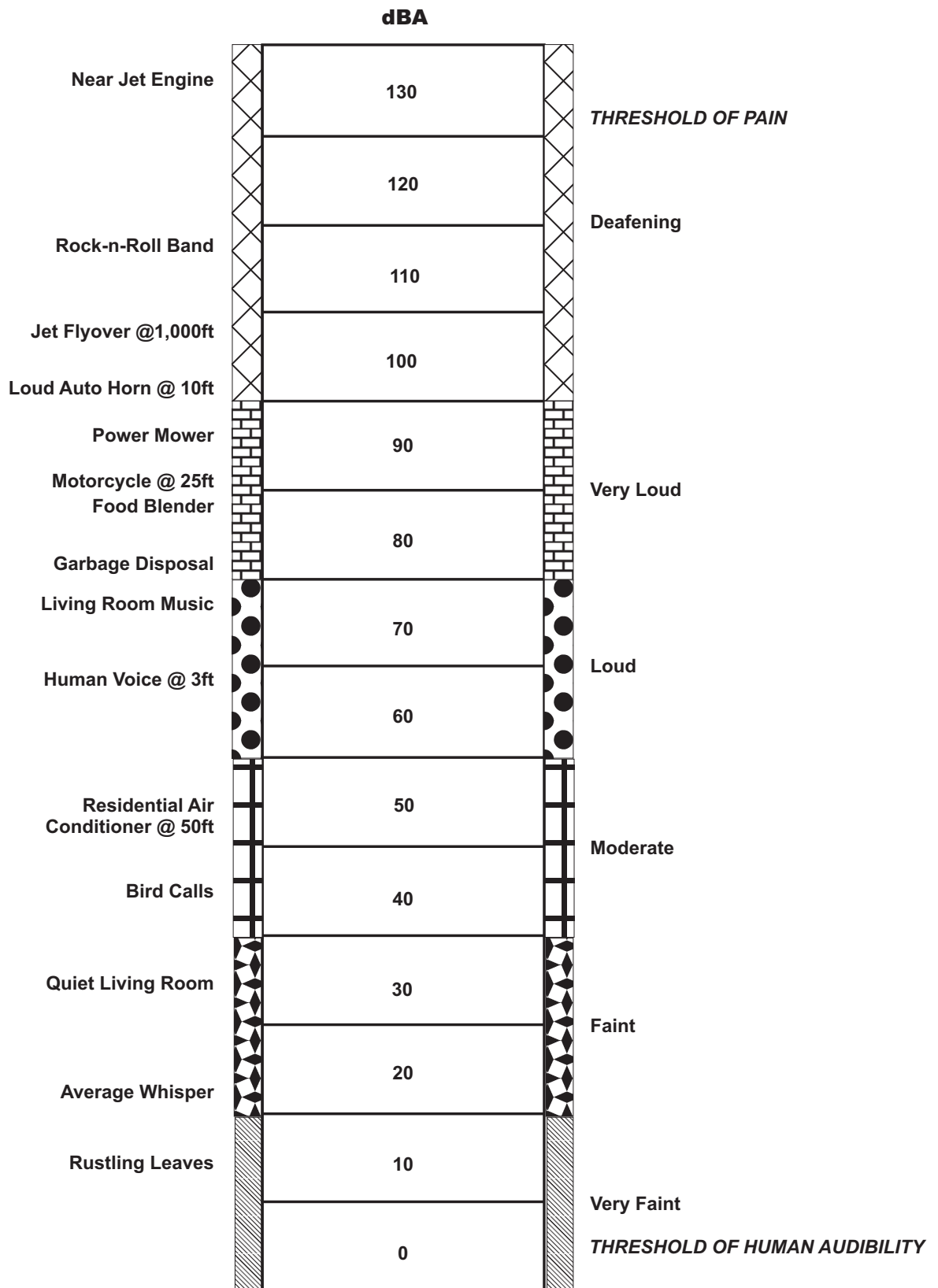
Sound is technically described in terms of the loudness (amplitude) and frequency (pitch) of the sound. The standard unit of measurement for sound is the decibel (dB). The human ear is not equally sensitive to sound at all frequencies. The “A-weighted scale,” abbreviated dBA, reflects the normal hearing sensitivity range of the human ear. On this scale, the range of human hearing extends from approximately 3 to 140 dBA. **Figure 4-1** provides examples of A-weighted noise levels from common sounds.

Noise Definitions

This noise analysis discusses sound levels in terms of Community Noise Equivalent Level (CNEL), Equivalent Noise Level (L_{eq}).

Community Noise Equivalent Level. CNEL is an average sound level during a 24-hour period. CNEL is a noise measurement scale, which accounts for noise source, distance, single event duration, single event occurrence, frequency, and time of day. Human reaction to sound between 7:00 p.m. and 10:00 p.m. is as if the sound were actually 5 dBA higher than if it occurred from 7:00 a.m. to 7:00 p.m. From 10:00 p.m. to 7:00 a.m., humans perceive sound as if it were 10 dBA higher due to the lower background level. Hence, the CNEL is obtained by adding an additional 5 dBA to sound levels in the evening from 7:00 p.m. to 10:00 p.m. and 10 dBA to sound levels in the night from 10:00 p.m. to 7:00 a.m. Because CNEL accounts for human sensitivity to sound, the CNEL 24-hour figure is always a higher number than the actual 24-hour average.

Equivalent Noise Level. L_{eq} is the average noise level on an energy basis for any specific time period. The L_{eq} for one hour is the energy average noise level during the hour. The average noise level is based on the energy content (acoustic energy) of the sound. L_{eq} can be thought of as the level of a continuous noise which has the same energy content as the fluctuating noise level. The equivalent noise level is expressed in units of dBA.



SOURCE: TAHA, 2010



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FIGURE 4-1

A-WEIGHTED DECIBEL SCALE

Effects of Noise

Noise is generally defined as unwanted sound. The degree to which noise can impact the human environment range from levels that interfere with speech and sleep (annoyance and nuisance) to levels that cause adverse health effects (hearing loss and psychological effects). Human response to noise is subjective and can vary greatly from person to person. Factors that influence individual response include the intensity, frequency, and pattern of noise, the amount of background noise present before the intruding noise, and the nature of work or human activity that is exposed to the noise source.

Audible Noise Changes

Studies have shown that the smallest perceptible change in sound level for a person with normal hearing sensitivity is approximately 3 dBA. A change of at least 5 dBA would be noticeable and would likely evoke a community reaction. A 10-dBA increase is subjectively heard as a doubling in loudness and would cause a community response.

Noise levels decrease as the distance from the noise source to the receiver increases. Noise generated by a stationary noise source, or “point source,” will decrease by approximately 6 dBA over hard surfaces (e.g., reflective surfaces such as parking lots or smooth bodies of water) and 7.5 dBA over soft surfaces (e.g., absorptive surfaces such as soft dirt, grass, or scattered bushes and trees) for each doubling of the distance. For example, if a noise source produces a noise level of 89 dBA at a reference distance of 50 feet, then the noise level would be 83 dBA at a distance of 100 feet from the noise source, 77 dBA at a distance of 200 feet, and so on. Noise generated by a mobile source will decrease by approximately 3 dBA over hard surfaces and 4.5 dBA over soft surfaces for each doubling of the distance.

Generally, noise is most audible when traveling by direct line-of-sight.¹⁶ Barriers, such as walls, berms, or buildings, that break the line-of-sight between the source and the receiver greatly reduce noise levels from the source since sound can only reach the receiver by bending over the top of the barrier (diffraction). Sound barriers can reduce sound levels by up to 20 dBA. However, if a barrier is not high or long enough to break the line-of-sight from the source to the receiver, its effectiveness is greatly reduced.

Applicable Regulations

The City of Los Angeles has established policies and regulations concerning the generation and control of noise that could adversely affect its citizens and noise sensitive land uses. Regarding construction, the Los Angeles Municipal Code (LAMC) indicates that no construction or repair work shall be performed between the hours of 9:00 p.m. and 7:00 a.m. the following day, since such activities would generate loud noises and disturb persons occupying sleeping quarters in any adjacent dwelling, hotel, apartment or other place of residence.¹⁷ No person, other than an individual home owner engaged in the repair or construction of his/her single-family dwelling, shall perform any construction or repair work of any kind or perform such work within 500 feet of land so occupied before 8:00 a.m. or after 6:00 p.m. on any Saturday or on a federal holiday, or at any time on any Sunday. Under certain conditions, the City may grant a waiver to allow limited construction activities to occur outside of the limits described above.

¹⁶Line-of-sight is an unobstructed visual path between the noise source and the noise receptor.

¹⁷LAMC, Chapter IV, Article 1, Section 41.40, January 29, 1984 and Chapter XI, Article 2, Section 112.04, August 8, 1996.

The LAMC also specifies the maximum noise level of powered equipment or powered hand tools.¹⁸ Any powered equipment or hand tool that produces a maximum noise level exceeding 75 dBA at a distance of 50 feet is prohibited. However, this noise limitation does not apply where compliance is technically infeasible. Technically infeasible means the above noise limitation cannot be met despite the use of mufflers, shields, sound barriers and/or any other noise reduction device or techniques during the operation of equipment.

The City of Los Angeles has published significance thresholds to be used in noise analyses.¹⁹ The significance thresholds, which are further discussed below, include thresholds for construction and operational noise levels.

4.1.2 Vibration

Characteristics of Vibration

Vibration is an oscillatory motion through a solid medium in which the motion's amplitude can be described in terms of displacement, velocity, or acceleration. Vibration can be a serious concern, causing buildings to shake and rumbling sounds to be heard. In contrast to noise, vibration is not a common environmental problem. It is unusual for vibration from sources such as buses and trucks to be perceptible, even in locations close to major roads. Some common sources of vibration are trains, buses on rough roads, and construction activities, such as blasting, pile driving, and heavy earth-moving equipment.

Vibration Definitions

There are several different methods that are used to quantify vibration. The peak particle velocity (PPV) is defined as the maximum instantaneous peak of the vibration signal. The PPV is most frequently used to describe vibration impacts to buildings and is usually measured in inches per second. The root mean square (RMS) amplitude is most frequently used to describe the effect of vibration on the human body. The RMS amplitude is defined as the average of the squared amplitude of the signal. Decibel notation (Vdb) is commonly used to measure RMS. The decibel notation acts to compress the range of numbers required to describe vibration.²⁰

Effects of Vibration

High levels of vibration may cause physical personal injury or damage to buildings. However, ground-borne vibration levels rarely affect human health. Instead, most people consider ground-borne vibration to be an annoyance that may affect concentration or disturb sleep. In addition, high levels of ground-borne vibration may damage fragile buildings or interfere with equipment that is highly sensitive to ground-borne vibration (e.g., electron microscopes). To counter the effects of ground-borne vibration, the Federal Transit Administration (FTA) has published guidance relative to vibration impacts. According to the FTA, fragile buildings can be exposed to ground-borne vibration levels of 0.3 inches per second without experiencing structural damage.²¹

¹⁸LAMC, Chapter XI, Article 2, Section 112.05, August 8, 1996.

¹⁹City of Los Angeles, *L.A. CEQA Thresholds Guide*, 2006.

²⁰Federal Transit Administration, *Transit Noise and Vibration Impact Assessment*, May 2006.

²¹Federal Railway Administration, *High-Speed Ground Transportation Noise and Vibration Impact Assessment*, October 2005.

Perceptible Vibration Changes

In contrast to noise, ground-borne vibration is not a phenomenon that most people experience every day. The background vibration velocity level in residential areas is usually 50 RMS or lower, well below the threshold of perception for humans which is around 65 RMS.²² Most perceptible indoor vibration is caused by sources within buildings, such as operation of mechanical equipment, movement of people, or slamming of doors. Typical outdoor sources of perceptible ground-borne vibration are construction equipment, steel-wheeled trains, and traffic on rough roads. If the roadway is smooth, the vibration from traffic is rarely perceptible.

Applicable Regulations

There are no adopted City standards for ground-borne vibration.

4.2 EXISTING ENVIRONMENTAL SETTING

4.2.1 Existing Noise Environment

The existing noise environment of the project area is characterized by vehicular traffic and noises typical to a dense urban area (e.g., sirens, horns, helicopters, etc.). Vehicular traffic is the primary source of noise in the project vicinity.

Sound measurements were taken using a SoundPro DL Sound Level Meter between 10:30 a.m. and 12:30 p.m. on October 29, 2009 to determine existing ambient daytime noise levels in the project vicinity. These readings were used to establish existing ambient noise conditions and to provide a baseline for evaluating construction and operational noise impacts. Noise monitoring locations are shown in **Figure 4-2**. As shown in **Table 4-1**, existing ambient sound levels range between 64.8 and 73.0 dBA L_{eq} .

TABLE 4-1: EXISTING NOISE LEVELS			
Key to Figure 4-2	Noise Monitoring Location	Distant from Project Site (feet)	Sound Level (dBA, L_{eq})
1	Angelus Temple	70	69.7
2	Echo Park Recreation Center	430	66.4
3	919 Glendale Boulevard (Multi-Family Residence)	70	73.0
4	Saint Athanasius Episcopal Church	70	64.8
SOURCE: TAHA, 2010.			

4.2.2 Existing Vibration Environment

There are not any stationary sources of vibration located near the project site. Heavy-duty trucks can generate ground-borne vibrations that vary depending on vehicle type, weight, and pavement conditions. Based on field observations, vibration levels from adjacent roadways are not typically perceptible at the project site.

²²Federal Transit Administration, *Transit Noise and Vibration Impact Assessment*, May 2006.



LEGEND:



Project Site



Noise Monitoring Locations

1. Angelus Temple
2. Single- and Multi-Family Residences
3. Saint Athanasius Episcopal Church and Single- and Multi-Family Residences
4. Echo Park Recreation Center (Tennis Courts and Baseball Diamond)

SOURCE: TAHA, 2010



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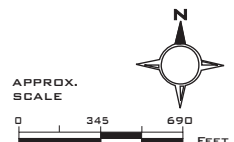


FIGURE 4-2

NOISE MONITORING LOCATIONS

4.2.3 Sensitive Receptors

Noise- and vibration-sensitive land uses are locations where people reside or where the presence of unwanted sound could adversely affect the use of the land. Residences, schools, hospitals, guest lodging, libraries, and some passive recreation areas would each be considered noise- and vibration-sensitive and may warrant unique measures for protection from intruding noise. As shown in **Figure 3-3**, sensitive receptors near the project site include the following:

- Single- and multi-family residences located approximately 70 feet west of the project site
- Single- and multi-family residences located approximately 70 feet east of the project site
- Single- and multi-family residences located approximately 70 feet north of the project site
- Angelus Temple located approximately 70 feet north of the project site
- Saint Athanasius Episcopal Church located approximately 70 feet east of the project site
- Echo Park Recreation Center located approximately 95 feet south of the project site
- Echo Park Child Care Center located approximately 550 feet southeast of the project site

The above sensitive receptors represent the nearest sensitive receptors with the potential to be impacted by construction noise levels. Additional sensitive receptors are located in the surrounding community and may be impacted by the construction noise levels.

4.3 METHODOLOGY AND SIGNIFICANCE CRITERIA

4.3.1 Methodology

Construction noise levels are based on information obtained from the *L.A. CEQA Thresholds Guide*.²³ The noise level during the construction period at each receptor location was calculated by (1) making a distance adjustment to the construction source sound level and (2) logarithmically adding the adjusted construction noise source level to the ambient noise level. Vibration levels were estimated based on information provided by the FTA.²⁴

4.3.2 Significance Criteria

Construction Phase Significance Criteria

Based on the City of Los Angeles *L.A. CEQA Threshold Guide*, the proposed project would result in significant construction noise impacts if:

- Construction activities lasting more than one day would exceed existing ambient noise levels by 10 dBA or more at a noise sensitive use;
- Construction activities lasting more than ten days in a three-month period would exceed existing ambient noise levels by 5 dBA or more at a noise sensitive use;
- Construction activities would exceed the ambient noise level by 5 dBA at a noise sensitive use between the hours of 9:00 p.m. and 7:00 a.m. Monday through Friday, before 8:00 a.m. or after 6:00 p.m. on Saturday, or anytime on Sunday; and/or

²³City of Los Angeles, *L.A. CEQA Thresholds Guide*, 2006.

²⁴Federal Transit Authority, *Transit Noise and Vibration Impact Assessment*, May 2006.

- The proposed project generates a mobile noise level increase that causes the ambient noise level measured at the property line of the affected uses to increase by 3 decibels L_{eq} to or within the “normally unacceptable” or “clearly unacceptable” categories, as show in **Table 4-2**, or any 5-dBA or more increase in noise level.

4.3.3 Ground-borne Vibration Significance Criteria

There are no adopted State or City of Los Angeles ground-borne vibration standards. Based on federal guidelines, the proposed project would result in a significant construction vibration impact if:

- The proposed project would expose buildings to the FTA building damage threshold level of 0.3 inches per second.

4.4 ENVIRONMENTAL IMPACTS

4.4.1 Noise Impacts


Construction Phase Noise Impacts

Construction of the proposed project would result in temporary increases in ambient noise levels in the project area on an intermittent basis. The increase in noise would occur during the approximate 26-month construction schedule. Noise levels would fluctuate depending on the construction phase, equipment type and duration of use, distance between the noise source and receptor, and presence or absence of noise attenuation barriers.


Construction activities typically require the use of numerous noise-generating equipment. Typical noise levels from various types of equipment that may be used during construction are listed in **Table 4-3**. The table shows noise levels at distances of 50 and 100 feet from the construction noise source.

TABLE 4-2: LAND USE COMPATIBILITY FOR COMMUNITY NOISE ENVIRONMENTS


Land Use Category	Community Noise Exposure (dBA, CNEL)					
	55	60	65	70	75	80
Residential - Low Density Single-Family, Duplex, Mobile Homes						
Residential - Multi-Family						
Transient Lodging - Motels Hotels						
Schools, Libraries, Churches, Hospitals, Nursing Homes						
Auditoriums, Concert Halls, Amphitheaters						
Sports Arena, Outdoor Spectator Sports						
Playgrounds, Neighborhood Parks						
Golf Courses, Riding Stables, Water Recreation, Cemeteries						
Office Buildings, Business Commercial and Professional						
Industrial, Manufacturing, Utilities, Agriculture						




Normally Acceptable - Specified land use is satisfactory, based upon the assumption that any buildings involved are of normal conventional construction without any special noise insulation requirements.



Conditionally Acceptable - New construction or development should be undertaken only after a detailed analysis of the noise reduction requirements is made and needed noise insulation features included in the design. Conventional construction, but with closed windows and fresh air supply system or air conditionally will normally suffice.



Normally Unacceptable - New construction or development should generally be discouraged. If new construction or development does proceed, a detailed analysis of the noise reduction requirements must be made and needed noise insulation features included in the design.



Clearly Unacceptable - New construction or development should generally not be undertaken.

SOURCE: California Office of Noise Control, Department of Health Services.

TABLE 4-3: MAXIMUM NOISE LEVELS OF COMMON CONSTRUCTION MACHINES		
Noise Source	Noise Level (dBA)	
	50 Feet /a/	100 Feet /a/
Front Loader	80	74
Trucks	89	83
Cranes (derrick)	88	82
Jackhammers	90	84
Generators	77	71
Back Hoe	84	78
Tractor	88	82
Scraper/Grader	87	81
Paver	87	81
Impact Pile Driving	101	95
Auger Drilling	77	71
/a/ Assumes a 6-dBA drop-off rate for noise generated by a "point source" and traveling over hard surfaces. Actual measured noise levels of the equipment listed in this table were taken at distances of ten and 30 feet from the noise source. SOURCE: City of Los Angeles, L.A. CEQA Thresholds Guide, 2006.		

The noise levels shown in **Table 4-4** take into account the likelihood that more than one piece of construction equipment would be in operation at the same time and lists the typical overall noise levels that would be expected for each phase of construction. The highest noise levels are expected to occur during the grading/excavation and finishing phases of construction. A typical piece of noisy equipment is assumed to be active for 40 percent of the eight-hour workday (consistent with the USEPA studies of construction noise), generating a noise level of 89 dBA L_{eq} at a reference distance of 50 feet.

TABLE 4-4: OUTDOOR CONSTRUCTION NOISE LEVELS	
Construction Phase	Noise Level At 50 Feet (dBA)
Ground Clearing	84
Grading/Excavation	89
Foundations	78
Structural	85
Finishing	89
SOURCE: City of Los Angeles, L.A. CEQA Thresholds Guide, 2006.	

On-Site Construction Noise

Table 4-5 presents the estimated noise levels at sensitive receptors during construction activity. Noise level increases would range from approximately 1.7 to 21.3 dBA, L_{eq} . The highest construction-related noise increase would occur at a single-family residence at east of the project site. Noise levels would exceed the 5-dBA significance threshold. Construction activity would result in a significant noise impact without mitigation.

TABLE 4-5: CONSTRUCTION NOISE IMPACT - UNMITIGATED

Sensitive Receptor	Distance (feet) /a/	Maximum Construction Noise Level (dBA) /b/	Existing Ambient (dBA, L _{eq}) /c/	New Ambient (dBA, L _{eq}) /d/	Increase
Single- and Multi-family residences east of the project site	70	86.1	64.8	86.1	21.3
Single- and Multi-family residences west of the project site	70	86.1	73.0	86.3	13.3
Single- and Multi-family residences north of the project site	70	86.1	69.7	86.2	16.5
Angelus Temple	70	86.1	69.7	86.2	16.5
Saint Athanasius Episcopal Church	70	86.1	64.8	86.1	21.3
Echo Park Recreation Center	95	78.4	66.4	78.7	12.3
Echo Park Child Care Center	550	63.2	66.4	68.1	1.7
/a/ Distance of noise source from receptor. /b/ Construction noise source's sound level at receptor location with distance and building adjustment. /c/ Pre-construction activity ambient sound level at receptor location. /d/ New sound level at receptor location during the construction period, including noise from construction activity. /e/ An incremental noise level increase of 5 dBA or more would result in a significant impact. SOURCE: TAHA, 2010.					

Off-Site Construction Mobile Noise

Construction activity would include a substantial number of haul trucks. It was assumed that up to 85 delivery/haul trucks and 40 construction worker vehicles would be traveling to and from the project site daily.²⁵ For a 10-hour construction workday, it is assumed that approximately up to 14 delivery/haul trucks per hour would be traveling on the proposed haul route.

The haul truck route travels along Glendale Boulevard, Echo Park Avenue, Park Avenue, and Bellevue Avenue, all which are segments adjacent to the Echo Park Lake. The baseline (2013) mobile noise level along these segments ranges from 60.2 to 71.4 dBA L_{eq}. A haul truck noise analysis was completed using the FHWA RD-77-108 noise calculation formulas. **Table 4-6** shows that construction-related truck and worker vehicle travel would increase noise levels up to 3.4 dBA at Park Avenue between Glendale Boulevard and Echo Park Avenue. The new mobile noise level would be approximately 63.6 dBA L_{eq}, which, in accordance with **Table 4-2**, is still an acceptable noise level for residences and churches. Construction-related mobile noise levels would not increase ambient noise levels measured at the property line of nearby sensitive receptors to increase by 3 decibels L_{eq} to or within the “normally unacceptable” or “clearly unacceptable” categories. Construction-related truck and worker vehicle travel would result in a less-than-significant noise impact.

²⁵ Assumes 40 construction workers per day with an average vehicle ridership of 1.

TABLE 4-6: OFF-SITE PROJECT CONSTRUCTION MOBILE NOISE IMPACT

Roadway Segment	Nearest Sensitive Receptor	Distance (feet)	Estimated dBA, L _{eq}		
			Baseline (2013)	Project Construction	Construction Impact
Glendale Boulevard between Park and Bellevue Avenues	Single-Family Residences	30	71.4	71.8	0.4
Echo Park Avenue between Reservoir Street and Bellevue Avenue	Single- and Multi-Family Residences, St. Athanasius Episcopal Church	30	65.8	67.4	1.6
Park Avenue between Glendale Boulevard and Echo Park Avenue	Single- and Multi-Family Residences, Angelus Temple	40	60.2	63.6	3.4

SOURCE: TAHA, 2010 (Appendix F).

Construction Phase Noise Mitigation Measures

- N1** All construction equipment shall be equipped with residential-grade mufflers and other suitable noise attenuation devices.
- N2** Grading and construction contractors shall use quieter equipment as opposed to noisier equipment (such as rubber-tired equipment rather than metal-tracked equipment).
- N3** All residential units located within 500 feet of the construction site shall be sent a notice regarding the construction schedule of the proposed project. A sign, legible at a distance of 50 feet shall also be posted at the construction site. All notices and the signs shall indicate the dates and duration of construction activities, as well as provide a telephone number where residents can inquire about the construction process and register complaints.
- N4** A “noise disturbance coordinator” shall be established. The disturbance coordinator shall be responsible for responding to any local complaints about construction noise. The disturbance coordinator shall determine the cause of the noise complaint (e.g., starting too early, bad muffler, etc.) and shall be required to implement reasonable measures such that the complaint is resolved. All notices that are sent to residential units within 500 feet of the construction site and all signs posted at the construction site shall list the telephone number for the disturbance coordinator.

Impacts After Mitigation

Mitigation Measure **N1** would reduce noise levels by approximately 15 dBA. Mitigation Measures **N2** through **N4** would assist in attenuating construction noise levels. **Table 4-7** shows mitigated construction noise levels. Mitigated construction noise levels would still exceed the 5-dBA significance threshold at multiple sensitive receptors. Construction activity would result in a significant and unavoidable impact.

TABLE 4-7: CONSTRUCTION NOISE IMPACT - MITIGATED

Sensitive Receptor	Distance (feet) /a/	Maximum Construction Noise Level (dBA) /b/	Existing Ambient (dBA, L _{eq}) /c/	New Ambient (dBA, L _{eq}) /d/	Increase
Single- and Multi-family residences east of the project site	70	71.1	64.8	72.0	7.2
Single- and Multi-family residences west of the project site	70	71.1	73.0	75.2	2.2
Single- and Multi-family residences north of the project site	70	71.1	69.7	73.5	3.8
Angelus Temple	70	71.1	69.7	73.5	3.8
Saint Athanasius Episcopal Church	70	71.1	64.8	72.0	7.2
Echo Park Recreation Center	95	63.4	66.4	68.2	1.8
Echo Park Child Care Center	550	48.2	66.4	66.5	0.1
/a/ Distance of noise source from receptor. /b/ Construction noise source's sound level at receptor location, with distance and building adjustment. /c/ Pre-construction activity ambient sound level at receptor location. /d/ New sound level at receptor location during the construction period, including noise from construction activity. /e/ An incremental noise level increase of 5 dBA or more would result in a significant impact. SOURCE: TAHA, 2010.					

Operational Phase Noise Impacts

The proposed project will make renovations to the existing lake, and will not develop any additional noise-generating land uses. In addition, operation of the proposed project is not anticipated to generate any additional vehicle trips. After rehabilitation activities are completed, Echo Lake Park will operate in a similar capacity as the existing facilities. It is not anticipated that operational noise would increase after the lake has reopened to the public, as no trips would be generated as a result of these renovations. Operational noise levels would result in a less-than-significant noise impact.

Operational Phase Noise Mitigation Measures

Operational noise impacts would be less than significant, and no mitigation measures are required.

Impacts After Mitigation

Not applicable. The project-related operational noise would result in a less-than-significant impact without mitigation.

4.4.2 Ground-borne Vibration Impacts

Construction Phase Ground-borne Vibration Impacts

As shown in **Table 4-8**, use of heavy equipment (e.g., a large bulldozer) generates vibration levels of 0.089 inches per second at a distance of 25 feet. The nearest residential structures to the project site would be approximately 70 feet from occasional heavy equipment activity and could experience vibration levels of 0.019 inches per second. Vibration levels at these receptors would not exceed the potential building damage threshold of 0.3 inches per second.

TABLE 4-8: VIBRATION VELOCITIES FOR CONSTRUCTION EQUIPMENT

Equipment	PPV at 25 feet (Inches /Second) /a/
Large Bulldozer	0.089
Loaded Trucks	0.076
/a/ Fragile buildings can be exposed to ground-borne vibration levels of 0.5 inches per second without experiencing structural damage. SOURCE: Federal Transit Authority, <i>Transit Noise and Vibration Impact Assessment</i> , May 2006.	

Construction Phase Ground-borne Vibration Mitigation Measures

Construction phase ground-borne vibration impacts would be less than significant, and no mitigation measures are required.

Impacts After Mitigation

Not applicable. Construction phase ground-borne vibration impacts would result in a less-than-significant impact without mitigation.

Operational Phase Ground-borne Vibration Impacts

The proposed project would not include significant stationary sources of ground-borne vibration, such as heavy equipment operations. In addition, operation of the proposed project is not anticipated to generate any additional vehicle trips, and therefore no new sources of mobile vibration. Thus, operational vibration would result in a less-than-significant impact.

Operational Phase Ground-borne Vibration Mitigation Measures

Operational ground-borne vibration impacts would be less than significant, and no mitigation measures are required.

Impacts After Mitigation

The project-related operational ground-borne vibration would result in a less-than-significant impact.

4.5 CUMULATIVE IMPACTS

The related project closest to the project site is Los Angeles Unified School District Central Region Elementary School #14 located approximately 1,000 feet west of the project site. Residences between the school and the project site would potentially be exposed to cumulative construction noise. The cumulative noise level at one of these residences would be less than 60 dBA when accounting for distance and building attenuation. The ambient noise level in this neighborhood is approximately 65 dBA L_{eq} . Construction noise would not increase ambient noise levels by more than 5 dBA, and the proposed project would not contribute to a cumulatively considerable impact.

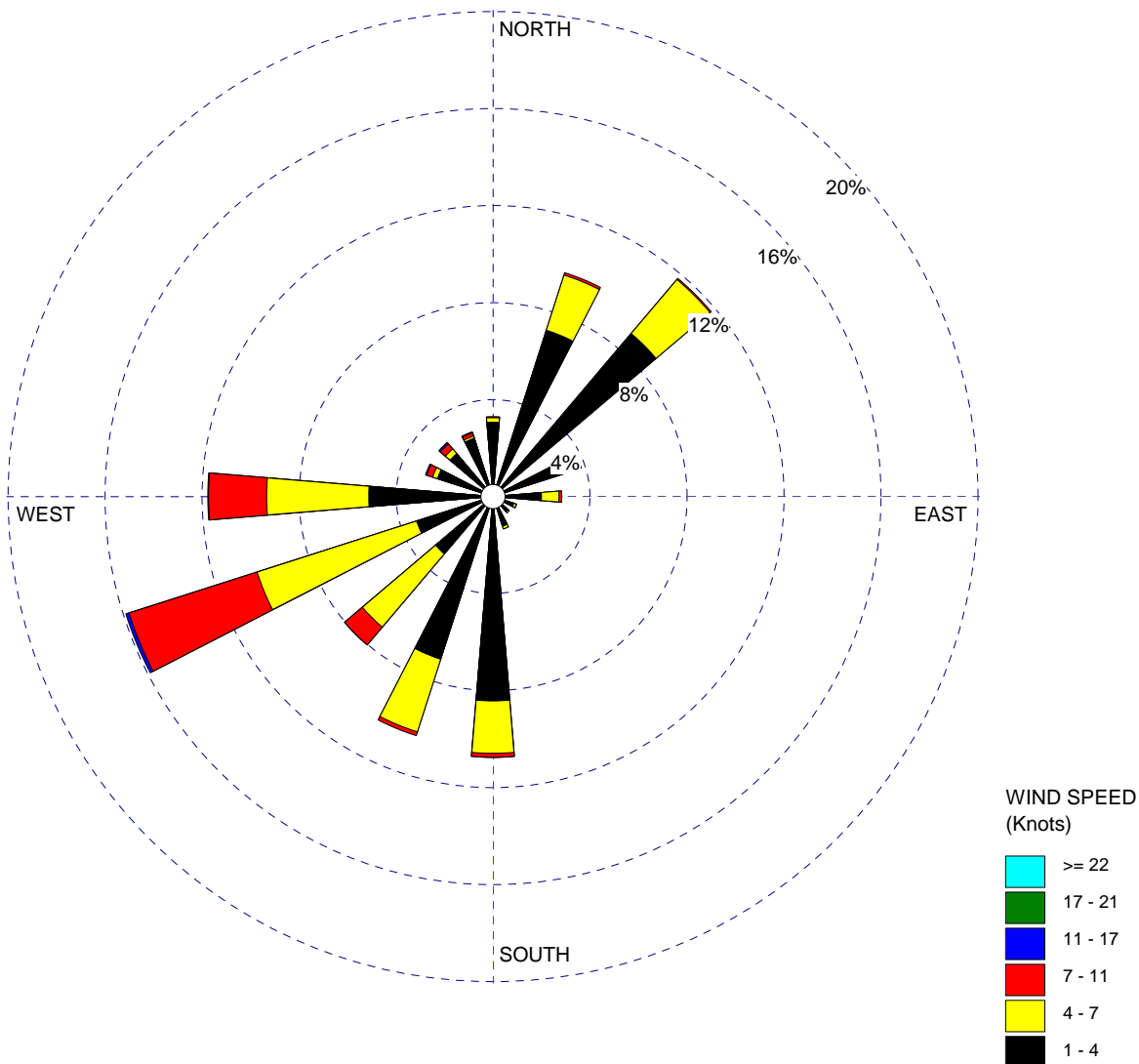
Appendix A

Wind and Climate Information

WIND ROSE PLOT:

Echo Park Rehabilitation Project

DISPLAY:

**Wind Speed
Direction (blowing from)**

COMMENTS:

DATA PERIOD:

**2006
Jan 1 - Dec 31
00:00 - 23:00**

COMPANY NAME:

MODELER:

CALM WINDS:

0.00%

TOTAL COUNT:

17417 hrs.

AVG. WIND SPEED:

4.11 Knots

DATE:

10/27/2009

PROJECT NO.:

2009-034

LOS ANGELES CIVIC CENTE, CALIFORNIA

Period of Record General Climate Summary - Temperature

Station:(045115) LOS ANGELES CIVIC CENTE															
From Year=1906 To Year=2009															
	Monthly Averages			Daily Extremes				Monthly Extremes				Max. Temp.		Min. Temp.	
	Max.	Min.	Mean	High	Date	Low	Date	Highest Mean	Year	Lowest Mean	Year	>= 90 F	<= 32 F	<= 32 F	<= 0 F
	F	F	F	F	dd/yyyy or yyyymmdd	F	dd/yyyy or yyyymmdd	F	-	F	-	# Days	# Days	# Days	# Days
January	66.3	48.3	57.3	95	18/1971	28	07/1913	65.9	1986	46.9	1949	0.1	0.0	0.1	0.0
February	67.3	49.6	58.4	95	20/1995	25	19/1911	65.3	1995	51.9	1911	0.1	0.0	0.0	0.0
March	68.8	51.1	60.0	98	26/1988	35	04/1976	66.0	1931	54.6	1945	0.2	0.0	0.0	0.0
April	71.0	53.4	62.2	106	06/1989	39	07/1975	69.6	1992	56.0	1975	0.8	0.0	0.0	0.0
May	72.9	56.5	64.7	102	16/1967	40	12/1933	72.6	1997	58.7	1917	0.9	0.0	0.0	0.0
June	77.0	59.7	68.3	112	26/1990	49	01/1917	77.4	1981	63.4	1944	1.3	0.0	0.0	0.0
July	82.3	63.1	72.7	107	01/1985	53	17/1907	79.9	2006	66.6	1944	3.2	0.0	0.0	0.0
August	83.0	63.8	73.4	105	06/1983	52	25/1909	80.8	1983	68.1	1914	4.0	0.0	0.0	0.0
September	81.8	62.6	72.2	110	01/1955	50	22/1921	81.3	1984	64.6	1933	4.9	0.0	0.0	0.0
October	77.6	58.6	68.1	108	03/1987	41	30/1971	74.2	1983	59.7	1916	3.1	0.0	0.0	0.0
November	72.8	53.3	63.1	100	01/1966	37	28/1919	68.9	1932	57.9	1906	0.8	0.0	0.0	0.0
December	67.4	49.1	58.2	92	08/1938	30	08/1978	64.2	1939	52.6	1916	0.0	0.0	0.0	0.0
Annual	74.0	55.8	64.9	112	19900626	25	19110219	68.9	1981	60.9	1916	19.4	0.0	0.1	0.0
Winter	67.0	49.0	58.0	95	19710118	25	19110219	63.3	1986	51.0	1949	0.2	0.0	0.1	0.0
Spring	70.9	53.7	62.3	106	19890406	35	19760304	67.8	1997	57.8	1917	1.9	0.0	0.0	0.0
Summer	80.8	62.2	71.5	112	19900626	49	19170601	77.6	1981	66.4	1916	8.5	0.0	0.0	0.0
Fall	77.4	58.2	67.8	110	19550901	37	19191128	72.2	1983	61.4	1916	8.8	0.0	0.0	0.0

Table updated on Sep 23, 2009

For monthly and annual means, thresholds, and sums:

Months with 5 or more missing days are not considered

Years with 1 or more missing months are not considered

Seasons are climatological not calendar seasons

Winter = Dec., Jan., and Feb. Spring = Mar., Apr., and May

Summer = Jun., Jul., and Aug. Fall = Sep., Oct., and Nov.

LOS ANGELES CIVIC CENTE, CALIFORNIA

Period of Record General Climate Summary - Precipitation

Station:(045115) LOS ANGELES CIVIC CENTE														
From Year=1906 To Year=2009														
	Precipitation											Total Snowfall		
	Mean	High	Year	Low	Year	1 Day Max.		>= 0.01 in.	>= 0.10 in.	>= 0.50 in.	>= 1.00 in.	Mean	High	Year
	in.	in.	-	in.	-	in.	dd/yyyy or yyyymmdd	# Days	# Days	# Days	# Days	in.	in.	-
January	3.23	14.94	1969	0.00	1948	5.71	26/1956	6	4	2	1	0.0	0.3	1949
February	3.40	13.68	1998	0.00	1912	4.80	24/1913	6	5	2	1	0.0	0.0	1949
March	2.41	8.37	1983	0.00	1931	5.88	02/1938	6	4	2	1	0.0	0.0	1949
April	1.01	7.53	1926	0.00	1909	2.74	05/1926	3	2	1	0	0.0	0.2	1950
May	0.25	3.57	1921	0.00	1923	2.02	08/1977	1	1	0	0	0.0	0.0	1949
June	0.07	0.98	1999	0.00	1908	0.76	05/1993	1	0	0	0	0.0	0.0	1913
July	0.01	0.18	1986	0.00	1907	0.60	25/1906	0	0	0	0	0.0	0.0	1948
August	0.05	2.26	1977	0.00	1907	2.06	17/1977	0	0	0	0	0.0	0.0	1948
September	0.28	5.67	1939	0.00	1907	3.96	25/1939	1	1	0	0	0.0	0.0	1948
October	0.45	4.56	2004	0.00	1913	1.72	17/1934	2	1	0	0	0.0	0.0	1948
November	1.27	9.68	1965	0.00	1907	3.85	07/1966	3	2	1	0	0.0	0.0	1948
December	2.34	8.77	2004	0.00	1912	5.55	28/2004	5	4	2	1	0.0	0.0	1948
Annual	14.76	34.04	1983	3.85	1953	5.88	19380302	36	23	10	4	0.0	0.3	1949
Winter	8.97	29.11	2005	1.19	1924	5.71	19560126	18	13	6	3	0.0	0.3	1949
Spring	3.67	13.89	1983	0.00	1997	5.88	19380302	11	7	2	1	0.0	0.2	1950
Summer	0.12	2.26	1977	0.00	1912	2.06	19770817	1	0	0	0	0.0	0.0	1949
Fall	2.00	11.48	1965	0.00	1980	3.96	19390925	6	4	1	0	0.0	0.0	1948

Table updated on Sep 23, 2009

For monthly and annual means, thresholds, and sums:

Months with 5 or more missing days are not considered

Years with 1 or more missing months are not considered

Seasons are climatological not calendar seasons

Winter = Dec., Jan., and Feb. Spring = Mar., Apr., and May

Summer = Jun., Jul., and Aug. Fall = Sep., Oct., and Nov.

Appendix B

SCAQMD Data

2006 AIR QUALITY SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

Source/Receptor Area No. Location		Station No.	Carbon Monoxide ^{a)}			Ozone ^{b)}									Nitrogen Dioxide ^{c)}				Sulfur Dioxide ^{d)}						
			No. Days of Data	Max. Conc. in ppm 1-hour	Max. Conc. in ppm 8-hour	No. Days of Data	Max. Conc. in ppm 1-hour	Max. Conc. in ppm 8-hour	Fourth High Conc. ppm 8-hour	No. Days Standard Exceeded					No. Days of Data	Max. Conc. in ppm 1-hour	Max. Conc. in ppm 24-hour	Annual Average Conc. ppm AAM	No. Days of Data	Max. Conc. in ppm 1-hour	Max. Conc. in ppm 24-hour	Annual Average Conc. ppm AAM			
										Health Advisory ≥ 0.15	> 0.12	> 0.08	> 0.09	> 0.07											
																							State		
LOS ANGELES COUNTY																									
1	Central LA	087	362	3	2.6	362	0.11	0.079	0.077	0	0	0	8	4	360	0.11	0.06	0.0288	365	0.03	0.006	0.0019			
2	Northwest Coastal LA County	091	365	3	2.0	365	0.10	0.074	0.069	0	0	0	3	0	365	0.08	0.05	0.0173	--	--	--	--			
3	Southwest Coastal LA County	820	363	3	2.3	360	0.08	0.066	0.062	0	0	0	0	0	351	0.10	0.05	0.0155	363	0.02	0.006	0.0020			
4	South Coastal LA County 1	072	360	4	3.4	364	0.08	0.058	0.058	0	0	0	0	0	357	0.10	0.05	0.0215	364	0.03	0.010	0.0012			
4	South Coastal LA County 2	077	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
6	West San Fernando Valley	074	365	5	3.4	361	0.16	0.108	0.105	1	6	17	32	39	363	0.07	0.04	0.0174	--	--	--	--			
7	East San Fernando Valley	069	365	4	3.5	365	0.17	0.128	0.099	2	6	12	25	23	365	0.10	0.05	0.0274	360	0.01	0.004	0.0006			
8	West San Gabriel Valley	088	360	4	2.8	365	0.15	0.117	0.095	1	5	7	25	24	365	0.12	0.06	0.0245	--	--	--	--			
9	East San Gabriel Valley 1	060	365	2	1.7	364	0.17	0.120	0.091	2	7	10	23	19	365	0.11	0.07	0.0258	--	--	--	--			
9	East San Gabriel Valley 2	591	363	2	2.0	363	0.18	0.128	0.107	2	10	15	37	31	362	0.10	0.06	0.0206	--	--	--	--			
10	Pomona/Walnut Valley	075	365	3	2.1	365	0.15	0.128	0.109	2	9	16	32	30	365	0.10	0.06	0.0307	--	--	--	--			
11	South San Gabriel Valley	085	232*	3*	2.7*	250*	0.13*	0.095*	0.080*	0*	1*	3*	9*	5*	204*	0.10*	0.06*	0.0283*	--	--	--	--			
12	South Central LA County	084	365	8	6.4	365	0.09	0.066	0.064	0	0	0	0	0	363	0.14	0.08	0.0306	--	--	--	--			
13	Santa Clarita Valley	090	363	2	1.3	359	0.16	0.120	0.112	1	20	40	62	64	359	0.08	0.04	0.0184	--	--	--	--			
ORANGE COUNTY																									
16	North Orange County	3177	362	6	3.0	362	0.15	0.114	0.092	1	3	4	8	9	361	0.09	0.05	0.0224	--	--	--	--			
17	Central Orange County	3176	365	5	3.0	365	0.11	0.088	0.072	0	0	1	5	3	343	0.11	0.06	0.0197	--	--	--	--			
18	North Coastal Orange County	3195	365	4	3.0	365	0.07	0.064	0.062	0	0	0	0	0	361	0.10	0.05	0.0145	353	0.01	0.004	0.0013			
19	Saddleback Valley	3812	365	2	1.8	356	0.12	0.105	0.092	0	0	6	13	17	--	--	--	--	--	--	--	--			
RIVERSIDE COUNTY																									
22	Norco/Corona	4155	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
23	Metropolitan Riverside County 1	4144	365	3	2.1	365	0.15	0.116	0.113	1	8	30	45	59	365	0.08	0.05	0.0199	365	0.01	0.004	0.0013			
23	Metropolitan Riverside County 2	4146	365	4	2.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
23	Mira Loma	5214	364	4	2.7	364	0.16	0.119	0.107	1	4	25	39	48	332	0.08	0.05	0.0194	--	--	--	--			
24	Perris Valley	4149	--	--	--	351	0.17	0.122	0.114	3	12	53	76	84	--	--	--	--	--	--	--	--			
25	Lake Elsinore	4158	362	1	1.0	362	0.14	0.109	0.102	0	3	24	40	58	352	0.07	0.05	0.0151	--	--	--	--			
29	Banning Airport	4164	--	--	--	357	0.14	0.115	0.104	0	8	44	57	78	355	0.11	0.04	0.0161	--	--	--	--			
30	Coachella Valley 1**	4137	365	2	1.0	361	0.13	0.109	0.101	0	2	23	37	67	359	0.09	0.05	0.0103	--	--	--	--			
30	Coachella Valley 2**	4157	--	--	--	364	0.10	0.089	0.087	0	0	7	4	29	--	--	--	--	--	--	--	--			
SAN BERNARDINO COUNTY																									
32	Northwest San Bernardino Valley	5175	360	3	1.8	365	0.17	0.130	0.114	2	14	25	50	54	337	0.10	0.07	0.0310	--	--	--	--			
33	Southwest San Bernardino Valley	5817	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
34	Central San Bernardino Valley 1	5197	365	3	2.0	361	0.16	0.123	0.116	1	12	29	47	49	362	0.09	0.06	0.0270	365	0.01	0.003	0.0019			
34	Central San Bernardino Valley 2	5203	364	3	2.3	362	0.15	0.127	0.119	3	10	29	52	57	362	0.09	0.05	0.0252	--	--	--	--			
35	East San Bernardino Valley	5204	--	--	--	365	0.16	0.135	0.125	5	11	36	60	64	--	--	--	--	--	--	--	--			
37	Central San Bernardino Mountains	5181	--	--	--	365	0.16	0.142	0.112	2	9	59	71	96	--	--	--	--	--	--	--	--			
38	East San Bernardino Mountains	5818	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
DISTRICT MAXIMUM				8	6.4		0.18	0.142	0.125	5	20	59	76	96		0.14	0.08	0.0310		0.03	0.010	0.0020			
SOUTH COAST AIR BASIN				8	6.4		0.18	0.142	0.125	10	35	86	102	121		0.14	0.08	0.0310		0.03	0.010	0.0020			

ppm - Parts Per Million parts of air, by volume.

AAM = Annual Arithmetic Mean

-- - Pollutant not monitored.

* Less than 12 full months of data. May not be representative.

** Salton Sea Air Basin.

a) - The federal 8-hour standard (8-hour average CO > 9 ppm) and state 8-hour standard (8-hour average CO > 9.0 ppm) were not exceeded.

The federal and state 1-hour standards (35 ppm and 20 ppm) were not exceeded, either.

b) - The federal 1-hour ozone standard was revoked and replaced by the 8-hour average ozone standard effective June 15, 2005.

The 8-hour average California ozone standard of 0.07 ppm was established effective May 17, 2006.

c) - The state standard is 1-hour average NO₂ > 0.25 ppm. The federal standard is annual arithmetic mean NO₂ > 0.0534 ppm. Air Resources Board has approved to lower the NO₂ 1-hour standard to 0.18 ppm and establish a new annual standard of 0.030 ppm. The revisions are expected to become effective later in 2007.

d) - The state standards are 1-hour average SO₂ > 0.25 ppm and 24-hour average SO₂ > 0.04 ppm. The federal standards are annual arithmetic mean SO₂ > 0.03 ppm, 24-hour average > 0.14 ppm, and 3-hour average > 0.50 ppm. The federal and state SO₂ standards were not exceeded.



**South Coast
Air Quality Management District**
21865 Copley Drive
Diamond Bar, CA 91765-4182
www.aqmd.gov

The map showing the locations of source/receptor areas can be accessed via the Internet at <http://www.aqmd.gov/telemweb/areamap.aspx>. Locations of source/receptor areas are shown on the "South Coast Air Quality Management District Air Monitoring Areas" map available free of charge from SCAQMD Public Information.

2006 AIR QUALITY SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

Source/Receptor Area No. Location		Station No.		Suspended Particulates PM10 ^{e)}			Fine Particulates PM2.5 ^{f)}						Particulates TSP ^{g)}			Lead ^{g)}		Sulfate ^{g)}		
				No. (%) Samples Exceeding Standard			Annual Average Conc. μg/m ³	No. (%) Samples Exceeding Standard			Annual Averages Conc. μg/m ³	Max. Conc. μg/m ³	Annual Average Conc. μg/m ³	Max. Monthly Average Conc. ^{k)} μg/m ³	Max. Quarterly Average Conc. ^{k)} μg/m ³	No. (%) Samples Exceeding Standard				
				No. Days of Data	Max. Conc. in μg/m ³ 24-hour	Federal > 150 μg/m ³ 24-hour		State > 50 μg/m ³ 24-hour	No. Days of Data	Max. Conc. in μg/m ³ 24-hour						98th Percentile Conc. in μg/m ³ 24-hour	Standard Federal ⁱ⁾ > 35 μg/m ³ 24-hour	Standard Federal ⁱ⁾ > 65 μg/m ³ 24-hour	Max. Conc. in μg/m ³ 24-hour	Standard State ≥ 25 μg/m ³ 24-hour
LOS ANGELES COUNTY																				
1	Central LA	087	59	59	0	3(5.1)	30.3	330	56.2	38.9	11(3.3)	0	15.6	59	109	63.3	0.02	0.01	18.2	0
2	Northwest Coastal LA County	091	--	--	--	--	--	--	--	--	--	--	--	56	76	40.2	--	--	12.2	0
3	Southwest Coastal LA County	820	51	45	0	0	26.5	--	--	--	--	--	--	56	84	43.1	0.01	0.01	13.6	0
4	South Coastal LA County 1	072	61	78	0	6(9.8)	31.1	290*	58.5*	34.9*	5(1.7)*	0*	14.2*	62	157	62.9	0.01	0.01	17.8	0
4	South Coastal LA County 2	077	58	117	0	19(32.7)	45.0	320	53.6	35.3	6(1.9)	0	14.5	59	192	71.1	0.01	0.01	18.8	0
6	West San Fernando Valley	074	--	--	--	--	--	92	44.1	32.0	1(1.1)	0	12.9	--	--	--	--	--	--	--
7	East San Fernando Valley	069	54	71	0	10(18.5)	35.6	104	50.7	43.4	6(5.8)	0	16.6	--	--	--	--	--	--	--
8	West San Gabriel Valley	088	--	--	--	--	--	113	45.9	32.1	1(0.9)	0	13.4	60	123	42.8	--	--	28.7	1(1.7)
9	East San Gabriel Valley 1	060	58	81	0	7(12.1)	31.9	278*	52.8*	38.5*	8(2.9)*	0*	15.5*	59	142	68.4	--	--	20.8	0
9	East San Gabriel Valley 2	591	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10	Pomona/Walnut Valley	075	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11	South San Gabriel Valley	085	--	--	--	--	--	116	72.2	43.1	7(6)	1(0.9)	16.7	58	768	79.3	0.03	0.02	28.6	1(1.7)
12	South Central LA County	084	--	--	--	--	--	107	55.0	44.5	4(3.7)	0	16.7	58	147	68.4	0.02	0.02	24.1	0
13	Santa Clarita Valley	090	58	53	0	1(1.7)	23.4	--	--	--	--	--	--	--	--	--	--	--	--	--
ORANGE COUNTY																				
16	North Orange County	3177	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
17	Central Orange County	3176	56	104	0	7(12.5)	33.4	330	56.2	40.5	8(2.4)	0	14.1	--	--	--	--	--	--	--
18	North Coastal Orange County	3195	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
19	Saddleback Valley	3812	50	57	0	1(2.0)	22.8	106	47.0	25.7	1(0.9)	0	11.0	--	--	--	--	--	--	--
RIVERSIDE COUNTY																				
22	Norco/Corona	4155	57	74	0	10(17.5)	36.5	--	--	--	--	--	--	--	--	--	--	--	--	--
23	Metropolitan Riverside County 1	4144	118	109	0	71(60.2)	54.4	300	68.5	53.7	32(10.7)	1(0.3)	19.0	59	169	91.2	0.01	0.01	10.8	0
23	Metropolitan Riverside County 2	4146	--	--	--	--	--	105	55.3	47.7	9(8.6)	0	17.0	59	131	72.9	0.01	0.01	9.9	0
23	Mira Loma	5214	59	124	0	41(69.5)	64.0	113	63.0	52.5	14(12.4)	0	20.6	--	--	--	--	--	--	--
24	Perris Valley	4149	54	125	0	19(35.2)	45.0	--	--	--	--	--	--	--	--	--	--	--	--	--
25	Lake Elsinore	4158	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
29	Banning Airport	4164	55	75	0	8(14.6)	31.1	--	--	--	--	--	--	--	--	--	--	--	--	--
30	Coachella Valley 1**	4137	57	73+	0+	2(3.5)+	24.5+	111	24.8	15.9	0	0	7.7	--	--	--	--	--	--	--
30	Coachella Valley 2**	4157	115	122+	0+	57(49.6)+	52.7+	107	24.3	19.1	0	0	9.5	--	--	--	--	--	--	--
SAN BERNARDINO COUNTY																				
32	Northwest San Bernardino Valley	5175	--	--	--	--	--	--	--	--	--	--	--	58	105	54.6	0.01	0.01	9.1	0
33	Southwest San Bernardino Valley	5817	62	78	0	17(27.4)	42.3	107	53.7	41.5	7(6.5)	0	18.5	--	--	--	--	--	--	--
34	Central San Bernardino Valley 1	5197	60	142	0	31(51.7)	53.5	112	52.6	43.8	7(6.3)	0	17.6	59	190	101.0	--	--	10.3	0
34	Central San Bernardino Valley 2	5203	57	92	0	24(42.1)	46.0	102	55.0	48.4	8(7.8)	0	17.8	54	174	87.0	0.02	0.01	11.0	0
35	East San Bernardino Valley	5204	60	103	0	12(20.0)	36.2	--	--	--	--	--	--	--	--	--	--	--	--	--
37	Central San Bernardino Mountains	5181	58	63	0	1(1.7)	26.2	--	--	--	--	--	--	--	--	--	--	--	--	--
38	East San Bernardino Mountains	5818	--	--	--	--	--	42*	40.1*	40.1*	1(2.4)*	0*	11.2*	--	--	--	--	--	--	--
DISTRICT MAXIMUM				142+	0+	71	64.0		72.2	53.7	32	1	20.6		768	101.0	0.03	0.02	28.7	1
SOUTH COAST AIR BASIN				142+	0+	75	64.0		72.2	53.7	32	1	20.6		768	101.0	0.03	0.02	28.7	1

$\mu\text{g}/\text{m}^3$ - Micrograms per cubic meter of air

AAM - Annual Arithmetic Mean

-- - Pollutant not monitored

* Less than 12 full months of data. May not be representative.

** Salton Sea Air Basin.

e) - PM10 samples were collected every 6 days at all sites except for Station Numbers 4144 and 4157 where samples were collected every 3 days.

f) - PM2.5 samples were collected every 3 days at all sites except for the following sites: Station Numbers 060, 072, 077, 087, 3176, and 4144 where samples were taken every day, and Station Number 5818 where samples were taken every 6 days.

g) - Total suspended particulates, lead, and sulfate were determined from samples collected every 6 days by the high volume sampler method, on glass fiber filter media.

h) - Federal annual PM10 standard (AAM $> 50 \mu\text{g}/\text{m}^3$) was revoked effective December 17, 2006. State standard is annual average (AAM) $> 20 \mu\text{g}/\text{m}^3$.

i) - U.S. EPA has revised the federal 24-hour PM2.5 standard from $65 \mu\text{g}/\text{m}^3$ to $35 \mu\text{g}/\text{m}^3$; effective December 17, 2006.

j) - Federal PM2.5 standard is annual average (AAM) $> 15 \mu\text{g}/\text{m}^3$. State standard is annual average (AAM) $> 12 \mu\text{g}/\text{m}^3$.

k) - Federal lead standard is quarterly average $> 1.5 \mu\text{g}/\text{m}^3$; and state standard is monthly average $\geq 1.5 \mu\text{g}/\text{m}^3$. No location exceeded lead standards.

Maximum monthly and quarterly lead concentrations at special monitoring sites immediately downwind of stationary lead sources were $0.24 \mu\text{g}/\text{m}^3$ and $0.22 \mu\text{g}/\text{m}^3$, respectively, both recorded at Central Los Angeles.

+ - The data for the samples collected on a high-wind day (July 16, 2006) at Palm Springs and Indio ($226 \mu\text{g}/\text{m}^3$ and $313 \mu\text{g}/\text{m}^3$, respectively) were excluded in accordance with EPA's Natural Events Policy.



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2007 AIR QUALITY SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

2007				Carbon Monoxide ^{a)}			Ozone										Nitrogen Dioxide ^{d)}			Sulfur Dioxide ^{e)}				
				No. Days of Data	Max. Conc. in ppm 1-hour	Max Conc. in ppm 8-hour	No. Days of Data	Max. Conc. in ppm 1-hour	Max. Conc. in ppm 8-hour	Fourth High Conc. ppm 8-hour	Health Advisory ≥ 0.15 ppm 1-hour	No. Days Standard Exceeded						No. Days of Data	Max Conc. in ppm 1-hour	Annual Average AAM Conc. ppm	No. Days of Data	Max. Conc. in ppm 1-hour	Max. Conc. in ppm 24-hour	Annual Average AAM Conc. ppm
												Federal ^{b)}				State ^{c)}								
												> 0.12 ppm 1-hour	> 0.08 ppm 8-hour	> 0.075 ppm 8-hour	> 0.09 ppm 1-hour	> 0.070 ppm 8-hour								
No.	Location	State Code	District Code																					
LOS ANGELES COUNTY																								
1	Central LA	70087	087	359	3	2.2	355	0.115	0.102	0.072	0	0	2	3	6	360	0.10	0.0299	351	0.01	0.003	0.0009		
2	Northwest Coastal LA County	70091	091	365	3	1.9	360	0.117	0.087	0.067	0	0	1	2	2	353	0.08	0.0200	--	--	--	--		
3	Southwest Coastal LA County	70111	820	361	3	2.4	361	0.087	0.074	0.066	0	0	0	0	1	331*	0.08	0.0140	361	0.02	0.009	0.0028		
4	South Coastal LA County 1	70072	072	347*	3	2.6	365	0.099	0.073	0.056	0	0	0	0	1	365	0.11	0.0207	365	0.11	0.011	0.0027		
4	South Coastal LA County 2	70110	077	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
6	West San Fernando Valley	70074	074	358	4	2.8	358	0.129	0.104	0.092	0	1	8	28	21	43	358	0.08	0.0186	--	--	--	--	
7	East San Fernando Valley	70069	069	365	4	2.8	365	0.116	0.096	0.088	0	0	6	13	13	19	363	0.09	0.0289	365	0.01	0.003	0.0010	
8	West San Gabriel Valley	70088	088	365	3	2.4	365	0.149	0.100	0.089	0	3	6	11	13	21	365	0.09	0.0246	--	--	--	--	
9	East San Gabriel Valley 1	70060	060	365	3	2.0	365	0.158	0.112	0.096	1	3	13	20	22	28	365	0.12	0.0253	--	--	--	--	
9	East San Gabriel Valley 2	70591	591	365	2	2.0	364	0.147	0.116	0.104	0	3	14	26	25	40	365	0.11	0.0227	--	--	--	--	
10	Pomona/Walnut Valley	70075	075	365	3	2.1	365	0.153	0.108	0.102	1	2	10	18	19	25	365	0.10	0.0318	--	--	--	--	
11	South San Gabriel Valley	70185	085	365	5	2.9	364	0.135	0.100	0.079	0	2	2	5	6	9	361	0.11	0.0249	--	--	--	--	
12	South Central LA County	70084	084	365	8	5.1	365	0.102	0.077	0.056	0	0	0	1	1	2	365	0.10	0.0291	--	--	--	--	
13	Santa Clarita Valley	70090	090	361	2	1.2	357	0.135	0.110	0.101	0	2	16	44	31	64	339*	0.08	0.0196	--	--	--	--	
ORANGE COUNTY																								
16	North Orange County	30177	3177	360	6	3.3	365	0.152	0.107	0.082	1	1	2	8	7	9	365	0.08	0.0219	--	--	--	--	
17	Central Orange County	30178	3176	346*	4	2.9	365	0.127	0.099	0.073	0	1	1	1	2	7	359	0.10	0.0208	--	--	--	--	
18	North Coastal Orange County	30195	3195	362	5	3.1	362	0.082	0.072	0.065	0	0	0	0	0	2	362	0.07	0.0132	358	0.01	0.004	0.0010	
19	Saddleback Valley	30002	3812	364	3	2.1	365	0.108	0.089	0.080	0	0	2	5	5	10	--	--	--	--	--	--	--	
RIVERSIDE COUNTY																								
22	Norco/Corona	33155	4155	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
23	Metropolitan Riverside County 1	33144	4144	364	4	2.9	365	0.131	0.111	0.099	0	2	15	46	31	69	364	0.07	0.0206	323*	0.02	0.002	0.0017	
23	Metropolitan Riverside County 2	33146	4146	365	4	2.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
23	Mira Loma	33165	5214	359	3	2.1	360	0.118	0.104	0.092	0	0	10	23	16	48	349*	0.07	0.0181	--	--	--	--	
24	Perris Valley	33149	4149	--	--	--	365	0.139	0.116	0.103	0	4	37	73	66	88	--	--	--	--	--	--	--	
25	Lake Elsinore	33158	4158	365	2	2.3	359	0.130	0.108	0.097	0	3	19	35	26	55	358	0.06	0.0174	--	--	--	--	
29	Banning Airport	33164	4164	--	--	--	365	0.129	0.113	0.095	0	1	12	43	28	63	363	0.08	0.0147	--	--	--	--	
30	Coachella Valley 1**	33137	4137	365	2	1.0	365	0.126	0.101	0.097	0	1	20	58	29	83	365	0.06	0.0103	--	--	--	--	
30	Coachella Valley 2**	33155	4157	--	--	--	365	0.106	0.094	0.087	0	0	6	29	8	48	--	--	--	--	--	--	--	
SAN BERNARDINO COUNTY																								
32	Northwest San Bernardino Valley	36175	5175	365	2	1.6	365	0.145	0.115	0.112	0	7	18	35	32	55	327*	0.10	0.0276	--	--	--	--	
33	Southwest San Bernardino Valley	36025	5817	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
34	Central San Bernardino Valley 1	36197	5197	359	3	1.8	359	0.144	0.122	0.112	0	9	19	43	40	60	358	0.09	0.0239	359	0.01	0.004	0.0019	
34	Central San Bernardino Valley 2	36203	5203	365	4	2.3	365	0.153	0.121	0.117	1	8	24	51	48	74	351	0.08	0.0245	--	--	--	--	
35	East San Bernardino Valley	36204	5204	--	--	--	365	0.149	0.124	0.112	0	7	25	58	54	79	--	--	--	--	--	--	--	
37	Central San Bernardino Mountains	36181	5181	--	--	--	365	0.171	0.137	0.126	4	13	59	93	67	115	--	--	--	--	--	--	--	
38	East San Bernardino Mountains	36001	5818	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
DISTRICT MAXIMUM					8	5.1		0.171	0.137	0.126	4	13	59	93	67	115		0.12	0.0318		0.11	0.011	0.0028	
SOUTH COAST AIR BASIN					8	5.1		0.171	0.137	0.126	5	18	79	108	96	128		0.12	0.0318		0.11	0.011	0.0028	

ppm - Parts Per Million parts of air, by volume.

AAM = Annual Arithmetic Mean

-- Pollutant not monitored.

* Less than 12 full months of data; may not be representative.

** Salton Sea Air Basin.

a) - The federal 8-hour standard (8-hour average CO > 9 ppm) and state 8-hour standard (8-hour average CO > 9.0 ppm) were not exceeded.

The federal and state 1-hour standards (35 ppm and 20 ppm) were not exceeded, either.

b) - The federal 1-hour ozone standard was revoked and replaced by the 8-hour average ozone standard effective June 15, 2005. U.S. EPA has revised the federal 8-hour ozone standard from 0.084 ppm to 0.075 ppm, effective May 27, 2008.

c) - The 8-hour average California ozone standard of 0.070 ppm was established effective May 17, 2006.

d) - The federal standard is annual arithmetic mean NO₂ > 0.0534 ppm. California Air Resources Board has revised the NO₂ 1-hour state standard from 0.25 ppm to 0.18 ppm and has established a new annual standard of 0.030 ppm, effective March 20, 2008.

e) - The state standards are 1-hour average SO₂ > 0.25 ppm and 24-hour average SO₂ > 0.04 ppm. The federal standards are annual arithmetic mean SO₂ > 0.03 ppm, 24-hour average > 0.14 ppm, and 3-hour average > 0.50 ppm. The federal and state SO₂ standards were not exceeded.



**South Coast
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The map showing the locations of source/receptor areas can be accessed via the Internet at <http://www.aqmd.gov/telemweb/areamap.aspx>. Locations of source/receptor areas are shown on the "South Coast Air Quality Management District Air Monitoring Areas" map available free of charge from SCAQMD Public Information.

Due to technical difficulties, lead and sulfate data are not available and will be provided at a later time.

2007 AIR QUALITY SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

2007				Suspended Particulates PM10 ^{f)}					Fine Particulates PM2.5 ^{g)}					Particulates ^{h)}			Lead ^{h)}		Sulfate ^{h)}		
				No. Days of Data	Max. Conc. in µg/m ³ 24-hour	No. (%) Samples Exceeding Standards		Annual Average Conc. ⁱ⁾ µg/m ³ (AAM)	No. Days of Data	Max. Conc. in µg/m ³ 24-hour	98 th Percentile Conc. in µg/m ³ 24-hour	No. (%) Samples Exceeding Federal Standard		Annual Average Conc. ^{k)} µg/m ³ (AAM)	No. Days of Data	Max. Conc. in µg/m ³ 24-hour	Annual Average Conc. (AAM) µg/m ³	Max. Monthly Average Conc. ^{l)} µg/m ³	Max. Quarterly Average Conc. ^{l)} µg/m ³	Max. Conc. ¹⁾ in µg/m ³ 24-hour	%Samples Exceeding State Standard ≥ 25 µg/m ³ 24-hour
						Federal	State					Current	Old								
						> 150 µg/m ³ 24-hour	> 50 µg/m ³ 24-hour					> 35 ^{j)} µg/m ³ 24-hour	> 65 ^{j)} µg/m ³ 24-hour								
Source/Receptor Area	State	District	Station No.	No. Days of Data	Max. Conc. in µg/m ³ 24-hour	> 150 µg/m ³ 24-hour	> 50 µg/m ³ 24-hour	Annual Average Conc. ⁱ⁾ µg/m ³ (AAM)	No. Days of Data	Max. Conc. in µg/m ³ 24-hour	98 th Percentile Conc. in µg/m ³ 24-hour	Current > 35 ^{j)} µg/m ³ 24-hour	Old > 65 ^{j)} µg/m ³ 24-hour	Annual Average Conc. ^{k)} µg/m ³ (AAM)	No. Days of Data	Max. Conc. in µg/m ³ 24-hour	Annual Average Conc. (AAM) µg/m ³	Max. Monthly Average Conc. ^{l)} µg/m ³	Max. Quarterly Average Conc. ^{l)} µg/m ³	Max. Conc. ¹⁾ in µg/m ³ 24-hour	%Samples Exceeding State Standard ≥ 25 µg/m ³ 24-hour
No.	Location	Code	Code																		
LOS ANGELES COUNTY																					
1	Central LA	70087	087	57	78	0	5(9)	33.3	324	64.2	51.2	20(0.6)	0	16.8	58	194	73.5				
2	Northwest Coastal LA County	70091	091	--	--	--	--	--	--	--	--	--	--	--	57	180	57.6				
3	Southwest Coastal LA County	70111	820	56	96	0	2(4)	27.7	--	--	--	--	--	--	55	286	51.8				
4	South Coastal LA County 1	70072	072	58	75+	0+	5(9)+	30.2+	332	82.9	40.8	12(3.6)	1(0.3)	14.6	59	732	76.5				
4	South Coastal LA County 2	70110	077	57	123+	0+	17(30)+	41.7+	326	68.0	33.7	6(1.8)	1(0.3)	13.7	58	694	79.4				
6	West San Fernando Valley	70074	074	--	--	--	--	--	95	43.3	33.4	1(1.1)	0	13.1	--	--	--				
7	East San Fernando Valley	70069	069	55	109	0	11(20)	40.0	98	56.5	47.7	9(9.2)	0	16.8	--	--	--				
8	West San Gabriel Valley	70088	088	--	--	--	--	--	108	68.9	45.4	3(2.8)	1(0.9)	14.3	56	123	46.3				
9	East San Gabriel Valley 1	70060	060	57	83+	0+	11(19)+	35.6+	292*	63.8	49.3	19(6.5)	0	15.9	58	243	77.8				
9	East San Gabriel Valley 2	70591	591	--	--	--	--	--	--	--	--	--	--	--	--	--	--				
10	Pomona/Walnut Valley	70075	075	--	--	--	--	--	--	--	--	--	--	--	--	--	--				
11	South San Gabriel Valley	70185	085	--	--	--	--	--	101	63.6	49.5	5(5.0)	0	16.7	55	196	76.0				
12	South Central LA County	70084	084	--	--	--	--	--	106	49.0	46.1	4(3.8)	0	15.9	59	327	78.8				
13	Santa Clarita Valley	70090	090	58	131+	0+	5(9)+	29.9+	--	--	--	--	--	--	--	--	--				
ORANGE COUNTY																					
16	North Orange County	30177	3177	--	--	--	--	--	--	--	--	--	--	--	--	--	--				
17	Central Orange County	30178	3176	59	75+	0+	5(9)+	31.0+	336	79.4	46.5	14(4.2)	1(0.3)	14.5	--	--	--				
18	North Coastal Orange County	30195	3195	--	--	--	--	--	--	--	--	--	--	--	--	--	--				
19	Saddleback Valley	30002	3812	58	74	0	3(5)	23.0	98	46.9	35.0	2(2.0)	0	11.3	--	--	--				
RIVERSIDE COUNTY																					
22	Norco/Corona	33155	4155	59	93+	0+	10(17)+	39.6+	--	--	--	--	--	--	--	--	--				
23	Metropolitan Riverside County 1	33144	4144	116	118+	0+	66(51)+	54.7+	295*	75.7	54.3	33(11.2)	3(1.0)	19.1	57	237	111.0				
23	Metropolitan Riverside County 2	33146	4146	--	--	--	--	--	101	68.6	57.3	8(7.9)	1(1.0)	18.1	60	674	88.9				
23	Mira Loma	33165	5214	56	142	0	41(73)	68.5	110	69.7	60.1	13(11.8)	1(0.9)	21.0	--	--	--				
24	Perris Valley	33149	4149	59	120+	0+	32(54)+	54.8+	--	--	--	--	--	--	--	--	--				
25	Lake Elsinore	33158	4158	--	--	--	--	--	--	--	--	--	--	--	--	--	--				
29	Banning Airport	33164	4164	49*	78	0	7(14)	33.3	--	--	--	--	--	--	--	--	--				
30	Coachella Valley 1**	33137	4137	55	83	0	6(11)	30.5	104	32.5	20.5	0	0	8.7	--	--	--				
30	Coachella Valley 2**	33155	4157	87*	146+	0+	51(59)+	53.5+	97	26.8	26.5	0	0	9.8	--	--	--				
SAN BERNARDINO COUNTY																					
32	Northwest San Bernardino Valley	36175	5175	--	--	--	--	--	--	--	--	--	--	--	60	206	63.5				
33	Southwest San Bernardino Valley	36025	5817	58	115+	0+	14(24)+	43.4+	102	72.8	53.0	6(5.9)	1(1.0)	17.9	--	--	--				
34	Central San Bernardino Valley 1	36197	5197	58	111+	0+	33(57)+	54.9+	107	77.5	64.9	10(9.3)	2(1.9)	19.0	58	242	96.2				
34	Central San Bernardino Valley 2	36203	5203	58	136+	0+	28(48)+	51.4+	99	72.1	68.4	11(11.1)	3(3.0)	18.3	59	536	106.9				
35	East San Bernardino Valley	36204	5204	60	97	0	19(32)	39.7	--	--	--	--	--	--	--	--	--				
37	Central San Bernardino Mountains	36181	5181	54	89	0	2(4)	27.2	--	--	--	--	--	--	--	--	--				
38	East San Bernardino Mountains	36001	5818	--	--	--	--	--	54	45.4	34.0	1(1.9)	0	10.4	--	--	--				
DISTRICT MAXIMUM					146+	0+	66+	68.5+		82.9	68.4	33	3	21.0		732	111.0				
SOUTH COAST AIR BASIN					142+	0+	79+	68.5+		82.9	68.4	48	8	21.0		732	111.0				

µg/m³ - Micrograms per cubic meter of air.

AAM = Annual Arithmetic Mean

-- - Pollutant not monitored.

* Less than 12 full months of data; may not be representative.

** Salton Sea Air Basin.

f) - PM10 samples were collected every 6 days at all sites except for Station Numbers 4144 and 4157 where samples were collected every 3 days.

g) - PM2.5 samples were collected every 3 days at all sites except for the following sites: Station Numbers 060, 072, 077, 087, 3176, and 4144 where samples were taken every day, and Station Number 5818 where samples were taken every 6 days.

h) - Total suspended particulates, lead, and sulfate were determined from samples collected every 6 days by the high volume sampler method, on glass fiber filter media.

i) - Federal annual PM10 standard (AAM > 50 µg/m³) was revoked effective December 17, 2006. State standard is annual average (AAM) > 20 µg/m³.

j) - U.S. EPA has revised the federal 24-hour PM2.5 standard from 65 µg/m³ to 35 µg/m³; effective December 17, 2006.

k) - Federal PM2.5 standard is annual average (AAM) > 15 µg/m³. State standard is annual average (AAM) > 12 µg/m³.

l) - Federal lead standard is quarterly average > 1.5 µg/m³; and state standard is monthly average ≥ 1.5 µg/m³. Lead and sulfate data analysis is incomplete and data is not available at this time.

+ - The following PM10 data samples were excluded from compliance consideration in accordance with the EPA Exceptional Event Regulation: 210 and 157 ug/m3 on March 22 and April 6, respectively, at Coachella Valley 2 (high wind events); 167 ug/m3 on April 12 at Perris Valley (high wind event); 165 and 155 ug/m3 on July 5 at East San Gabriel 1 and Central San Bernardino Valley 1, respectively (fireworks displays); and high concentration throughout the District on October 21, with a maximum concentration of 559 ug/m3 at Metropolitan Riverside County 1 (high wind and wildfire event).



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**2008 AIR QUALITY
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**

2008				Carbon Monoxide ^{a)}			Ozone										Nitrogen Dioxide ^{d)}			Sulfur Dioxide ^{e)}			
				No. Days of Data	Max. Conc. in ppm 1-hour	Max. Conc. in ppm 8-hour	No. Days of Data	Max. Conc. in ppm 1-hour	Max. Conc. in ppm 8-hour	Fourth High Conc. ppm 8-hour	Health Advisory ≥ 0.150 ppm 1-hour	No. Days Standard Exceeded					No. Days of Data	Max. Conc. in ppm 1-hour	Annual Average AAM Conc. ppm	No. Days of Data	Max. Conc. in ppm 1-hour	Max. Conc. in ppm 24-hour	Annual Average AAM Conc. ppm
												Federal ^{b)}			State ^{c)}								
												> 0.12 ppm 1-hour	> 0.08 ppm 8-hour	> 0.075 ppm 8-hour	> 0.09 ppm 1-hour	> 0.070 ppm 8-hour							
Source/Receptor Area		State Code	District Code	No. Days of Data	Max. Conc. in ppm 1-hour	Max. Conc. in ppm 8-hour	No. Days of Data	Max. Conc. in ppm 1-hour	Max. Conc. in ppm 8-hour	Fourth High Conc. ppm 8-hour	Health Advisory ≥ 0.150 ppm 1-hour	> 0.12 ppm 1-hour	> 0.08 ppm 8-hour	> 0.075 ppm 8-hour	> 0.09 ppm 1-hour	> 0.070 ppm 8-hour	No. Days of Data	Max. Conc. in ppm 1-hour	Annual Average AAM Conc. ppm	No. Days of Data	Max. Conc. in ppm 1-hour	Max. Conc. in ppm 24-hour	Annual Average AAM Conc. ppm
No.	Location																						
LOS ANGELES COUNTY																							
1	Central LA	70087	087	366	3	2.1	356	0.109	0.090	0.073	0	0	1	3	3	7	343	0.12	0.0275	366	0.01	0.002	0.0003
2	Northwest Coastal LA County	70091	091	366	3	2.0	366	0.11	0.097	0.073	0	0	1	2	3	8	364	0.09	0.0184	--	--	--	--
3	Southwest Coastal LA County	70111	820	358	4	2.5	360	0.086	0.075	0.065	0	0	0	0	0	1	359	0.10	0.0143	357	0.02	0.005	0.0014
4	South Coastal LA County 1	70072	072	366	3	2.6	366	0.093	0.074	0.064	0	0	0	0	0	1	366	0.13	0.0208	366	0.09	0.012	0.0022
4	South Coastal LA County 2	70110	077	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6	West San Fernando Valley	70074	074	366	4	2.9	366	0.123	0.103	0.095	0	0	14	25	23	40	366	0.09	0.0180	--	--	--	--
7	East San Fernando Valley	70069	069	366	3	2.6	366	0.133	0.109	0.092	0	1	8	17	20	35	364	0.11	0.0285	366	0.01	0.003	0.0008
8	West San Gabriel Valley	70088	088	366	3	2.1	366	0.122	0.100	0.091	0	0	6	16	16	26	365	0.11	0.0235	--	--	--	--
9	East San Gabriel Valley 1	70060	060	366	2	1.6	366	0.135	0.111	0.101	0	7	14	28	34	39	366	0.10	0.0230	--	--	--	--
9	East San Gabriel Valley 2	70591	591	366	3	3.0	366	0.156	0.118	0.112	2	12	25	45	48	61	366	0.10	0.0182	--	--	--	--
10	Pomona/Walnut Valley	70075	075	366	3	2.0	366	0.141	0.110	0.100	0	5	19	35	32	47	366	0.11	0.0302	--	--	--	--
11	South San Gabriel Valley	70185	085	357	3	2.1	366	0.107	0.093	0.077	0	0	1	5	7	13	341	0.10	0.0263	--	--	--	--
12	South Central LA County	70084	084	310*	6*	4.3*	310*	0.078*	0.060*	0.055*	0*	0*	0*	0*	0*	0*	305*	0.12*	0.0301*	--	--	--	--
13	Santa Clarita Valley	70090	090	363	2	1.1	363	0.160	0.131	0.108	2	8	35	60	54	81	363	0.07	0.0165	--	--	--	--
ORANGE COUNTY																							
16	North Orange County	30177	3177	366	5	2.9	366	0.104	0.084	0.078	0	0	0	5	7	15	361	0.09	0.0206	--	--	--	--
17	Central Orange County	30178	3176	366	4	3.6	366	0.105	0.086	0.076	0	0	1	4	2	10	366	0.09	0.0203	--	--	--	--
18	North Coastal Orange County	30195	3195	366	3	2.0	366	0.094	0.079	0.075	0	0	0	3	0	6	365	0.08	0.0132	366	0.01	0.003	0.0011
19	Saddleback Valley	30002	3812	365	2	1.1	365	0.118	0.104	0.092	0	0	6	15	9	25	--	--	--	--	--	--	--
RIVERSIDE COUNTY																							
22	Norco/Corona	33155	4155	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
23	Metropolitan Riverside County 1	33144	4144	366	3	2.0	366	0.146	0.116	0.111	0	8	38	64	54	88	366	0.09	0.0192	366	0.01	0.003	0.0009
23	Metropolitan Riverside County 2	33146	4146	366	7	2.0	--	--	--	--	--	--	--	--	--	--	70*	0.09*	0.0258*	--	--	--	--
23	Mira Loma	33165	5214	366	3	1.9	366	0.135	0.107	0.104	0	4	23	47	38	62	366	0.10	0.0174	--	--	--	--
24	Perris Valley	33149	4149	--	--	--	366	0.142	0.114	0.106	0	4	41	77	65	94	--	--	--	--	--	--	--
25	Lake Elsinore	33158	4158	365	1	1.0	365	0.139	0.118	0.108	0	6	32	69	49	92	362	0.06	0.0129	--	--	--	--
29	Banning Airport	33164	4164	--	--	--	365	0.149	0.120	0.108	0	10	45	74	57	95	366	0.08	0.0128	--	--	--	--
30	Coachella Valley 1**	33137	4137	366	1	0.6	366	0.11	0.101	0.098	0	0	20	51	26	70	366	0.05	0.0093	--	--	--	--
30	Coachella Valley 2**	33155	4157	--	--	--	355	0.12	0.092	0.090	0	0	11	27	11	44	--	--	--	--	--	--	--
SAN BERNARDINO COUNTY																							
32	Northwest San Bernardino Valley	36175	5175	365	2	1.6	365	0.155	0.122	0.111	2	9	30	50	51	65	365	0.09	0.0235	--	--	--	--
33	Southwest San Bernardino Valley	36025	5817	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
34	Central San Bernardino Valley 1	36197	5197	363	2	1.9	364	0.162	0.124	0.111	1	8	35	58	55	82	364	0.10	0.0207	364	0.01	0.003	0.0018
34	Central San Bernardino Valley 2	36203	5203	366	2	1.8	366	0.157	0.122	0.113	2	11	43	62	62	90	366	0.09	0.0217	--	--	--	--
35	East San Bernardino Valley	36204	5204	--	--	--	366	0.154	0.120	0.112	1	12	50	75	72	100	--	--	--	--	--	--	--
37	Central San Bernardino Mountains	36181	5181	--	--	--	362	0.176	0.126	0.120	2	16	67	97	78	115	--	--	--	--	--	--	--
38	East San Bernardino Mountains	36001	5818	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DISTRICT MAXIMUM				366	7	4.3	366	0.176	0.131	0.120	2	17	75	97	79	115		0.13	0.0302		0.09	0.012	0.0022
SOUTH COAST AIR BASIN					7	4.3		0.176	0.131	0.120	7	28	80	120	102	140		0.13	0.0302		0.09	0.012	0.0022

ppm - Parts Per Million parts of air, by volume.

AAM = Annual Arithmetic Mean

-- Pollutant not monitored.

* Less than 12 full months of data; may not be representative.

** Salton Sea Air Basin.

a) - The federal 8-hour standard (8-hour average CO > 9 ppm) and state 8-hour standard (8-hour average CO > 9.0 ppm) were not exceeded.

The federal and state 1-hour standards (35 ppm and 20 ppm) were not exceeded, either.

b) - The federal 1-hour ozone standard was revoked and replaced by the 8-hour average ozone standard effective June 15, 2005. U.S. EPA has revised the federal 8-hour ozone standard from 0.084 ppm to 0.075 ppm, effective May 27, 2008.

c) - The 8-hour average California ozone standard of 0.070 ppm was established effective May 17, 2006.

d) - The federal standard is annual arithmetic mean NO₂ > 0.0534 ppm. California Air Resources Board has revised the NO₂ 1-hour state standard from 0.25 ppm to 0.18 ppm and has established a new annual standard of 0.030 ppm, effective March 20, 2008.

e) - The state standards are 1-hour average SO₂ > 0.25 ppm and 24-hour average SO₂ > 0.04 ppm. The federal standards are annual arithmetic mean SO₂ > 0.03 ppm, 24-hour average > 0.14 ppm, and 3-hour average > 0.50 ppm. The federal and state SO₂ standards were not exceeded.



**South Coast
Air Quality Management District**
21865 Copley Drive
Diamond Bar, CA 91765-4182
www.aqmd.gov

The map showing the locations of source/receptor areas can be accessed via the Internet at <http://www.aqmd.gov/telemweb/areamap.aspx>. Locations of source/receptor areas are shown on the "South Coast Air Quality Management District Air Monitoring Areas" map available free of charge from SCAQMD Public Information.

**2008 AIR QUALITY
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**

2008

2008				Suspended Particulates PM10 ^{f)}					Fine Particulates PM2.5 ^{g)}					Particulates TSP ^{h)}			Lead ^{h)}		Sulfate ^{h)}		
				No. Days of Data	Max. Conc. in µg/m ³ 24-hour	No. (%) Samples Exceeding Standards		Annual Average Conc. ⁱ⁾ (AAM) µg/m ³	No. Days of Data	Max. Conc. in µg/m ³ 24-hour	98 th Percentile Conc. in µg/m ³ 24-hour	No. (%) Samples Exceeding Federal Standard		Annual Average Conc. ^{k)} (AAM) µg/m ³	No. Days of Data	Max. Conc. in µg/m ³ 24-hour	Annual Average Conc. (AAM) µg/m ³	Max. Monthly Average Conc. ^{l)} µg/m ³	Max. Quarterly Average Conc. ^{l)} µg/m ³	Max. Conc. in µg/m ³ 24-hour	% Samples Exceeding State Standard ^{l)} ≥ 25 µg/m ³ 24-hour
						Federal > 150 µg/m ³ 24-hour	State > 50 µg/m ³ 24-hour					Current > 35 ^{j)} µg/m ³ 24-hour	Old > 65 ^{j)} µg/m ³ 24-hour								
Source/Receptor Area	State	District	Station No.																		
No.	Location	Code	Code	Data	24-hour	24-hour	hour	µg/m ³	Data	24-hour	24-hour	24-hour	24-hour	µg/m ³	Data	24-hour	µg/m ³	24-hour			
LOS ANGELES COUNTY																					
1	Central LA	70087	087	42*	66*	0*	3(7%)*	32.2*	337	78.3	40.4	10(3.0)	1(0.3)	15.7							
2	Northwest Coastal LA County	70091	091	--	--	--	--	--	--	--	--	--	--	--							
3	Southwest Coastal LA County	70111	820	60	50	0	0(0%)	25.6	--	--	--	--	--	--							
4	South Coastal LA County 1	70072	072	57	62	0	1(2%)	29.1	346	57.2	38.9	8(2.3)	0	14.2							
4	South Coastal LA County 2	70110	077	58	81	0	9(16%)	35.8	349	60.9	36.4	7(2.0)	0	13.7							
6	West San Fernando Valley	70074	074	--	--	--	--	--	113	50.5	26.2	2(1.8)	0	11.9							
7	East San Fernando Valley	70069	069	54	66	0	7(13%)	35.6	116	57.5	34.6	2(1.7)	0	14.1							
8	West San Gabriel Valley	70088	088	--	--	--	--	--	118	66.0	32.1	2(1.7)	1(0.9)	12.9							
9	East San Gabriel Valley 1	70060	060	49	98	0	13(27%)	35.3	321	53.1	34.8	5(1.6)	0	14.1							
9	East San Gabriel Valley 2	70591	591	--	--	--	--	--	--	--	--	--	--	--							
10	Pomona/Walnut Valley	70075	075	--	--	--	--	--	--	--	--	--	--	--							
11	South San Gabriel Valley	70185	085	--	--	--	--	--	114	47.3	38.0	4(3.5)	0	15.0							
12	South Central LA County	70084	084	--	--	--	--	--	118	44.2	36.5	3(2.5)	0	15.5							
13	Santa Clarita Valley	70090	090	57	91	0	2(4%)	25.8	--	--	--	--	--	--							
ORANGE COUNTY																					
16	North Orange County	30177	3177	--	--	--	--	--	--	--	--	--	--	--							
17	Central Orange County	30178	3176	58	61	0	3(5%)	28.6	336	67.9	39.4	13(3.9)	1(0.3)	13.7							
18	North Coastal Orange County	30195	3195	--	--	--	--	--	--	--	--	--	--	--							
19	Saddleback Valley	30002	3812	55	42	0	0(0%)	22.6	120	32.6	27.1	0	0	10.4							
RIVERSIDE COUNTY																					
22	Norco/Corona	33155	4155	61	86	0	9(15%)	34.4	--	--	--	--	--	--							
23	Metropolitan Riverside County 1	33144	4144	119	115	0	49(41%)	47.0	348	57.7	41.5	14(4.0)	0	16.4							
23	Metropolitan Riverside County 2	33146	4146	61	135	0	35(57%)	57.4	116	43.0	39.1	4(3.4)	0	13.4							
23	Mira Loma	33165	5214	--	--	--	--	--	111	50.9	47.1	10(9.0)	0	18.2							
24	Perris Valley	33149	4149	45*	85*	0*	12(27%)*	38.3*	--	--	--	--	--	--							
25	Lake Elsinore	33158	4158	--	--	--	--	--	--	--	--	--	--	--							
29	Banning Airport	33164	4164	56	51	0	1(2%)	26.1	--	--	--	--	--	--							
30	Coachella Valley 1**	33137	4137	52	75	0	4(8%)	24.0	110	18.1	17.1	0	0	7.2							
30	Coachella Valley 2**	33157	4157	114	128	0	27(24%)	39.9	113	21.6	18.8	0	0	8.4							
SAN BERNARDINO COUNTY																					
32	Northwest San Bernardino Valley	36175	5175	--	--	--	--	--	--	--	--	--	--	--							
33	Southwest San Bernardino Valley	36025	5817	62	90	0	15(24%)	38.8	113	54.2	45.0	6(5.3)	0	15.8							
34	Central San Bernardino Valley 1	36197	5197	60	75	0	14(23%)	40.3	112	49.0	47.1	6(5.4)	0	15.4							
34	Central San Bernardino Valley 2	36203	5203	60	76	0	19(32%)	42.7	110	43.5	40.1	3(2.7)	0	13.5							
35	East San Bernardino Valley	36204	5204	61	58	0	4(7%)	29.0	--	--	--	--	--	--							
37	Central San Bernardino Mountains	36181	5181	46	46	0	0(0%)	25.0	--	--	--	--	--	--							
38	East San Bernardino Mountains	36001	5818	--	--	--	--	--	58	36.8	33.3	1(1.7)	0	9.2							
DISTRICT MAXIMUM					135	0	59	57.4		78.3	47.1	14	1	18.2							
SOUTH COAST AIR BASIN					135	0	68	57.4		78.3	47.1	28	2	18.2							

µg/m³ - Micrograms per cubic meter of air.

AAM = Annual Arithmetic Mean

-- - Pollutant not monitored.

* Less than 12 full months of data; may not be representative.

** Salton Sea Air Basin.

f) - PM10 samples were collected every 6 days at all sites except for Station Numbers 4144 and 4157 where samples were collected every 3 days.

g) - PM2.5 samples were collected every 3 days at all sites except for the following sites: Station Numbers 060, 072, 077, 087, 3176, and 4144 where samples were taken every day, and Station Number 5818 where samples were taken every 6 days.

h) - Total suspended particulates, lead, and sulfate were determined from samples collected every 6 days by the high volume sampler method, on glass fiber filter media.

i) - Federal annual PM10 standard (AAM > 50 µg/m³) was revoked effective December 17, 2006. State standard is annual average (AAM) > 20 µg/m³.

j) - U.S. EPA has revised the federal 24-hour PM2.5 standard from 65 µg/m³ to 35 µg/m³; effective December 17, 2006.

k) - Federal PM2.5 standard is annual average (AAM) > 15 µg/m³. State standard is annual average (AAM) > 12 µg/m³.

l) - Federal lead standard is quarterly average > 1.5 µg/m³; and state standard is monthly average ≥ 1.5 µg/m³. U.S. EPA has established the federal standard of 0.15 µg/m³, rolling 3-month average, as of October 15, 2008.



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Appendix C

EMFAC 2007 & CAL3QHC Output Files

Concentrations of CO for Project

2009 Existing

	1-Hour Bckgrnd Conc.	8-Hour Bckgrnd Conc.	Model RESULTS	Parts Per Million	
Intersection			1-hour	1-hour	8-hour
Glendale & Bellevue	3	2.6	1.2	4	3.4
Glendale & Temple - AM	3	2.6	1.1	4	3.4
Glendale & Temple - PM	3	2.6	1.1	4	3.4

2013 Baseline

	1-Hour Bckgrnd Conc.	8-Hour Bckgrnd Conc.	Model RESULTS	Parts Per Million	
Intersection			1-hour	1-hour	8-hour
Glendale & Bellevue	2	2	1.1	3	2.8
Glendale & Temple - AM	2	2	1	3	2.7
Glendale & Temple - PM	2	2	1	3	2.7

2013 Project

	1-Hour Bckgrnd Conc.	8-Hour Bckgrnd Conc.	Model RESULTS	Parts Per Million	
Intersection			1-hour	1-hour	8-hour
Glendale & Bellevue	2	2	1.1	3	2.8
Glendale & Temple - AM	2	2	1	3	2.7
Glendale & Temple - PM	2	2	1	3	2.7

State Standard

20 9.0

JOB: Glendale & Bellevue - EX - AM

RUN: Glendale & Bellevue - EX - AM

DATE : 1/21/10
TIME : 16:40: 6

The MODE flag has been set to C for calculating CO averages.

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 100. CM
U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE
1. nba	*	512.0	.0	512.0	500.0	*	500.	360. AG	691.	4.1	.0	56.0
2. nbd	*	512.0	500.0	512.0	1000.0	*	500.	360. AG	571.	4.1	.0	44.0
3. nbq	*	512.0	500.0	512.0	487.4	*	13.	180. AG	6.	100.0	.0	36.0 .19 .6
4. sba	*	488.0	1000.0	488.0	500.0	*	500.	180. AG	1924.	4.1	.0	56.0
5. sbd	*	488.0	500.0	488.0	.0	*	500.	180. AG	2352.	4.1	.0	44.0
6. sbq	*	488.0	536.0	488.0	571.1	*	35.	360. AG	6.	100.0	.0	36.0 .53 1.8
7. ebd	*	500.0	500.0	1000.0	500.0	*	500.	90. AG	257.	4.1	.0	32.0
8. wba	*	1000.0	518.0	500.0	518.0	*	500.	270. AG	565.	4.1	.0	56.0
9. wbq	*	524.0	518.0	601.1	518.0	*	77.	90. AG	31.	100.0	.0	36.0 .88 3.9

PAGE 2

JOB: Glendale & Bellevue - EX - AM

RUN: Glendale & Bellevue - EX - AM

DATE : 1/21/10
TIME : 16:40: 6

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	* CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. nbq	*	60	10	3.0	691	1600	4.84	3 3
6. sbq	*	60	10	3.0	1924	1600	4.84	3 3
9. wbq	*	60	47	3.0	565	1600	4.84	3 3

RECEPTOR LOCATIONS

RECEPTOR	* X	Y	Z	* Y
1. nw	*	466.0	546.0	5.4 *
2. ne	*	534.0	546.0	5.4 *
3. sw	*	466.0	490.0	5.4 *
4. se	*	534.0	490.0	5.4 *

MODEL RESULTS

REMARKS : In search of the angle corresponding to
the maximum concentration, only the first
angle, of the angles with same maximum
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND	* CONCENTRATION				
ANGLE	*	(PPM)			
(DEGR)*	REC1	REC2	REC3	REC4	
0.	*	.7	.3	.6	.6
10.	*	.8	.0	.9	.2
20.	*	.6	.0	.7	.2
30.	*	.5	.0	.5	.2
40.	*	.4	.0	.5	.2
50.	*	.4	.0	.4	.2
60.	*	.4	.0	.6	.3
70.	*	.4	.0	.5	.4
80.	*	.3	.0	.7	.3
90.	*	.4	.1	.6	.2
100.	*	.7	.2	.4	.1
110.	*	.6	.3	.4	.0
120.	*	.5	.2	.4	.0
130.	*	.4	.2	.5	.0
140.	*	.5	.2	.5	.0
150.	*	.6	.2	.6	.0
160.	*	.7	.2	.8	.0
170.	*	1.1	.2	1.2	.1
180.	*	.9	.6	.8	.4
190.	*	.2	1.0	.1	.8
200.	*	.1	.7	.0	.7
210.	*	.0	.7	.0	.6
220.	*	.0	.5	.0	.4
230.	*	.0	.5	.0	.4
240.	*	.0	.4	.0	.4
250.	*	.0	.3	.0	.4
260.	*	.0	.3	.0	.3
270.	*	.0	.3	.0	.3
280.	*	.0	.3	.0	.4
290.	*	.0	.3	.0	.4
300.	*	.0	.3	.0	.4
310.	*	.1	.4	.0	.4
320.	*	.1	.4	.0	.5
330.	*	.1	.4	.0	.5
340.	*	.1	.6	.1	.6
350.	*	.2	.6	.2	.8
360.	*	.7	.3	.6	.6
-----*					
MAX	*	1.1	1.0	1.2	.8
DEGR.	*	170	190	170	350

THE HIGHEST CONCENTRATION OF 1.20 PPM OCCURRED AT RECEPTOR REC3 .

JOB: Glendale & Bellevue - NP - AM

RUN: Glendale & Bellevue - NP - AM

DATE : 1/21/10
TIME : 16:46:25

The MODE flag has been set to C for calculating CO averages.

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 100. CM
U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE
1. nba	*	512.0	.0	512.0	500.0	*	500.	360. AG	821.	2.9	.0	56.0
2. nbd	*	512.0	500.0	512.0	1000.0	*	500.	360. AG	755.	2.9	.0	44.0
3. nbq	*	512.0	500.0	512.0	485.1	*	15.	180. AG	6.	100.0	.0	36.0 .23 .8
4. sba	*	488.0	1000.0	488.0	500.0	*	500.	180. AG	2062.	2.9	.0	56.0
5. sbd	*	488.0	500.0	488.0	.0	*	500.	180. AG	539.	2.9	.0	44.0
6. sbq	*	488.0	536.0	488.0	573.6	*	38.	360. AG	6.	100.0	.0	36.0 .57 1.9
7. ebd	*	500.0	500.0	1000.0	500.0	*	500.	90. AG	2235.	2.9	.0	32.0
8. wba	*	1000.0	518.0	500.0	518.0	*	500.	270. AG	646.	2.9	.0	56.0
9. wbq	*	524.0	518.0	671.1	518.0	*	147.	90. AG	30.	100.0	.0	36.0 1.01 7.5

PAGE 2

JOB: Glendale & Bellevue - NP - AM

RUN: Glendale & Bellevue - NP - AM

DATE : 1/21/10
TIME : 16:46:25

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	* CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. nbq	*	60	10	3.0	821	1600	4.83	3
6. sbq	*	60	10	3.0	2062	1600	4.83	3
9. wbq	*	60	47	3.0	646	1600	4.83	3

RECEPTOR LOCATIONS

RECEPTOR	* X	Y	Z	* Y
1. nw	*	466.0	546.0	5.4
2. ne	*	534.0	546.0	5.4
3. sw	*	466.0	490.0	5.4
4. se	*	534.0	490.0	5.4

MODEL RESULTS

REMARKS : In search of the angle corresponding to
the maximum concentration, only the first
angle, of the angles with same maximum
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND	* CONCENTRATION				
ANGLE	* (PPM)				
(DEGR)*	REC1	REC2	REC3	REC4	
0.	* .5	.3	.5	.7	
10.	* .7	.0	.6	.4	
20.	* .5	.0	.4	.4	
30.	* .4	.0	.3	.4	
40.	* .4	.0	.3	.5	
50.	* .3	.0	.3	.5	
60.	* .3	.0	.5	.6	
70.	* .3	.0	.5	.8	
80.	* .3	.0	.7	1.1	
90.	* .5	.2	.9	.9	
100.	* .8	.6	.4	.4	
110.	* .8	.6	.2	.1	
120.	* .7	.4	.2	.1	
130.	* .4	.4	.2	.1	
140.	* .3	.4	.2	.1	
150.	* .3	.4	.2	.0	
160.	* .4	.4	.2	.0	
170.	* .4	.4	.3	.1	
180.	* .4	.6	.1	.2	
190.	* .1	.8	.0	.3	
200.	* .1	.6	.0	.3	
210.	* .0	.5	.0	.2	
220.	* .0	.4	.0	.3	
230.	* .0	.2	.0	.2	
240.	* .0	.3	.0	.2	
250.	* .0	.3	.0	.2	
260.	* .0	.3	.0	.3	
270.	* .0	.3	.0	.4	
280.	* .0	.3	.0	.5	
290.	* .0	.3	.0	.5	
300.	* .0	.3	.0	.5	
310.	* .0	.3	.0	.6	
320.	* .0	.3	.0	.7	
330.	* .0	.3	.0	.6	
340.	* .1	.5	.0	.7	
350.	* .2	.5	.2	.9	
360.	* .5	.3	.5	.7	
-----*					
MAX	* .8	.8	.9	1.1	
DEGR.	* 100	190	90	80	

THE HIGHEST CONCENTRATION OF 1.10 PPM OCCURRED AT RECEPTOR REC4 .

JOB: Glendale & Bellevue - WP - AM

RUN: Glendale & Bellevue - WP - AM

DATE : 1/21/10
TIME : 16:48:18

The MODE flag has been set to C for calculating CO averages.

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 100. CM
U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE
1. nba	*	512.0	.0	512.0	500.0	*	500.	360. AG	848.	2.9	.0	56.0
2. nbd	*	512.0	500.0	512.0	1000.0	*	500.	360. AG	768.	2.9	.0	44.0
3. nbq	*	512.0	500.0	512.0	484.6	*	15.	180. AG	6.	100.0	.0	36.0 .24 .8
4. sba	*	488.0	1000.0	488.0	500.0	*	500.	180. AG	2062.	2.9	.0	56.0
5. sbd	*	488.0	500.0	488.0	.0	*	500.	180. AG	548.	2.9	.0	44.0
6. sbq	*	488.0	536.0	488.0	573.6	*	38.	360. AG	6.	100.0	.0	36.0 .57 1.9
7. ebd	*	500.0	500.0	1000.0	500.0	*	500.	90. AG	2249.	2.9	.0	32.0
8. wba	*	1000.0	518.0	500.0	518.0	*	500.	270. AG	655.	2.9	.0	56.0
9. wbq	*	524.0	518.0	702.4	518.0	*	178.	90. AG	30.	100.0	.0	36.0 1.02 9.1

PAGE 2

JOB: Glendale & Bellevue - WP - AM

RUN: Glendale & Bellevue - WP - AM

DATE : 1/21/10
TIME : 16:48:18

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	* CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. nbq	*	60	10	3.0	848	1600	4.83	3 3
6. sbq	*	60	10	3.0	2062	1600	4.83	3 3
9. wbq	*	60	47	3.0	655	1600	4.83	3 3

RECEPTOR LOCATIONS

RECEPTOR	* X	Y	Z	* Y
1. nw	*	466.0	546.0	5.4 *
2. ne	*	534.0	546.0	5.4 *
3. sw	*	466.0	490.0	5.4 *
4. se	*	534.0	490.0	5.4 *

MODEL RESULTS

REMARKS : In search of the angle corresponding to
the maximum concentration, only the first
angle, of the angles with same maximum
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND	* CONCENTRATION				
ANGLE	* (PPM)				
(DEGR)*	REC1	REC2	REC3	REC4	
0.	.5	.3	.5	.7	
10.	.7	.0	.6	.4	
20.	.5	.0	.4	.4	
30.	.4	.0	.3	.4	
40.	.4	.0	.3	.5	
50.	.3	.0	.3	.5	
60.	.3	.0	.5	.6	
70.	.3	.0	.5	.8	
80.	.3	.0	.8	1.1	
90.	.6	.2	1.0	.9	
100.	.8	.6	.4	.4	
110.	.8	.6	.2	.1	
120.	.7	.4	.2	.1	
130.	.5	.4	.2	.1	
140.	.3	.4	.2	.1	
150.	.3	.4	.2	.0	
160.	.4	.4	.2	.0	
170.	.4	.4	.3	.1	
180.	.4	.6	.1	.2	
190.	.1	.8	.0	.3	
200.	.1	.6	.0	.3	
210.	.0	.5	.0	.2	
220.	.0	.4	.0	.3	
230.	.0	.2	.0	.2	
240.	.0	.3	.0	.2	
250.	.0	.3	.0	.2	
260.	.0	.3	.0	.3	
270.	.0	.3	.0	.4	
280.	.0	.3	.0	.5	
290.	.0	.3	.0	.5	
300.	.0	.3	.0	.5	
310.	.0	.3	.0	.6	
320.	.0	.3	.0	.7	
330.	.0	.3	.0	.6	
340.	.1	.5	.0	.7	
350.	.2	.5	.2	.9	
360.	.5	.3	.5	.7	
MAX	.8	.8	1.0	1.1	
DEGR.	100	190	90	80	

THE HIGHEST CONCENTRATION OF 1.10 PPM OCCURRED AT RECEPTOR REC4 .

JOB: Glendale & Temple - EX - AM

RUN: Glendale & Temple - EX - AM

DATE : 1/25/10
TIME : 10:36: 4

The MODE flag has been set to C for calculating CO averages.

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 100. CM
U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE
1. nba	*	518.0	.0	518.0	500.0	*	500.	360. AG	508.	4.1	.0	56.0
2. nbd	*	518.0	500.0	518.0	1000.0	*	500.	360. AG	725.	4.1	.0	44.0
3. nbq	*	518.0	464.0	518.0	445.5	*	18.	180. AG	13.	100.0	.0	36.0 .18 .9
4. sba	*	482.0	1000.0	482.0	500.0	*	500.	180. AG	2234.	4.1	.0	56.0
5. sbd	*	482.0	500.0	482.0	.0	*	500.	180. AG	2061.	4.1	.0	44.0
6. sbq	*	482.0	536.0	482.0	623.5	*	88.	360. AG	13.	100.0	.0	36.0 .80 4.4
7. eba	*	.0	482.0	500.0	482.0	*	500.	90. AG	872.	4.1	.0	56.0
8. ebd	*	500.0	482.0	1000.0	482.0	*	500.	90. AG	730.	4.1	.0	44.0
9. ebq	*	464.0	482.0	405.3	482.0	*	59.	270. AG	24.	100.0	.0	36.0 .61 3.0
10. wba	*	1000.0	518.0	500.0	518.0	*	500.	270. AG	627.	4.1	.0	56.0
11. wbd	*	500.0	518.0	.0	518.0	*	500.	270. AG	725.	4.1	.0	44.0
12. wbq	*	536.0	518.0	578.3	518.0	*	42.	90. AG	24.	100.0	.0	36.0 .44 2.1

PAGE 2

JOB: Glendale & Temple - EX - AM

RUN: Glendale & Temple - EX - AM

DATE : 1/25/10
TIME : 10:36: 4

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	* CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. nbq	*	60	20	3.0	508	1600	4.84	3 3
6. sbq	*	60	20	3.0	2234	1600	4.84	3 3
9. ebq	*	60	37	3.0	872	1600	4.84	3 3
12. wbq	*	60	37	3.0	627	1600	4.84	3 3

RECEPTOR LOCATIONS

RECEPTOR	* X	Y	Z	*
1. NW	*	454.0	546.0	5.4 *
2. NE	*	546.0	546.0	5.4 *
3. SW	*	454.0	454.0	5.4 *
4. SE	*	546.0	454.0	5.4 *

MODEL RESULTS

REMARKS : In search of the angle corresponding to
the maximum concentration, only the first
angle, of the angles with same maximum
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND	* CONCENTRATION				
ANGLE	*	(PPM)			
(DEGR)*	REC1	REC2	REC3	REC4	
0.	*	.6	.2	.8	.4
10.	*	.9	.0	1.1	.3
20.	*	.7	.0	.9	.2
30.	*	.7	.0	.7	.2
40.	*	.6	.0	.6	.2
50.	*	.4	.0	.5	.2
60.	*	.4	.0	.6	.2
70.	*	.4	.0	.6	.3
80.	*	.4	.0	.7	.3
90.	*	.5	.2	.5	.1
100.	*	.7	.3	.3	.0
110.	*	.7	.3	.4	.0
120.	*	.7	.2	.4	.0
130.	*	.5	.3	.4	.0
140.	*	.6	.3	.4	.0
150.	*	.8	.3	.5	.0
160.	*	.9	.3	.6	.0
170.	*	1.1	.3	.8	.0
180.	*	.7	.5	.4	.2
190.	*	.3	.7	.0	.5
200.	*	.3	.7	.0	.4
210.	*	.2	.6	.0	.4
220.	*	.2	.5	.0	.3
230.	*	.2	.5	.0	.3
240.	*	.2	.7	.0	.3
250.	*	.3	.6	.0	.3
260.	*	.3	.7	.0	.3
270.	*	.1	.4	.2	.5
280.	*	.0	.3	.4	.6
290.	*	.0	.3	.3	.6
300.	*	.0	.3	.4	.7
310.	*	.0	.3	.4	.5
320.	*	.0	.4	.3	.4
330.	*	.0	.4	.3	.6
340.	*	.0	.6	.3	.8
350.	*	.1	.5	.4	.8
360.	*	.6	.2	.8	.4
-----*					
MAX	*	1.1	.7	1.1	.8
DEGR.	*	170	190	10	340

THE HIGHEST CONCENTRATION OF 1.10 PPM OCCURRED AT RECEPTOR REC3 .

JOB: Glendale & Temple - NP - AM

RUN: Glendale & Temple - NP - AM

DATE : 1/25/10
TIME : 10:39:10

The MODE flag has been set to C for calculating CO averages.

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 100. CM
U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE
1. nba	*	518.0	.0	518.0	500.0	*	500.	360. AG	645.	2.9	.0	56.0
2. nbd	*	518.0	500.0	518.0	1000.0	*	500.	360. AG	856.	2.9	.0	44.0
3. nbq	*	518.0	464.0	518.0	440.5	*	24.	180. AG	13.	100.0	.0	36.0 .23 1.2
4. sba	*	482.0	1000.0	482.0	500.0	*	500.	180. AG	2367.	2.9	.0	56.0
5. sbd	*	482.0	500.0	482.0	.0	*	500.	180. AG	2198.	2.9	.0	44.0
6. sbq	*	482.0	536.0	482.0	640.5	*	104.	360. AG	13.	100.0	.0	36.0 .85 5.3
7. eba	*	.0	482.0	500.0	482.0	*	500.	90. AG	940.	2.9	.0	56.0
8. ebd	*	500.0	482.0	1000.0	482.0	*	500.	90. AG	789.	2.9	.0	44.0
9. ebq	*	464.0	482.0	400.7	482.0	*	63.	270. AG	24.	100.0	.0	36.0 .65 3.2
10. wba	*	1000.0	518.0	500.0	518.0	*	500.	270. AG	672.	2.9	.0	56.0
11. wbd	*	500.0	518.0	.0	518.0	*	500.	270. AG	781.	2.9	.0	44.0
12. wbq	*	536.0	518.0	581.3	518.0	*	45.	90. AG	24.	100.0	.0	36.0 .47 2.3

PAGE 2

JOB: Glendale & Temple - NP - AM

RUN: Glendale & Temple - NP - AM

DATE : 1/25/10
TIME : 10:39:10

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	* CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. nbq	*	60	20	3.0	645	1600	4.83	3 3
6. sbq	*	60	20	3.0	2367	1600	4.83	3 3
9. ebq	*	60	37	3.0	940	1600	4.83	3 3
12. wbq	*	60	37	3.0	672	1600	4.83	3 3

RECEPTOR LOCATIONS

RECEPTOR	* X	Y	Z	*
1. NW	*	454.0	546.0	5.4 *
2. NE	*	546.0	546.0	5.4 *
3. SW	*	454.0	454.0	5.4 *
4. SE	*	546.0	454.0	5.4 *

MODEL RESULTS

REMARKS : In search of the angle corresponding to
the maximum concentration, only the first
angle, of the angles with same maximum
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND	* CONCENTRATION				
ANGLE	*	(PPM)			
(DEGR)*	REC1	REC2	REC3	REC4	
0.	*	.4	.1	.7	.3
10.	*	.7	.0	1.0	.2
20.	*	.7	.0	.7	.1
30.	*	.5	.0	.6	.2
40.	*	.5	.0	.5	.2
50.	*	.4	.0	.3	.2
60.	*	.3	.0	.5	.2
70.	*	.3	.0	.5	.2
80.	*	.3	.0	.6	.3
90.	*	.4	.1	.3	.1
100.	*	.5	.3	.2	.0
110.	*	.5	.2	.2	.0
120.	*	.4	.2	.3	.0
130.	*	.4	.3	.3	.0
140.	*	.4	.3	.4	.0
150.	*	.6	.3	.4	.0
160.	*	.8	.3	.5	.0
170.	*	1.0	.3	.6	.0
180.	*	.6	.5	.3	.1
190.	*	.3	.6	.0	.4
200.	*	.3	.7	.0	.4
210.	*	.3	.4	.0	.3
220.	*	.2	.4	.0	.3
230.	*	.2	.5	.0	.3
240.	*	.2	.5	.0	.3
250.	*	.2	.5	.0	.3
260.	*	.3	.6	.0	.2
270.	*	.1	.4	.2	.3
280.	*	.0	.3	.3	.6
290.	*	.0	.3	.3	.4
300.	*	.0	.3	.3	.6
310.	*	.0	.3	.3	.5
320.	*	.0	.3	.3	.4
330.	*	.0	.3	.3	.5
340.	*	.0	.5	.3	.5
350.	*	.1	.4	.3	.6
360.	*	.4	.1	.7	.3
-----*					
MAX	*	1.0	.7	1.0	.6
DEGR.	*	170	200	10	280

THE HIGHEST CONCENTRATION OF 1.00 PPM OCCURRED AT RECEPTOR REC3 .

JOB: Glendale & Temple - WP - AM

RUN: Glendale & Temple - WP - AM

DATE : 1/25/10
TIME : 10:40:35

The MODE flag has been set to C for calculating CO averages.

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 100. CM
U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE
1. nba	*	518.0	.0	518.0	500.0	*	500.	360. AG	651.	2.9	.0	56.0
2. nbd	*	518.0	500.0	518.0	1000.0	*	500.	360. AG	882.	2.9	.0	44.0
3. nbq	*	518.0	464.0	518.0	440.3	*	24.	180. AG	13.	100.0	.0	36.0 .23 1.2
4. sba	*	482.0	1000.0	482.0	500.0	*	500.	180. AG	2367.	2.9	.0	56.0
5. sbd	*	482.0	500.0	482.0	.0	*	500.	180. AG	2198.	2.9	.0	44.0
6. sbq	*	482.0	536.0	482.0	640.5	*	104.	360. AG	13.	100.0	.0	36.0 .85 5.3
7. eba	*	.0	482.0	500.0	482.0	*	500.	90. AG	958.	2.9	.0	56.0
8. ebd	*	500.0	482.0	1000.0	482.0	*	500.	90. AG	789.	2.9	.0	44.0
9. ebq	*	464.0	482.0	399.5	482.0	*	65.	270. AG	24.	100.0	.0	36.0 .67 3.3
10. wba	*	1000.0	518.0	500.0	518.0	*	500.	270. AG	674.	2.9	.0	56.0
11. wbd	*	500.0	518.0	.0	518.0	*	500.	270. AG	781.	2.9	.0	44.0
12. wbq	*	536.0	518.0	581.3	518.0	*	45.	90. AG	24.	100.0	.0	36.0 .47 2.3

PAGE 2

JOB: Glendale & Temple - WP - AM

RUN: Glendale & Temple - WP - AM

DATE : 1/25/10
TIME : 10:40:35

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	* CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. nbq	*	60	20	3.0	651	1600	4.83	3 3
6. sbq	*	60	20	3.0	2367	1600	4.83	3 3
9. ebq	*	60	37	3.0	958	1600	4.83	3 3
12. wbq	*	60	37	3.0	674	1600	4.83	3 3

RECEPTOR LOCATIONS

RECEPTOR	* X	Y	Z	*
1. NW	*	454.0	546.0	5.4 *
2. NE	*	546.0	546.0	5.4 *
3. SW	*	454.0	454.0	5.4 *
4. SE	*	546.0	454.0	5.4 *

MODEL RESULTS

REMARKS : In search of the angle corresponding to
the maximum concentration, only the first
angle, of the angles with same maximum
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* *	CONCENTRATION (PPM)	REC1	REC2	REC3	REC4
0.	*	.4	.1	.7	.3	
10.	*	.7	.0	1.0	.2	
20.	*	.7	.0	.7	.1	
30.	*	.5	.0	.6	.2	
40.	*	.5	.0	.5	.2	
50.	*	.4	.0	.3	.2	
60.	*	.3	.0	.5	.2	
70.	*	.3	.0	.5	.2	
80.	*	.3	.0	.6	.3	
90.	*	.4	.1	.3	.1	
100.	*	.5	.3	.2	.0	
110.	*	.5	.2	.2	.0	
120.	*	.4	.2	.3	.0	
130.	*	.4	.3	.3	.0	
140.	*	.4	.3	.4	.0	
150.	*	.6	.3	.4	.0	
160.	*	.8	.3	.5	.0	
170.	*	1.0	.3	.6	.0	
180.	*	.6	.5	.3	.1	
190.	*	.3	.6	.0	.4	
200.	*	.3	.7	.0	.4	
210.	*	.3	.4	.0	.3	
220.	*	.2	.4	.0	.3	
230.	*	.2	.5	.0	.3	
240.	*	.2	.5	.0	.3	
250.	*	.2	.5	.0	.3	
260.	*	.3	.6	.0	.2	
270.	*	.1	.4	.2	.3	
280.	*	.0	.3	.3	.6	
290.	*	.0	.3	.3	.4	
300.	*	.0	.3	.3	.6	
310.	*	.0	.3	.3	.5	
320.	*	.0	.3	.3	.4	
330.	*	.0	.3	.3	.5	
340.	*	.0	.5	.3	.5	
350.	*	.1	.4	.3	.6	
360.	*	.4	.1	.7	.3	
MAX	*	1.0	.7	1.0	.6	
DEGR.	*	170	200	10	280	

THE HIGHEST CONCENTRATION OF 1.00 PPM OCCURRED AT RECEPTOR REC3 .

JOB: Glendale & Temple - EX - PM

RUN: Glendale & Temple - EX - PM

DATE : 1/25/10
TIME : 10:42:34

The MODE flag has been set to C for calculating CO averages.

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 100. CM
U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE
1. nba	*	518.0	.0	518.0	500.0	*	500.	360. AG	1545.	4.1	.0	56.0
2. nbd	*	518.0	500.0	518.0	1000.0	*	500.	360. AG	1999.	4.1	.0	44.0
3. nbq	*	518.0	464.0	518.0	396.4	*	68.	180. AG	16.	100.0	.0	36.0
4. sba	*	482.0	1000.0	482.0	500.0	*	500.	180. AG	1180.	4.1	.0	56.0
5. sbd	*	482.0	500.0	482.0	.0	*	500.	180. AG	1026.	4.1	.0	44.0
6. sbq	*	482.0	536.0	482.0	587.6	*	52.	360. AG	16.	100.0	.0	36.0
7. eba	*	.0	482.0	500.0	482.0	*	500.	90. AG	1133.	4.1	.0	56.0
8. ebd	*	500.0	482.0	1000.0	482.0	*	500.	90. AG	817.	4.1	.0	44.0
9. ebq	*	464.0	482.0	396.0	482.0	*	68.	270. AG	21.	100.0	.0	36.0
10. wba	*	1000.0	518.0	500.0	518.0	*	500.	270. AG	825.	4.1	.0	56.0
11. wbd	*	500.0	518.0	.0	518.0	*	500.	270. AG	841.	4.1	.0	44.0
12. wbq	*	536.0	518.0	585.6	518.0	*	50.	90. AG	21.	100.0	.0	36.0

PAGE 2

JOB: Glendale & Temple - EX - PM

RUN: Glendale & Temple - EX - PM

DATE : 1/25/10
TIME : 10:42:34

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	* CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. nbq	*	60	24	3.0	1545	1600	4.84	3
6. sbq	*	60	24	3.0	1180	1600	4.84	3
9. ebq	*	60	33	3.0	1133	1600	4.84	3
12. wbq	*	60	33	3.0	825	1600	4.84	3

RECEPTOR LOCATIONS

RECEPTOR	* X	Y	Z	*	
1. NW	*	454.0	546.0	5.4	*
2. NE	*	546.0	546.0	5.4	*
3. SW	*	454.0	454.0	5.4	*
4. SE	*	546.0	454.0	5.4	*

MODEL RESULTS

REMARKS : In search of the angle corresponding to
the maximum concentration, only the first
angle, of the angles with same maximum
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND	* CONCENTRATION				
ANGLE	*	(PPM)			
(DEGR)*	REC1	REC2	REC3	REC4	
0.	*	.4	.4	.8	.7
10.	*	.7	.0	1.0	.2
20.	*	.6	.0	.8	.2
30.	*	.5	.0	.8	.2
40.	*	.4	.0	.7	.2
50.	*	.5	.0	.5	.2
60.	*	.5	.0	.6	.3
70.	*	.4	.0	.5	.3
80.	*	.4	.0	.6	.4
90.	*	.6	.2	.5	.1
100.	*	.7	.4	.2	.0
110.	*	.7	.3	.3	.0
120.	*	.7	.3	.3	.0
130.	*	.6	.3	.4	.0
140.	*	.7	.3	.4	.0
150.	*	.6	.3	.4	.0
160.	*	.8	.3	.6	.0
170.	*	.9	.3	.5	.1
180.	*	.6	.6	.2	.4
190.	*	.2	1.0	.0	.7
200.	*	.2	.9	.0	.6
210.	*	.2	.6	.0	.5
220.	*	.2	.7	.0	.5
230.	*	.2	.7	.0	.4
240.	*	.4	.8	.0	.4
250.	*	.4	.8	.0	.3
260.	*	.5	.9	.1	.3
270.	*	.1	.6	.3	.5
280.	*	.0	.4	.5	.7
290.	*	.0	.4	.4	.7
300.	*	.0	.4	.4	.6
310.	*	.0	.4	.4	.6
320.	*	.0	.4	.4	.6
330.	*	.0	.6	.4	.8
340.	*	.0	.7	.3	1.0
350.	*	.1	.9	.3	1.1
360.	*	.4	.4	.8	.7
-----*					
MAX	*	.9	1.0	1.0	1.1
DEGR.	*	170	190	10	350

THE HIGHEST CONCENTRATION OF 1.10 PPM OCCURRED AT RECEPTOR REC4 .

JOB: Glendale & Temple - NP - PM

RUN: Glendale & Temple - NP - PM

DATE : 1/25/10
TIME : 10:44:37

The MODE flag has been set to C for calculating CO averages.

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 100. CM
U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE
1. nba	*	518.0	.0	518.0	500.0	*	500.	360. AG	1709.	2.9	.0	56.0
2. nbd	*	518.0	500.0	518.0	1000.0	*	500.	360. AG	2165.	2.9	.0	44.0
3. nbq	*	518.0	464.0	518.0	392.4	*	72.	180. AG	15.	100.0	.0	36.0 .67 3.6
4. sba	*	482.0	1000.0	482.0	500.0	*	500.	180. AG	1362.	2.9	.0	56.0
5. sbd	*	482.0	500.0	482.0	.0	*	500.	180. AG	1220.	2.9	.0	44.0
6. sbq	*	482.0	536.0	482.0	593.1	*	57.	360. AG	15.	100.0	.0	36.0 .53 2.9
7. eba	*	.0	482.0	500.0	482.0	*	500.	90. AG	1246.	2.9	.0	56.0
8. ebd	*	500.0	482.0	1000.0	482.0	*	500.	90. AG	879.	2.9	.0	44.0
9. ebq	*	464.0	482.0	382.8	482.0	*	81.	270. AG	22.	100.0	.0	36.0 .74 4.1
10. wba	*	1000.0	518.0	500.0	518.0	*	500.	270. AG	877.	2.9	.0	56.0
11. wbd	*	500.0	518.0	.0	518.0	*	500.	270. AG	830.	2.9	.0	44.0
12. wbq	*	536.0	518.0	590.3	518.0	*	54.	90. AG	22.	100.0	.0	36.0 .52 2.8

PAGE 2

JOB: Glendale & Temple - NP - PM

RUN: Glendale & Temple - NP - PM

DATE : 1/25/10
TIME : 10:44:37

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	* CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. nbq	*	60	23	3.0	1709	1600	4.83	3 3
6. sbq	*	60	23	3.0	1362	1600	4.83	3 3
9. ebq	*	60	34	3.0	1246	1600	4.83	3 3
12. wbq	*	60	34	3.0	877	1600	4.83	3 3

RECEPTOR LOCATIONS

RECEPTOR	* X	Y	Z	*
1. NW	*	454.0	546.0	5.4 *
2. NE	*	546.0	546.0	5.4 *
3. SW	*	454.0	454.0	5.4 *
4. SE	*	546.0	454.0	5.4 *

MODEL RESULTS

REMARKS : In search of the angle corresponding to
the maximum concentration, only the first
angle, of the angles with same maximum
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND	* CONCENTRATION				
ANGLE	*	(PPM)			
(DEGR)*	REC1	REC2	REC3	REC4	
0.	*	.2	.3	.6	.6
10.	*	.6	.0	.8	.2
20.	*	.5	.0	.8	.2
30.	*	.4	.0	.5	.2
40.	*	.5	.0	.4	.2
50.	*	.5	.0	.5	.2
60.	*	.3	.0	.5	.2
70.	*	.3	.0	.5	.3
80.	*	.2	.0	.6	.3
90.	*	.3	.2	.4	.1
100.	*	.5	.3	.2	.0
110.	*	.5	.3	.2	.0
120.	*	.5	.3	.2	.0
130.	*	.5	.3	.2	.0
140.	*	.3	.3	.2	.0
150.	*	.6	.3	.4	.0
160.	*	.7	.3	.4	.0
170.	*	.8	.3	.5	.1
180.	*	.6	.6	.2	.3
190.	*	.2	.8	.0	.5
200.	*	.3	.6	.0	.4
210.	*	.3	.5	.0	.4
220.	*	.2	.6	.0	.4
230.	*	.2	.5	.0	.4
240.	*	.2	.6	.0	.3
250.	*	.3	.7	.0	.3
260.	*	.3	.7	.0	.3
270.	*	.1	.4	.2	.5
280.	*	.0	.3	.4	.8
290.	*	.0	.3	.4	.7
300.	*	.0	.3	.4	.6
310.	*	.0	.3	.4	.5
320.	*	.0	.4	.3	.5
330.	*	.0	.4	.3	.4
340.	*	.0	.6	.3	.8
350.	*	.0	.6	.3	1.0
360.	*	.2	.3	.6	.6
MAX	*	.8	.8	.8	1.0
DEGR.	*	170	190	10	350

THE HIGHEST CONCENTRATION OF 1.00 PPM OCCURRED AT RECEPTOR REC4 .

JOB: Glendale & Temple - WP - PM

RUN: Glendale & Temple - WP - PM

DATE : 1/25/10
TIME : 10:46:54

The MODE flag has been set to C for calculating CO averages.

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 100. CM
U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = .0 PPM

LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* LENGTH (FT)	BRG TYPE (DEG)	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE
1. nba	*	518.0	.0	518.0	500.0	*	500.	360. AG	1709.	2.9	.0	56.0
2. nbd	*	518.0	500.0	518.0	1000.0	*	500.	360. AG	2179.	2.9	.0	44.0
3. nbq	*	518.0	464.0	518.0	392.4	*	72.	180. AG	15.	100.0	.0	36.0 .67 3.6
4. sba	*	482.0	1000.0	482.0	500.0	*	500.	180. AG	1372.	2.9	.0	56.0
5. sbd	*	482.0	500.0	482.0	.0	*	500.	180. AG	1226.	2.9	.0	44.0
6. sbq	*	482.0	536.0	482.0	593.5	*	57.	360. AG	15.	100.0	.0	36.0 .54 2.9
7. eba	*	.0	482.0	500.0	482.0	*	500.	90. AG	1260.	2.9	.0	56.0
8. ebd	*	500.0	482.0	1000.0	482.0	*	500.	90. AG	881.	2.9	.0	44.0
9. ebq	*	464.0	482.0	380.9	482.0	*	83.	270. AG	22.	100.0	.0	36.0 .75 4.2
10. wba	*	1000.0	518.0	500.0	518.0	*	500.	270. AG	877.	2.9	.0	56.0
11. wbd	*	500.0	518.0	.0	518.0	*	500.	270. AG	932.	2.9	.0	44.0
12. wbq	*	536.0	518.0	590.3	518.0	*	54.	90. AG	22.	100.0	.0	36.0 .52 2.8

PAGE 2

JOB: Glendale & Temple - WP - PM

RUN: Glendale & Temple - WP - PM

DATE : 1/25/10
TIME : 10:46:54

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	* CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
3. nbq	*	60	23	3.0	1709	1600	4.83	3 3
6. sbq	*	60	23	3.0	1372	1600	4.83	3 3
9. ebq	*	60	34	3.0	1260	1600	4.83	3 3
12. wbq	*	60	34	3.0	877	1600	4.83	3 3

RECEPTOR LOCATIONS

RECEPTOR	* X	Y	Z	*
1. NW	*	454.0	546.0	5.4 *
2. NE	*	546.0	546.0	5.4 *
3. SW	*	454.0	454.0	5.4 *
4. SE	*	546.0	454.0	5.4 *

MODEL RESULTS

REMARKS : In search of the angle corresponding to
the maximum concentration, only the first
angle, of the angles with same maximum
concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND	* CONCENTRATION				
ANGLE	*	(PPM)			
(DEGR)*	REC1	REC2	REC3	REC4	
0.	*	.2	.3	.6	.6
10.	*	.6	.0	.8	.2
20.	*	.5	.0	.8	.2
30.	*	.4	.0	.6	.2
40.	*	.5	.0	.5	.2
50.	*	.5	.0	.5	.2
60.	*	.3	.0	.5	.2
70.	*	.3	.0	.5	.3
80.	*	.2	.0	.6	.3
90.	*	.3	.2	.4	.1
100.	*	.5	.3	.2	.0
110.	*	.5	.3	.2	.0
120.	*	.5	.3	.2	.0
130.	*	.5	.3	.2	.0
140.	*	.3	.3	.2	.0
150.	*	.6	.3	.4	.0
160.	*	.7	.3	.4	.0
170.	*	.8	.3	.5	.1
180.	*	.6	.6	.2	.3
190.	*	.2	.8	.0	.5
200.	*	.3	.6	.0	.4
210.	*	.3	.5	.0	.4
220.	*	.2	.6	.0	.4
230.	*	.2	.5	.0	.4
240.	*	.2	.6	.0	.3
250.	*	.3	.7	.0	.3
260.	*	.3	.7	.0	.3
270.	*	.1	.4	.2	.5
280.	*	.0	.3	.4	.8
290.	*	.0	.3	.4	.7
300.	*	.0	.3	.4	.6
310.	*	.0	.3	.4	.5
320.	*	.0	.4	.3	.5
330.	*	.0	.4	.3	.4
340.	*	.0	.6	.3	.8
350.	*	.0	.6	.3	1.0
360.	*	.2	.3	.6	.6
-----*					
MAX	*	.8	.8	.8	1.0
DEGR.	*	170	190	10	350

THE HIGHEST CONCENTRATION OF 1.00 PPM OCCURRED AT RECEPTOR REC4 .

Appendix D

Construction Emission Calculations and Output Files

Construction - UNMITIGATED

Echo Park Lake Rehabilitation Project - CONSTRUCTION EMISSIONS

EQUIPMENT			Equipment Emissions (ppd)						
	# Equipment	Hours/Day	ROG	CO	NOX	SOX	PM10	PM2.5	CO2
Construction									
Heavy Equipment	10	10	16.66	53.04	151.48	0.15	6.65	6.12	14,119.41
TOTAL	10		16.66	53.04	151.48	0.15	6.65	6.12	14,119.41

WORKER VEHICLES			Worker Vehicle Emissions (ppd)						
	# of Workers	Total VMT/Day	ROG	CO	NOX	SOX	PM10	PM2.5	CO2
Construction	40	1,064.00	0.30	6.46	0.56	0.008	0.027	0.025	893.6
Cars	20.0	532.00	0.10	2.42	0.21	0.004	0.012	0.011	398.1
Trucks	20.0	532.00	0.20	4.04	0.35	0.005	0.015	0.014	495.4

HEAVY-DUTY TRUCK TRIPS				Heavy-duty Truck Emissions (ppd)						
	Trips per Day	Round Trip Length	VMT/day	ROG	CO	NOX	SOX	PM10	PM2.5	CO2
Construction	85	30	2,550	7.38	39.22	76.70	0.10	2.93	2.70	10,521.17

FUGITIVE DUST			
	Max Daily Demo (ft³)	PM10	PM2.5
Soil Removal [1]	6,000	2.52	0.52
	Max Daily Grading (acres)	PM10	PM2.5
Grading [2]	5.00	74.5	15.5

TOTAL EMISSIONS		Emissions (ppd)						
		ROG	CO	NOX	SOX	PM10	PM2.5	CO2
Construction		24.33	98.71	228.74	0.26	86.62	24.86	25,534.15
On-Site		16.66	53.04	151.48	0.15	83.66	22.13	14,119.41
Off-Site		7.68	45.68	77.26	0.11	2.96	2.72	11,414.75
Regional Daily Maximum		24	99	229	0	86.6	24.9	
REGIONAL THRESHOLD		75	550	100	150	150	55	
IMPACT?		No	No	Yes	No	No	No	
On-Site Daily Maximum		17	53	151	0	84	22	

[1] Used URBEMIS2007's rate for demolition dust. PM10 pounds/day = (0.00042 pounds/cubic feet) * (total cubic feet of material in one day).

[2] Used URBEMIS2007's rate for grading dust of 38.2 pounds per acre, and applied 61% reduction based on Rule 403 compliance.

Appendix E

Health Risk Assessment Dispersion Modeling

HEALTH RISK ASSESSMENT

Project Alternative

PROJECT: Echo Park Lake

PROJECT NO: 2009-034

Annual Average Receptor Concentration

Pollutant	micrograms/cubic meter
Diesel Particular Matter (DPM)	0.85218

EXCESS CANCER RISK CALCULATION

Lifetime Exposure Adjustment (LEA)

Receptor:	Sensitive Receptors
hours per day	10
days per week	5
weeks per year	48
years	2.17
LEA	0.008503401

Unit Risk Factor (URF) for DPM	0.0003
--------------------------------	--------

FINDINGS

Receptor:	Sensitive Receptors
Excess Cancer Risk	
Excess Cancer Risk (Per 1 Million Persons)	2.1739
SCAQMD Threshold	>= 10 in 1 million
Exceed Threshold?	No

Formulas:

Cancer Risk = DPM Conc x DPM URF x LEA

DPM = Diesel Particulate Matter

URF = Unit Risk Factor

LEA = Lifetime Exposure Adjustment

Source: SCAQMD Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idle Emissions for CEQA Air Quality Analysis, August 2003; California Air Resources Board, Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values, April 25, 2005

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

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**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 6.2.1
** Lakes Environmental Software Inc.
** Date: 4/20/2010
** File: J:\Projects\LADWP Echo Park Lake Rehabilitation Project 2009-034\Air Quality\Haul Truck HRA\HRA\HRA.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
TITLEONE Echo Park Lake Rehabilitation
TITLETWO HRA - PM Diesel (Unmitigated)
MODELOPT DFAULT CONC
AVERTIME ANNUAL
URBANOPT 9862049 LA
POLLUTID DPM
RUNORNOT RUN
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
LOCATION SITE AREAPOLY 383597.686 3771297.106 0.0
** DESCRSRC Equipment Emissions
LOCATION HAULIDLE AREAPOLY 383597.686 3771297.106 0.0
** DESCRSRC Haul Truck Idle
** Line Source represented by Separated Volume Sources
**
-----
** LINE Source ID = HAUL
** DESCRSRC haul route
** Length of Side = 10.00
** Emission Rate = 0.004766
** Elevated
** Vertical Dimension = 1.16
** SZINIT = 0.27
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** 383525.47, 3770633.02, 0.00, 1.52, 4.78
** 383507.35, 3770627.89, 0.00, 1.52, 8.75
** 383497.78, 3770619.69, 0.00, 1.52, 5.87
** 383483.08, 3770593.71, 0.00, 1.52, 6.94
** 383620.83, 3770547.91, 0.00, 1.52, 8.44
** 383595.53, 3770715.05, 0.00, 1.52, 8.73
** 383769.85, 3770623.45, 0.00, 1.52, 9.16
** 383754.85, 3770934.30, 0.00, 1.52, 9.04
** 383790.29, 3771008.25, 0.00, 1.52, 7.63
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LOCATION L0000004 VOLUME 383512.164 3770629.330 0.0
LOCATION L0000005 VOLUME 383501.567 3770623.016 0.0
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Echo Park Lake Rehabilitation Project

Health Risk Assessment ~ PM Diesel Analysis

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AREAVERT SITE 383584.303 3771005.038 383585.877 3771127.848
AREAVERT SITE 383596.111 3771231.764
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AREAVERT HAULIDLE 383597.686 3771297.106 383622.090 3771336.468
AREAVERT HAULIDLE 383679.559 3771271.914 383782.688 3771226.254
AREAVERT HAULIDLE 383862.987 3771175.083 383752.773 3770936.548
AREAVERT HAULIDLE 383764.581 3770635.822 383599.260 3770717.695
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URBANSRC L0000038
URBANSRC L0000039
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Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

```
URBANSRC L0000040
URBANSRC L0000041
URBANSRC L0000042
URBANSRC L0000043
URBANSRC L0000044
URBANSRC L0000045
URBANSRC L0000046
URBANSRC L0000047
URBANSRC L0000048
URBANSRC L0000049
URBANSRC L0000050
URBANSRC L0000051
URBANSRC L0000052
URBANSRC L0000053
URBANSRC L0000054
URBANSRC L0000055

** Variable Emissions Type: "By Hour-of-Day"
** Variable Emission Scenario: "Equipment"
EMISFACT SITE HROFDY 0 0 0 0 0 0
EMISFACT SITE HROFDY 1 1 1 1 1 1
EMISFACT SITE HROFDY 1 1 1 1 0 0
EMISFACT SITE HROFDY 0 0 0 0 0 0

** Variable Emissions Type: "By Hour-of-Day"
** Variable Emission Scenario: "Haul Schedule"
EMISFACT HAULIDLE HROFDY 0 0 0 0 0 0
EMISFACT HAULIDLE HROFDY 0 0 1 1 1 1
EMISFACT HAULIDLE HROFDY 1 1 0 0 0 0
EMISFACT HAULIDLE HROFDY 0 0 0 0 0 0
EMISFACT L0000001 HROFDY 0 0 0 0 0 0
EMISFACT L0000001 HROFDY 0 0 1 1 1 1
EMISFACT L0000001 HROFDY 1 1 0 0 0 0
EMISFACT L0000001 HROFDY 0 0 0 0 0 0
EMISFACT L0000002 HROFDY 0 0 0 0 0 0
EMISFACT L0000002 HROFDY 0 0 1 1 1 1
EMISFACT L0000002 HROFDY 1 1 0 0 0 0
EMISFACT L0000002 HROFDY 0 0 0 0 0 0
EMISFACT L0000003 HROFDY 0 0 0 0 0 0
EMISFACT L0000003 HROFDY 0 0 1 1 1 1
EMISFACT L0000003 HROFDY 1 1 0 0 0 0
EMISFACT L0000003 HROFDY 0 0 0 0 0 0
EMISFACT L0000004 HROFDY 0 0 0 0 0 0
EMISFACT L0000004 HROFDY 0 0 1 1 1 1
EMISFACT L0000004 HROFDY 1 1 0 0 0 0
EMISFACT L0000004 HROFDY 0 0 0 0 0 0
EMISFACT L0000005 HROFDY 0 0 0 0 0 0
EMISFACT L0000005 HROFDY 0 0 1 1 1 1
EMISFACT L0000005 HROFDY 1 1 0 0 0 0
EMISFACT L0000005 HROFDY 0 0 0 0 0 0
EMISFACT L0000006 HROFDY 0 0 0 0 0 0
EMISFACT L0000006 HROFDY 0 0 1 1 1 1
EMISFACT L0000006 HROFDY 1 1 0 0 0 0
EMISFACT L0000006 HROFDY 0 0 0 0 0 0
EMISFACT L0000007 HROFDY 0 0 0 0 0 0
EMISFACT L0000007 HROFDY 0 0 1 1 1 1
EMISFACT L0000007 HROFDY 1 1 0 0 0 0
EMISFACT L0000007 HROFDY 0 0 0 0 0 0
EMISFACT L0000008 HROFDY 0 0 0 0 0 0
EMISFACT L0000008 HROFDY 0 0 1 1 1 1
EMISFACT L0000008 HROFDY 1 1 0 0 0 0
EMISFACT L0000008 HROFDY 0 0 0 0 0 0
EMISFACT L0000009 HROFDY 0 0 0 0 0 0
EMISFACT L0000009 HROFDY 0 0 1 1 1 1
EMISFACT L0000009 HROFDY 1 1 0 0 0 0
EMISFACT L0000009 HROFDY 0 0 0 0 0 0
EMISFACT L0000010 HROFDY 0 0 0 0 0 0
EMISFACT L0000010 HROFDY 0 0 1 1 1 1
EMISFACT L0000010 HROFDY 1 1 0 0 0 0
EMISFACT L0000010 HROFDY 0 0 0 0 0 0
EMISFACT L0000011 HROFDY 0 0 0 0 0 0
EMISFACT L0000011 HROFDY 0 0 1 1 1 1
EMISFACT L0000011 HROFDY 1 1 0 0 0 0
EMISFACT L0000011 HROFDY 0 0 0 0 0 0
EMISFACT L0000012 HROFDY 0 0 0 0 0 0
EMISFACT L0000012 HROFDY 0 0 1 1 1 1
EMISFACT L0000012 HROFDY 1 1 0 0 0 0
EMISFACT L0000012 HROFDY 0 0 0 0 0 0
EMISFACT L0000013 HROFDY 0 0 0 0 0 0
EMISFACT L0000013 HROFDY 0 0 1 1 1 1
EMISFACT L0000013 HROFDY 1 1 0 0 0 0
EMISFACT L0000013 HROFDY 0 0 0 0 0 0
EMISFACT L0000014 HROFDY 0 0 0 0 0 0
EMISFACT L0000014 HROFDY 0 0 1 1 1 1
EMISFACT L0000014 HROFDY 1 1 0 0 0 0
EMISFACT L0000014 HROFDY 0 0 0 0 0 0
EMISFACT L0000015 HROFDY 0 0 0 0 0 0
EMISFACT L0000015 HROFDY 0 0 1 1 1 1
EMISFACT L0000015 HROFDY 1 1 0 0 0 0
EMISFACT L0000015 HROFDY 0 0 0 0 0 0
EMISFACT L0000016 HROFDY 0 0 0 0 0 0
EMISFACT L0000016 HROFDY 0 0 1 1 1 1
EMISFACT L0000016 HROFDY 1 1 0 0 0 0
EMISFACT L0000016 HROFDY 0 0 0 0 0 0
EMISFACT L0000017 HROFDY 0 0 0 0 0 0
EMISFACT L0000017 HROFDY 0 0 1 1 1 1
EMISFACT L0000017 HROFDY 1 1 0 0 0 0
EMISFACT L0000017 HROFDY 0 0 0 0 0 0
EMISFACT L0000018 HROFDY 0 0 0 0 0 0
EMISFACT L0000018 HROFDY 0 0 1 1 1 1
EMISFACT L0000018 HROFDY 1 1 0 0 0 0
EMISFACT L0000018 HROFDY 0 0 0 0 0 0
EMISFACT L0000019 HROFDY 0 0 0 0 0 0
EMISFACT L0000019 HROFDY 0 0 1 1 1 1
EMISFACT L0000019 HROFDY 1 1 0 0 0 0
EMISFACT L0000019 HROFDY 0 0 0 0 0 0
EMISFACT L0000020 HROFDY 0 0 0 0 0 0
EMISFACT L0000020 HROFDY 0 0 1 1 1 1
EMISFACT L0000020 HROFDY 1 1 0 0 0 0
EMISFACT L0000020 HROFDY 0 0 0 0 0 0
EMISFACT L0000021 HROFDY 0 0 0 0 0 0
EMISFACT L0000021 HROFDY 0 0 1 1 1 1
EMISFACT L0000021 HROFDY 1 1 0 0 0 0
EMISFACT L0000021 HROFDY 0 0 0 0 0 0
```

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

EMISFACT	L0000022	HR0F0Y	0	0	0	0	0	0	0
EMISFACT	L0000022	HR0F0Y	0	0	1	1	1	1	1
EMISFACT	L0000022	HR0F0Y	1	1	0	0	0	0	0
EMISFACT	L0000022	HR0F0Y	0	0	0	0	0	0	0
EMISFACT	L0000023	HR0F0Y	0	0	0	0	0	0	0
EMISFACT	L0000023	HR0F0Y	0	1	1	1	1	1	1
EMISFACT	L0000023	HR0F0Y	1	1	0	0	0	0	0
EMISFACT	L0000023	HR0F0Y	0	0	0	0	0	0	0
EMISFACT	L0000024	HR0F0Y	0	0	0	0	0	0	0
EMISFACT	L0000024	HR0F0Y	0	0	1	1	1	1	1
EMISFACT	L0000024	HR0F0Y	1	1	0	0	0	0	0
EMISFACT	L0000024	HR0F0Y	0	0	0	0	0	0	0
EMISFACT	L0000024	HR0F0Y	0	0	0	0	0	0	0
EMISFACT	L0000025	HR0F0Y	0	0	0	0	0	0	0
EMISFACT	L0000025	HR0F0Y	0	1	1	0	0	0	0
EMISFACT	L0000025	HR0F0Y	0	0	0	0	0	0	0
EMISFACT	L0000026	HR0F0Y	0	0	0	0	0	0	0
EMISFACT	L0000026	HR0F0Y	0	0	1	1	1	1	1
EMISFACT	L0000026	HR0F0Y	1	1	0	0	0	0	0
EMISFACT	L0000026	HR0F0Y	0	0	0	0	0	0	0
EMISFACT	L0000027	HR0F0Y	0	0	0	0	0	0	0
EMISFACT	L0000027	HR0F0Y	0	1	1	1	1	1	1
EMISFACT	L0000027	HR0F0Y	1	1	0	0	0	0	0
EMISFACT	L0000027	HR0F0Y	0	0	0	0	0	0	0
EMISFACT	L0000028	HR0F0Y	0	0	0	0	0	0	0
EMISFACT	L0000028	HR0F0Y	0	1	1	0	0	0	0
EMISFACT	L0000028	HR0F0Y	0	0	0	0	0	0	0
EMISFACT	L0000029	HR0F0Y	0	0	0	0	0	0	0
EMISFACT	L0000029	HR0F0Y	0	0	1	1	1	1	1
EMISFACT	L0000029	HR0F0Y	1	1	0	0	0	0	0
EMISFACT	L0000029	HR0F0Y	0	0	0	0	0	0	0
EMISFACT	L0000030	HR0F0Y	0	0	0	0	0	0	0
EMISFACT	L0000030	HR0F0Y	0	1	1	1	1	1	1
EMISFACT	L0000030	HR0F0Y	1	1	0	0	0	0	0
EMISFACT	L0000030	HR0F0Y	0	0	0	0	0	0	0
EMISFACT	L0000031	HR0F0Y	0	0	0	0	0	0	0
EMISFACT	L0000031	HR0F0Y	0	0	1	1	1	1	1
EMISFACT	L0000031	HR0F0Y	1	1	0	0	0	0	0
EMISFACT	L0000031	HR0F0Y	0	0	0	0	0	0	0
EMISFACT	L0000032	HR0F0Y	0	0	0	0	0	0	0
EMISFACT	L0000032	HR0F0Y	0	1	1	1	1	1	1
EMISFACT	L0000032	HR0F0Y	1	1	0	0	0	0	0
EMISFACT	L0000032	HR0F0Y	0	0	0	0	0	0	0
EMISFACT	L0000033	HR0F0Y	0	0	0	0	0	0	0
EMISFACT	L0000033	HR0F0Y	0	0	1	1	1	1	1
EMISFACT	L0000033	HR0F0Y	1	1	0	0	0	0	0
EMISFACT	L0000033	HR0F0Y	0	0	0	0	0	0	0
EMISFACT	L0000033	HR0F0Y	0	0	0	0	0	0	0
EMISFACT	L0000034	HR0F0Y	0	0	0	0	0	0	0
EMISFACT	L0000034	HR0F0Y	0	1	1	1	1	1	1
EMISFACT	L0000034	HR0F0Y	1	1	0	0	0	0	0
EMISFACT	L0000034	HR0F0Y	0	0	0	0	0	0	0
EMISFACT	L0000035	HR0F0Y	0	0	0	0	0	0	0
EMISFACT	L0000035	HR0F0Y	0	1	1	0	0	0</	

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

```
EMISFACT L0000050 HROFDY 1 1 0 0 0 0
EMISFACT L0000050 HROFDY 0 0 0 0 0 0
EMISFACT L0000051 HROFDY 0 0 0 0 0 0
EMISFACT L0000051 HROFDY 0 0 1 1 1 1
EMISFACT L0000051 HROFDY 1 1 0 0 0 0
EMISFACT L0000051 HROFDY 0 0 0 0 0 0
EMISFACT L0000052 HROFDY 0 0 0 0 0 0
EMISFACT L0000052 HROFDY 0 0 1 1 1 1
EMISFACT L0000052 HROFDY 1 1 0 0 0 0
EMISFACT L0000052 HROFDY 0 0 0 0 0 0
EMISFACT L0000053 HROFDY 0 0 0 0 0 0
EMISFACT L0000053 HROFDY 0 0 1 1 1 1
EMISFACT L0000053 HROFDY 1 1 0 0 0 0
EMISFACT L0000053 HROFDY 0 0 0 0 0 0
EMISFACT L0000054 HROFDY 0 0 0 0 0 0
EMISFACT L0000054 HROFDY 0 0 1 1 1 1
EMISFACT L0000054 HROFDY 1 1 0 0 0 0
EMISFACT L0000054 HROFDY 0 0 0 0 0 0
EMISFACT L0000055 HROFDY 0 0 0 0 0 0
EMISFACT L0000055 HROFDY 0 0 1 1 1 1
EMISFACT L0000055 HROFDY 1 1 0 0 0 0
EMISFACT L0000055 HROFDY 0 0 0 0 0 0
SRCGROUP ONSITE SITE
SRCGROUP HAULIDLE HAULIDLE
SRCGROUP HAULROUT L0000001 L0000002 L0000003 L0000004 L0000005 L0000006
SRCGROUP HAULROUT L0000007 L0000008 L0000009 L0000010 L0000011 L0000012
SRCGROUP HAULROUT L0000013 L0000014 L0000015 L0000016 L0000017 L0000018
SRCGROUP HAULROUT L0000019 L0000020 L0000021 L0000022 L0000023 L0000024
SRCGROUP HAULROUT L0000025 L0000026 L0000027 L0000028 L0000029 L0000030
SRCGROUP HAULROUT L0000031 L0000032 L0000033 L0000034 L0000035 L0000036
SRCGROUP HAULROUT L0000037 L0000038 L0000039 L0000040 L0000041 L0000042
SRCGROUP HAULROUT L0000043 L0000044 L0000045 L0000046 L0000047 L0000048
SRCGROUP HAULROUT L0000049 L0000050 L0000051 L0000052 L0000053 L0000054
SRCGROUP HAULROUT L0000055
SRCGROUP ALL
SO FINISHED
**
*****
** AERMOD Receptor Pathway
*****
**
**
RE STARTING
** DESCRREC "temple" "Angelus Temple"
DISCCART 383660.97 3771329.43 0.00 0.00
** DESCRREC "CHURCH" "Episcopal Church"
DISCCART 383792.56 3770989.19 0.00 0.00
** DESCRREC "REC_CTR" "Receptors generated from Uniform Cartesian Grid"
DISCCART 383667.36 3770537.24 0.00 0.00
** DESCRREC "GRID" "Grid Receptors"
DISCCART 382752.04 3769951.94 0.00 0.00
DISCCART 382802.04 3769951.94 0.00 0.00
DISCCART 382852.04 3769951.94 0.00 0.00
DISCCART 382902.04 3769951.94 0.00 0.00
DISCCART 382952.04 3769951.94 0.00 0.00
DISCCART 383002.04 3769951.94 0.00 0.00
DISCCART 383052.04 3769951.94 0.00 0.00
DISCCART 383102.04 3769951.94 0.00 0.00
DISCCART 383152.04 3769951.94 0.00 0.00
DISCCART 383202.04 3769951.94 0.00 0.00
DISCCART 383252.04 3769951.94 0.00 0.00
DISCCART 383302.04 3769951.94 0.00 0.00
DISCCART 383352.04 3769951.94 0.00 0.00
DISCCART 383402.04 3769951.94 0.00 0.00
DISCCART 383452.04 3769951.94 0.00 0.00
DISCCART 383502.04 3769951.94 0.00 0.00
DISCCART 383552.04 3769951.94 0.00 0.00
DISCCART 383602.04 3769951.94 0.00 0.00
DISCCART 383652.04 3769951.94 0.00 0.00
DISCCART 383702.04 3769951.94 0.00 0.00
DISCCART 383752.04 3769951.94 0.00 0.00
DISCCART 383802.04 3769951.94 0.00 0.00
DISCCART 383852.04 3769951.94 0.00 0.00
DISCCART 383902.04 3769951.94 0.00 0.00
DISCCART 383952.04 3769951.94 0.00 0.00
DISCCART 384002.04 3769951.94 0.00 0.00
DISCCART 384052.04 3769951.94 0.00 0.00
DISCCART 384102.04 3769951.94 0.00 0.00
DISCCART 384152.04 3769951.94 0.00 0.00
DISCCART 384202.04 3769951.94 0.00 0.00
DISCCART 384252.04 3769951.94 0.00 0.00
DISCCART 384302.04 3769951.94 0.00 0.00
DISCCART 384352.04 3769951.94 0.00 0.00
DISCCART 384402.04 3769951.94 0.00 0.00
DISCCART 384452.04 3769951.94 0.00 0.00
DISCCART 384502.04 3769951.94 0.00 0.00
DISCCART 384552.04 3769951.94 0.00 0.00
DISCCART 384602.04 3769951.94 0.00 0.00
DISCCART 384652.04 3769951.94 0.00 0.00
DISCCART 384702.04 3769951.94 0.00 0.00
DISCCART 382752.04 3770001.94 0.00 0.00
DISCCART 382802.04 3770001.94 0.00 0.00
DISCCART 382852.04 3770001.94 0.00 0.00
DISCCART 382902.04 3770001.94 0.00 0.00
DISCCART 382952.04 3770001.94 0.00 0.00
DISCCART 383002.04 3770001.94 0.00 0.00
DISCCART 383052.04 3770001.94 0.00 0.00
DISCCART 383102.04 3770001.94 0.00 0.00
DISCCART 383152.04 3770001.94 0.00 0.00
DISCCART 383202.04 3770001.94 0.00 0.00
DISCCART 383252.04 3770001.94 0.00 0.00
DISCCART 383302.04 3770001.94 0.00 0.00
DISCCART 383352.04 3770001.94 0.00 0.00
DISCCART 383402.04 3770001.94 0.00 0.00
DISCCART 383452.04 3770001.94 0.00 0.00
DISCCART 383502.04 3770001.94 0.00 0.00
DISCCART 383552.04 3770001.94 0.00 0.00
DISCCART 383602.04 3770001.94 0.00 0.00
DISCCART 383652.04 3770001.94 0.00 0.00
DISCCART 383702.04 3770001.94 0.00 0.00
DISCCART 383752.04 3770001.94 0.00 0.00
DISCCART 383802.04 3770001.94 0.00 0.00
DISCCART 383852.04 3770001.94 0.00 0.00
DISCCART 383902.04 3770001.94 0.00 0.00
```

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

[illegible]

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

[illegible]

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

[illegible]

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

[illegible]

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

[illegible]

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

[illegible]

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

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Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

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Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

[illegible]

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

[illegible]

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

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Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

[illegible]

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

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Echo Park Lake Rehabilitation Project

Health Risk Assessment ~ PM Diesel Analysis

```
**
*****
** AERMOD Meteorology Pathway
*****
**
**
ME STARTING
SURFFILE cela.SFC
PROFFILE cela.PPL
SURFDATA 0 2006
UAIRDATA 3190 2006
PROFRASE 87 METERS
ME FINISHED
**
*****
** AERMOD Output Pathway
*****
**
**
OU STARTING
** Auto-Generated Plotfiles
PLOTFILE ANNUAL ALL HRA.AD\AN00GALL.PLT
PLOTFILE ANNUAL OnSite HRA.AD\AN00G001.PLT
PLOTFILE ANNUAL HaulIdle HRA.AD\AN00G002.PLT
PLOTFILE ANNUAL HaulRout HRA.AD\AN00G003.PLT
OU FINISHED

*****
*** SETUP Finishes Successfully ***
*****

*** AERMOD - VERSION 07026 ***    *** Echo Park Lake Rehabilitation    ***    04/20/10
*** HRA - PM Diesel (Unmitigated)    ***    11:23:25
**MODELOPTs:                        **
CONC                                DFAULT ELEV                                **
                                     ***    MODEL SETUP OPTIONS SUMMARY    ***
-----

**Model Is Setup For Calculation of Average CONCentration Values.

-- DEPOSITION LOGIC --
**Model Uses NO DRY DEPLETION.  DDPLETE = F
**Model Uses NO WET DEPLETION.  WDPLETE = F
**NO GAS DRY DEPOSITION Data Provided.

**Model Uses URBAN Dispersion Algorithm for the SBL for    57 Source(s),
for Total of    1 Urban Area(s):
Urban Population =    9862049.0 ; Urban Roughness Length =    1.000 m

**Model Uses Regulatory DEFAULT Options:
1. Stack-tip Downwash.
2. Model Accounts for ELEVated Terrain Effects.
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay for URBAN/Non-SO2

**Model Assumes No FLAGPOLE Receptor Heights.

**Model Calculates ANNUAL Averages Only

**This Run Includes:    57 Source(s);    4 Source Group(s); and    1548 Receptor(s)

**The Model Assumes A Pollutant Type of: DPM

**Model Set To Continue RUNNING After the Setup Testing.

**Output Options Selected:
Model Outputs Tables of ANNUAL Averages by Receptor
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =    87.00 ; Decay Coef. =    0.000    ; Rot. Angle =    0.0
Emission Units = GRAMS/SEC    ; Emission Rate Unit Factor =    0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =    1.4 MB of RAM.

*** AERMOD - VERSION 07026 ***    *** Echo Park Lake Rehabilitation    ***    04/20/10
*** HRA - PM Diesel (Unmitigated)    ***    11:23:25
**MODELOPTs:                        **
CONC                                DFAULT ELEV                                **

                                     *** VOLUME SOURCE DATA ***

SOURCE  NUMBER  EMISSION RATE  X  Y  BASE  RELEASE  INIT.  INIT.  URBAN  EMISSION RATE
ID      PART.   (GRAMS/SEC)  (METERS) (METERS) (METERS) (METERS) (METERS) (METERS) SOURCE  SCALAR VARY
CATS.                                     BY
-----
L0000001  0  0.86655E-04  383546.8  3770632.2  0.0  1.52  2.88  0.27  YES  HROFDY
L0000002  0  0.86655E-04  383540.7  3770633.2  0.0  1.52  2.88  0.27  YES  HROFDY
L0000003  0  0.86655E-04  383530.5  3770633.2  0.0  1.52  4.78  0.27  YES  HROFDY
L0000004  0  0.86655E-04  383512.2  3770629.2  0.0  1.52  8.75  0.27  YES  HROFDY
L0000005  0  0.86655E-04  383501.6  3770623.0  0.0  1.52  5.87  0.27  YES  HROFDY
L0000006  0  0.86655E-04  383492.9  3770611.0  0.0  1.52  6.94  0.27  YES  HROFDY
L0000007  0  0.86655E-04  383485.6  3770598.0  0.0  1.52  6.94  0.27  YES  HROFDY
L0000008  0  0.86655E-04  383495.6  3770589.5  0.0  1.52  8.44  0.27  YES  HROFDY
L0000009  0  0.86655E-04  383512.8  3770584.0  0.0  1.52  8.44  0.27  YES  HROFDY
L0000010  0  0.86655E-04  383530.0  3770578.2  0.0  1.52  8.44  0.27  YES  HROFDY
L0000011  0  0.86655E-04  383547.2  3770572.5  0.0  1.52  8.44  0.27  YES  HROFDY
L0000012  0  0.86655E-04  383564.4  3770566.8  0.0  1.52  8.44  0.27  YES  HROFDY
L0000013  0  0.86655E-04  383581.6  3770561.0  0.0  1.52  8.44  0.27  YES  HROFDY
L0000014  0  0.86655E-04  383598.8  3770555.2  0.0  1.52  8.44  0.27  YES  HROFDY
L0000015  0  0.86655E-04  383616.1  3770549.5  0.0  1.52  8.44  0.27  YES  HROFDY
L0000016  0  0.86655E-04  383618.8  3770561.5  0.0  1.52  8.73  0.27  YES  HROFDY
L0000017  0  0.86655E-04  383615.9  3770580.2  0.0  1.52  8.73  0.27  YES  HROFDY
L0000018  0  0.86655E-04  383613.1  3770598.8  0.0  1.52  8.73  0.27  YES  HROFDY
L0000019  0  0.86655E-04  383610.3  3770617.2  0.0  1.52  8.73  0.27  YES  HROFDY
```

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

L0000020	0	0.86655E-04	383607.5	3770635.8	0.0	1.52	8.73	0.27	YES	HROFDY		
L0000021	0	0.86655E-04	383604.7	3770654.5	0.0	1.52	8.73	0.27	YES	HROFDY		
L0000022	0	0.86655E-04	383601.9	3770673.0	0.0	1.52	8.73	0.27	YES	HROFDY		
L0000023	0	0.86655E-04	383599.1	3770691.5	0.0	1.52	8.73	0.27	YES	HROFDY		
L0000024	0	0.86655E-04	383596.3	3770710.0	0.0	1.52	8.73	0.27	YES	HROFDY		
L0000025	0	0.86655E-04	383608.5	3770708.2	0.0	1.52	9.16	0.27	YES	HROFDY		
L0000026	0	0.86655E-04	383626.0	3770699.0	0.0	1.52	9.16	0.27	YES	HROFDY		
L0000027	0	0.86655E-04	383643.4	3770689.8	0.0	1.52	9.16	0.27	YES	HROFDY		
L0000028	0	0.86655E-04	383660.8	3770680.8	0.0	1.52	9.16	0.27	YES	HROFDY		
L0000029	0	0.86655E-04	383678.2	3770671.5	0.0	1.52	9.16	0.27	YES	HROFDY		
L0000030	0	0.86655E-04	383695.7	3770662.5	0.0	1.52	9.16	0.27	YES	HROFDY		
L0000031	0	0.86655E-04	383713.1	3770653.2	0.0	1.52	9.16	0.27	YES	HROFDY		
L0000032	0	0.86655E-04	383730.6	3770644.0	0.0	1.52	9.16	0.27	YES	HROFDY		
L0000033	0	0.86655E-04	383748.0	3770635.0	0.0	1.52	9.16	0.27	YES	HROFDY		
L0000034	0	0.86655E-04	383765.4	3770625.8	0.0	1.52	9.16	0.27	YES	HROFDY		
L0000035	0	0.86655E-04	383769.2	3770638.0	0.0	1.52	9.04	0.27	YES	HROFDY		
L0000036	0	0.86655E-04	383768.2	3770657.2	0.0	1.52	9.04	0.27	YES	HROFDY		
L0000037	0	0.86655E-04	383767.3	3770676.8	0.0	1.52	9.04	0.27	YES	HROFDY		
L0000038	0	0.86655E-04	383766.3	3770696.2	0.0	1.52	9.04	0.27	YES	HROFDY		
L0000039	0	0.86655E-04	383765.4	3770715.5	0.0	1.52	9.04	0.27	YES	HROFDY		
L0000040	0	0.86655E-04	383764.5	3770735.0	0.0	1.52	9.04	0.27	YES	HROFDY		
*** AERMOD - VERSION 07026 ***											***	04/20/10
*** Echo Park Lake Rehabilitation											***	11:23:25
*** HRA - PM Diesel (Unmitigated)											***	PAGE 3
**MODELOPTs:												
CONC												
DFAULT ELEV												

*** VOLUME SOURCE DATA ***

SOURCE ID	PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR	VARY BY	
L0000041	0	0.86655E-04	383763.5	3770754.5	0.0	1.52	9.04	0.27	YES	HROFDY		
L0000042	0	0.86655E-04	383762.6	3770774.0	0.0	1.52	9.04	0.27	YES	HROFDY		
L0000043	0	0.86655E-04	383761.7	3770793.2	0.0	1.52	9.04	0.27	YES	HROFDY		
L0000044	0	0.86655E-04	383760.7	3770812.8	0.0	1.52	9.04	0.27	YES	HROFDY		
L0000045	0	0.86655E-04	383759.8	3770832.2	0.0	1.52	9.04	0.27	YES	HROFDY		
L0000046	0	0.86655E-04	383758.8	3770851.5	0.0	1.52	9.04	0.27	YES	HROFDY		
L0000047	0	0.86655E-04	383757.9	3770871.0	0.0	1.52	9.04	0.27	YES	HROFDY		
L0000048	0	0.86655E-04	383757.0	3770890.5	0.0	1.52	9.04	0.27	YES	HROFDY		
L0000049	0	0.86655E-04	383756.0	3770909.8	0.0	1.52	9.04	0.27	YES	HROFDY		
L0000050	0	0.86655E-04	383755.1	3770929.2	0.0	1.52	9.04	0.27	YES	HROFDY		
L0000051	0	0.86655E-04	383759.8	3770944.5	0.0	1.52	7.63	0.27	YES	HROFDY		
L0000052	0	0.86655E-04	383766.8	3770959.2	0.0	1.52	7.63	0.27	YES	HROFDY		
L0000053	0	0.86655E-04	383773.9	3770974.2	0.0	1.52	7.63	0.27	YES	HROFDY		
L0000054	0	0.86655E-04	383781.0	3770989.0	0.0	1.52	7.63	0.27	YES	HROFDY		
L0000055	0	0.86655E-04	383788.1	3771003.8	0.0	1.52	7.63	0.27	YES	HROFDY		
*** AERMOD - VERSION 07026 ***											***	04/20/10
*** Echo Park Lake Rehabilitation											***	11:23:25
*** HRA - PM Diesel (Unmitigated)											***	PAGE 4
**MODELOPTs:												
CONC												
DFAULT ELEV												

*** AREAPOLY SOURCE DATA ***

SOURCE ID	PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR	VARY BY	
SITE	0	0.66350E-06	383597.7	3771297.0	0.0	5.00	11	1.16	YES	HROFDY		
HAULIDLE	0	0.60760E-09	383597.7	3771297.0	0.0	5.00	11	1.16	YES	HROFDY		
*** AERMOD - VERSION 07026 ***											***	04/20/10
*** Echo Park Lake Rehabilitation											***	11:23:25
*** HRA - PM Diesel (Unmitigated)											***	PAGE 5
**MODELOPTs:												
CONC												
DFAULT ELEV												

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs												
ONSITE	SITE												
HAULIDLE	HAULIDLE,												
HAULROUT	L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, L0000029, L0000030, L0000031, L0000032, L0000033, L0000034, L0000035, L0000036, L0000037, L0000038, L0000039, L0000040, L0000041, L0000042, L0000043, L0000044, L0000045, L0000046, L0000047, L0000048, L0000049, L0000050, L0000051, L0000052, L0000053, L0000054, L0000055,												
ALL	SITE	, HAULIDLE, L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, L0000029, L0000030, L0000031, L0000032, L0000033, L0000034, L0000035, L0000036, L0000037, L0000038, L0000039, L0000040, L0000041, L0000042, L0000043, L0000044, L0000045, L0000046, L0000047, L0000048, L0000049, L0000050, L0000051, L0000052, L0000053, L0000054, L0000055,											
*** AERMOD - VERSION 07026 ***												***	04/20/10
*** Echo Park Lake Rehabilitation												***	11:23:25
*** HRA - PM Diesel (Unmitigated)												***	PAGE 6
**MODELOPTs:													

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

1	2	3	4	5	6	7	8	9	10	11	12
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

SOURCE ID = SITE ; SOURCE TYPE = AREAPOLY :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = HAULIDLE ; SOURCE TYPE = AREAPOLY :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0000001 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0000002 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0000003 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
*** AERMOD - VERSION 07026 *** *** Echo Park Lake Rehabilitation *** 04/20/10											
*** HRA - PM Diesel (Unmitigated) *** 11:23:25											
**MODELOPTs: PAGE 7											
CONC											
DEFAULT ELEV											
* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *											

HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR

SOURCE ID = L0000004 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0000005 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0000006 ; SOURCE TYPE = VOLUME :											
1	.0										

SOURCE ID = L0000012 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0000013 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
*** AERMOD - VERSION 07026 *** *** Echo Park Lake Rehabilitation *** 04/20/10											
*** HRA - PM Diesel (Unmitigated) *** 11:23:25											
**MODELOPTs: PAGE 9											
CONC DFAULT ELEV											
* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *											
HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR
SOURCE ID = L0000014 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0000015 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0000016 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0000017 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0000018 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
*** AERMOD - VERSION 07026 *** *** Echo Park Lake Rehabilitation *** 04/20/10											
*** HRA - PM											

hour	SCALAR	hour	SCALAR	hour	SCALAR	hour	SCALAR	hour	SCALAR	hour	SCALAR
SOURCE ID = L0000024 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0000025 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0000026 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0000027 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0000028 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
*** AERMOT - VERSION 07026 ***										*** Echo Park Lake Rehabilitation	
										*** HRA - PM Diesel (Unmitigated)	

**MODELOPTs:										04/20/10	
CONC										11:23:25	
										PAGE 12	
* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *											
hour	SCALAR	hour	SCALAR	hour	SCALAR	hour	SCALAR	hour	SCALAR	hour	SCALAR
SOURCE ID = L0000029 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0000030 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00						

Echo Park Lake Rehabilitation Project

Health Risk Assessment ~ PM Diesel Analysis

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR
SOURCE ID = L0000049 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0000050 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0000051 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0000052 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0000053 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
*** AERMOD - VERSION 07026 ***											
*** Echo Park Lake Rehabilitation											
*** HRA - PM Diesel (Unmitigated)											

**MODELOPTs:											
CONC											
DFAULT ELEV											

04/20/10											
11:23:25											
PAGE 17											

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR
SOURCE ID = L0000054 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0000055 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
*** AERMOD - VERSION 07026 ***											
*** Echo Park Lake Rehabilitation											
*** HRA - PM Diesel (Unmitigated)											

**MODELOPTs:											
CONC											
DFAULT ELEV											

04/20/10											
11:23:25											
PAGE 18											

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(383661.0, 3771329.5, 0.0, 0.0, 0.0);	(383792.6, 3770989.2, 0.0, 0.0, 0.0);
(383667.4, 3770537.2, 0.0, 0.0, 0.0);	(382752.0, 3769952.0, 0.0, 0.0, 0.0);
(382802.0, 3769952.0, 0.0, 0.0, 0.0);	(382852.0, 3769952.0, 0.0, 0.0, 0.0);
(382902.0, 3769952.0, 0.0, 0.0, 0.0);	(382952.0, 3769952.0, 0.0, 0.0, 0.0);
(383002.0, 3769952.0, 0.0, 0.0, 0.0);	(383052.0, 3769952.0, 0.0, 0.0, 0.0);
(383102.0, 3769952.0, 0.0, 0.0, 0.0);	(383152.0, 3769952.0, 0.0, 0.0, 0.0);
(383202.0, 3769952.0, 0.0, 0.0, 0.0);	(383252.0, 3769952.0, 0.0, 0.0, 0.0);
(383302.0, 3769952.0, 0.0, 0.0, 0.0);	(383352.0, 3769952.0, 0.0, 0.0, 0.0);
(383402.0, 3769952.0, 0.0, 0.0, 0.0);	(383452.0, 3769952.0, 0.0, 0.0, 0.0);
(383502.0, 3769952.0, 0.0, 0.0, 0.0);	(383552.0, 3769952.0, 0.0, 0.0, 0.0);
(383602.0, 3769952.0, 0.0, 0.0, 0.0);	(383652.0, 3769952.0, 0.0, 0.0, 0.0);
(383702.0, 3769952.0, 0.0, 0.0, 0.0);	(383752.0, 3769952.0, 0.0, 0.0, 0.0);
(383802.0, 3769952.0, 0.0, 0.0, 0.0);	(383852.0, 3769952.0, 0.0, 0.0, 0.0);
(383902.0, 3769952.0, 0.0, 0.0, 0.0);	(383952.0, 3769952.0, 0.0, 0.0, 0.0);
(384002.0, 3769952.0, 0.0, 0.0, 0.0);	(384052.0, 3769952.0, 0.0, 0.0, 0.0);
(384102.0, 3769952.0, 0.0, 0.0, 0.0);	(384152.0, 3769952.0, 0.0, 0.0, 0.0);
(384202.0, 3769952.0, 0.0, 0.0, 0.0);	(384252.0, 3769952.0, 0.0, 0.0, 0.0);
(384302.0, 3769952.0, 0.0, 0.0, 0.0);	(384352.0, 3769952.0, 0.0, 0.0, 0.0);
(384402.0, 3769952.0, 0.0, 0.0, 0.0);	(384452.0, 3769952.0, 0.0, 0.0, 0.0);
(384502.0, 3769952.0, 0.0, 0.0, 0.0);	(384552.0, 3769952.0, 0.0, 0.0, 0.0);
(384602.0, 3769952.0, 0.0, 0.0, 0.0);	(384652.0, 3769952.0, 0.0, 0.0, 0.0);
(384702.0, 3769952.0, 0.0, 0.0, 0.0);	(382752.0, 3770002.0, 0.0, 0.0, 0.0);
(382802.0, 3770002.0, 0.0, 0.0, 0.0);	(382852.0, 3770002.0, 0.0, 0.0, 0.0);
(382902.0, 3770002.0, 0.0, 0.0, 0.0);	(382952.0, 3770002.0, 0.0, 0.0, 0.0);
(383002.0, 3770002.0, 0.0, 0.0, 0.0);	(383052.0, 3770002.0, 0.0, 0.0, 0.0);
(383102.0, 3770002.0, 0.0, 0.0, 0.0);	(383152.0, 3770002.0, 0.0, 0.0, 0.0);
(383202.0, 3770002.0, 0.0, 0.0, 0.0);	(383252.0, 3770002.0, 0.0, 0.0, 0.0);
(383302.0, 3770002.0, 0.0, 0.0, 0.0);	(383352.0, 3770002.0, 0.0, 0.0, 0.0);
(383402.0, 3770002.0, 0.0, 0.0, 0.0);	(383452.0, 3770002.0, 0.0, 0.0, 0.0);
(383502.0, 3770002.0, 0.0, 0.0, 0.0);	(383552.0, 3770002.0, 0.0, 0.0, 0.0);
(383602.0, 3770002.0, 0.0, 0.0, 0.0);	(383652.0, 3770002.0, 0.0, 0.0, 0.0);
(383702.0, 3770002.0, 0.0, 0.0, 0.0);	(383752.0, 3770002.0, 0.0, 0.0, 0.0);
(383802.0, 3770002.0, 0.0, 0.0, 0.0);	(383852.0, 3770002.0, 0.0, 0.0, 0.0);
(383902.0, 3770002.0, 0.0, 0.0, 0.0);	(383952.0, 3770002.0, 0.0, 0.0, 0.0);
(384002.0, 3770002.0, 0.0, 0.0, 0.0);	(384052.0, 3770002.0, 0.0, 0.0, 0.0);
(384102.0, 3770002.0, 0.0, 0.0, 0.0);	(384152.0, 3770002.0, 0.0, 0.0, 0.0);
(384202.0, 3770002.0, 0.0, 0.0, 0.0);	(384252.0, 3770002.0, 0.0, 0.0, 0.0);
(384302.0, 3770002.0, 0.0, 0.0, 0.0);	(384352.0, 3770002.0, 0.0, 0.0, 0.0);

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

(384402.0, 3770002.0, 0.0,	0.0,	0.0,	0.0);	(384452.0, 3770002.0, 0.0,	0.0,	0.0,	0.0);
(384502.0, 3770002.0, 0.0,	0.0,	0.0,	0.0);	(384552.0, 3770002.0, 0.0,	0.0,	0.0,	0.0);
(384602.0, 3770002.0, 0.0,	0.0,	0.0,	0.0);	(384652.0, 3770002.0, 0.0,	0.0,	0.0,	0.0);
(384702.0, 3770002.0, 0.0,	0.0,	0.0,	0.0);	(382752.0, 3770052.0, 0.0,	0.0,	0.0,	0.0);
(382802.0, 3770052.0, 0.0,	0.0,	0.0,	0.0);	(382852.0, 3770052.0, 0.0,	0.0,	0.0,	0.0);
(382902.0, 3770052.0, 0.0,	0.0,	0.0,	0.0);	(382952.0, 3770052.0, 0.0,	0.0,	0.0,	0.0);
(383002.0, 3770052.0, 0.0,	0.0,	0.0,	0.0);	(383052.0, 3770052.0, 0.0,	0.0,	0.0,	0.0);
*** AERMOD - VERSION 07026 ***	*** Echo Park Lake Rehabilitation	***		***		***	04/20/10
	*** HRA - PM Diesel (Unmitigated)	***		***		***	11/23/10

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**MODELOPTs:
CONC          DFAULT ELEV

```

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

[illegible]

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*** AERMOD - VERSION 07026 ***      *** Echo Park Lake Rehabilitation ***      ***      04/20/10
*** HRA - PM Diesel (Unmitigated) ***      ***      11:23:25
**MODELOPTs:
CONC          DFAULT ELEV          ***      PAGE 20

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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

[illegible]

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

383802.0, 3770252.0, 0.0, 0.0, 0.0, 0.0);	(383852.0, 3770252.0, 0.0, 0.0, 0.0, 0.0);
(383902.0, 3770252.0, 0.0, 0.0, 0.0, 0.0);	(383952.0, 3770252.0, 0.0, 0.0, 0.0, 0.0);
(384002.0, 3770252.0, 0.0, 0.0, 0.0, 0.0);	(384052.0, 3770252.0, 0.0, 0.0, 0.0, 0.0);
*** AERMOD - VERSION 07026 ***	*** Echo Park Lake Rehabilitation ***
*** HRA - PM Diesel (Unmitigated)	***
**MODELOPTs:	04/20/10
CONC	11:23:25
DFAULT ELEV	PAGE 21
*** DISCRETE CARTESIAN RECEPTORS ***	
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)	
(METERS)	
(384102.0, 3770252.0, 0.0, 0.0, 0.0, 0.0);	(384152.0, 3770252.0, 0.0, 0.0, 0.0, 0.0);
(384202.0, 3770252.0, 0.0, 0.0, 0.0, 0.0);	(384252.0, 3770252.0, 0.0, 0.0, 0.0, 0.0);
(384302.0, 3770252.0, 0.0, 0.0, 0.0, 0.0);	(384352.0, 3770252.0, 0.0, 0.0, 0.0, 0.0);
(384402.0, 3770252.0, 0.0, 0.0, 0.0, 0.0);	(384452.0, 3770252.0, 0.0, 0.0, 0.0, 0.0);
(384502.0, 3770252.0, 0.0, 0.0, 0.0, 0.0);	(384552.0, 3770252.0, 0.0, 0.0, 0.0, 0.0);
(384602.0, 3770252.0, 0.0, 0.0, 0.0, 0.0);	(384652.0, 3770252.0, 0.0, 0.0, 0.0, 0.0);
(384702.0, 3770252.0, 0.0, 0.0, 0.0, 0.0);	(382752.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);
(382802.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);	(382852.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);
(382902.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);	(382952.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);
(383002.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);	(383052.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);
(383102.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);	(383152.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);
(383202.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);	(383252.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);
(383302.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);	(383352.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);
(383402.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);	(383452.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);
(383502.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);	(383552.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);
(383602.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);	(383652.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);
(383702.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);	(383752.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);
(383802.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);	(383852.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);
(383902.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);	(383952.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);
(384002.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);	(384052.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);
(384102.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);	(384152.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);
(384202.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);	(384252.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);
(384302.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);	(384352.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);
(384402.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);	(384452.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);
(384502.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);	(384552.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);
(384602.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);	(384652.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);
(382752.0, 3770352.0, 0.0, 0.0, 0.0, 0.0);	(382752.0, 3770352.0, 0.0, 0.0, 0.0, 0.0);
(382802.0, 3770352.0, 0.0, 0.0, 0.0, 0.0);	(382852.0, 3770352.0, 0.0, 0.0, 0.0, 0.0);
(382902.0, 3770352.0, 0.0, 0.0, 0.0, 0.0);	(382952.0, 3770352.0, 0.0, 0.0, 0.0, 0.0);
(383002.0, 3770352.0, 0.0, 0.0, 0.0, 0.0);	(383052.0, 3770352.0, 0.0, 0.0, 0.0, 0.0);
(383102.0, 3770352.0, 0.0, 0.0, 0.0, 0.0);	(383152.0, 3770352.0, 0.0, 0.0, 0.0, 0.0);
(383202.0, 3770352.0, 0.0, 0.0, 0.0, 0.0);	(383252.0, 3770352.0, 0.0, 0.0, 0.0, 0.0);
(383302.0, 3770352.0, 0.0, 0.0, 0.0, 0.0);	(383352.0, 3770352.0, 0.0, 0.0, 0.0, 0.0);
(383402.0, 3770352.0, 0.0, 0.0, 0.0, 0.0);	(383452.0, 3770352.0, 0.0, 0.0, 0.0, 0.0);
(383502.0, 3770352.0, 0.0, 0.0, 0.0, 0.0);	(383552.0, 3770352.0, 0.0, 0.0, 0.0, 0.0);
(383602.0, 3770352.0, 0.0, 0.0, 0.0, 0.0);	(383652.0, 3770352.0, 0.0, 0.0, 0.0, 0.0);
(383702.0, 3770352.0, 0.0, 0.0, 0.0, 0.0);	(383752.0, 3770352.0, 0.0, 0.0, 0.0, 0.0);
(383802.0, 3770352.0, 0.0, 0.0, 0.0, 0.0);	(383852.0

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**MODELOPTS:
CONC

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DEFAULT ELEV

*** HRA - PM Diesel (Unmitigated)

11:23:25
PAGE 23

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

[illegible]

*** AERMOD - VERSION 07026 ***

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0,      0.0,      0.0),
*** Echo Park Lake Rehabilitation
*** HRA - PM Diesel (Unmitigated)

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0.

04/20/10
11:23:25
PAGE 24

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**MODELOPTS:
CONC

```

DEFAULT ELEV

```

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
      (METERS)

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[illegible]

*** AERMOD - VERSION 07026 ***

```

0.0, 0.0, 0.0,
*** Echo Park Lake Rehabilitation
*** HRA - PM Diesel (Unmitigated)

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食食食

04/20/10
11:23:25
PAGE 25

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**MODELOPTs:
CONC

```

DEFAULT ELEV

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

[illegible]

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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 383302.0, 3771102.0, 0.0, 0.0, 0.0); ( 383352.0, 3771102.0, 0.0, 0.0, 0.0);
( 383402.0, 3771102.0, 0.0, 0.0, 0.0); ( 383452.0, 3771102.0, 0.0, 0.0, 0.0);
( 383502.0, 3771102.0, 0.0, 0.0, 0.0); ( 383552.0, 3771102.0, 0.0, 0.0, 0.0);
( 383852.0, 3771102.0, 0.0, 0.0, 0.0); ( 383902.0, 3771102.0, 0.0, 0.0, 0.0);
( 383952.0, 3771102.0, 0.0, 0.0, 0.0); ( 384002.0, 3771102.0, 0.0, 0.0, 0.0);
( 384052.0, 3771102.0, 0.0, 0.0, 0.0); ( 384102.0, 3771102.0, 0.0, 0.0, 0.0);
( 384152.0, 3771102.0, 0.0, 0.0, 0.0); ( 384202.0, 3771102.0, 0.0, 0.0, 0.0);
( 384252.0, 3771102.0, 0.0, 0.0, 0.0); ( 384302.0, 3771102.0, 0.0, 0.0, 0.0);
( 384352.0, 3771102.0, 0.0, 0.0, 0.0); ( 384402.0, 3771102.0, 0.0, 0.0, 0.0);
( 384452.0, 3771102.0, 0.0, 0.0, 0.0); ( 384502.0, 3771102.0, 0.0, 0.0, 0.0);
( 384552.0, 3771102.0, 0.0, 0.0, 0.0); ( 384602.0, 3771102.0, 0.0, 0.0, 0.0);
( 384652.0, 3771102.0, 0.0, 0.0, 0.0); ( 384702.0, 3771102.0, 0.0, 0.0, 0.0);
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( 384202.0, 3771202.0, 0.0, 0.0, 0.0); ( 384252.0, 3771202.0, 0.0, 0.0, 0.0);
( 384302.0, 3771202.0, 0.0, 0.0, 0.0); ( 384352.0, 3771202.0, 0.0, 0.0, 0.0);
( 384402.0, 3771202.0, 0.0, 0.0, 0.0); ( 384452.0, 3771202.0, 0.0, 0.0, 0.0);
( 384502.0, 3771202.0, 0.0, 0.0, 0.0); ( 384552.0, 3771202.0, 0.0, 0.0, 0.0);

*** AERMOD - VERSION 07026 *** *** Echo Park Lake Rehabilitation *** 04/20/10
*** HRA - PM Diesel (Unmitigated) *** 11:23:25
**MODELOPTs: ** 11:23:25
CONC DEFAULT ELEV ** PAGE 29

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 384602.0, 3771202.0, 0.0, 0.0, 0.0); ( 384652.0, 3771202.0, 0.0, 0.0, 0.0);
( 384702.0, 3771202.0, 0.0, 0.0, 0.0); ( 382752.0, 3771252.0, 0.0, 0.0, 0.0);
( 382802.0, 3771252.0, 0.0, 0.0, 0.0); ( 382852.0, 3771252.0, 0.0, 0.0, 0.0);

```

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

[illegible]

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

[illegible]

LESS THAN 1.0 METER OR WITHIN OPEN PIT SOURCE

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**MODELOPTs:
CONC          DFAULT ELEV

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METEOROLOGICAL DATA PROCESSED BETWEEN START DATE: 0 0 0 0
AND END DATE: 9999 99 99 24

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

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**MODELOPTs:
CONC          DEFAULT ELEV

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Surface file:      cela.SPC                                     Met Version: 06341
Profile file:      cela.PFL
Surface format:    (3(I2,1X),I3,1X,I2,1X,F6,1,1X,3(F6,3,1X),2(F5,0,1X),F8,1,1X,F6,3,1X,2(F6,2,1X),F7,2,1X,F5,0,3(1X,F6,1))
Profile format:    (4(I2,1X),F6,1,1X,I1,1X,F5,0,1X,F7,2,1X,F7,2,1X,F6,1,1X,F7,2)
Surface station no.:      0                               Upper air station no.:      3190
Name: UNKNOWN
Year: 2006
Name: UNKNOWN
Year: 2006

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First 24 hours of scalar data																					
YR	MO	DAY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	Z0	BOWEN	ALBEDO	REF	WS	WD	HT	REF	TA	HT
06	01	01	1	01	-0.9	0.040	-9.000	-9.000	-999.	18.	6.3	0.64	1.00	1.00	0.70	347.	21.3	286.4	17.7		
06	01	01	1	02	-3.0	0.086	-9.000	-9.000	-999.	58.	19.1	0.64	1.00	1.00	1.50	82.	21.3	286.4	17.7		
06	01	01	1	03	-1.3	0.057	-9.000	-9.000	-999.	31.	12.7	0.64	1.00	1.00	1.00	66.	21.3	286.4	17.7		
06	01	01	1	04	-1.9	0.069	-9.000	-9.000	-999.	41.	15.2	0.64	1.00	1.00	1.20	23.	21.3	285.9	17.7		
06	01	01	1	05	-3.5	0.080	-9.000	-9.000	-999.	52.	13.1	0.64	1.00	1.00	1.40	61.	21.3	285.4	17.7		
06	01	01	1	06	-3.0	0.086	-9.000	-9.000	-999.	58.	19.0	0.64	1.00	1.00	1.50	83.	21.3	285.4	17.7		
06	01	01	1	07	-6.1	0.103	-9.000	-9.000	-999.	76.	16.2	0.64	1.00	1.00	1.80	64.	21.3	285.4	17.7		
06	01	01	1	08	-3.3	0.080	-9.000	-9.000	-999.	52.	14.1	0.64	1.00	0.55	1.40	46.	21.3	285.4	17.7		
06	01	01	1	09	26.6	0.304	0.644	0.005	362.	385.	-95.4	0.64	1.00	0.32	2.30	87.	21.3	286.4	17.7		
06	01	01	1	10	21.0	0.227	0.732	0.005	675.	250.	-50.2	0.64	1.00	0.24	1.60	76.	21.3	286.4	17.7		
06	01	01	1	11	35.8	0.197	0.912	0.005	766.	201.	-19.2	0.64	1.00	0.21	1.20	66.	21.3	287.5	17.7		
06	01	01	1	12	14.9	0.281	0.686	0.005	785.	343.	-135.5	0.64	1.00	0.20	2.20	79.	21.3	287.5	17.7		
06	01	01	1	13	26.4	0.376	0.842	0.009	818.	530.	-181.6	0.64	1.00	0.20	3.00	76.	21.3	287.5	17.7		
06	01	01	1	14	39.0	0.385	0.979	0.014	867.	549.	-168.8	0.64	1.00	0.21	3.00	80.	21.3	288.1	17.7		
06	01	01	1	15	11.4	0.277	0.653	0.014	340.1.	-168.8	0.64	1.00	0.25	2.00	86.	21.3	287.5	17.7			
06	01	01	1	16	3.1	0.343	1.034	0.014	881.	462.	-888.0	0.64	1.00	0.27	3.00	75.	21.3	287.5	17.7		
06	01	01	1	17	-13.7	0.266	-9.000	-9.000	-999.	319.	125.0	0.64	1.00	0.60	2.90	82.	21.3	286.4	17.7		
06	01	01	1	18	-10.2	0.183	-9.000	-9.000	-999.	183.	54.5	0.64	1.00	1.00	2.50	101.	21.3	286.4	17.7		
06	01	01	1	19	-16.1	0.289	-9.000	-9.000	-999.	358.	135.6	0.64	1.00	1.00	3.10	97.	21.3	285.9	17.7		
06	01	01	1	20	-25.2	0.450	-9.000	-9.000	-999.	693.	326.1	0.64	1.00	1.00	4.30	92.	21.3	284.9	17.7		
06	01	01	1	21	-27.3	0.487	-9.000	-9.000	-999.	781.	381.9	0.64	1.00	1.00	4.60	88.	21.3	284.2	17.7		
06	01	01	1	22	-28.0	0.499	-9.000	-9													

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First hour of profile data
YR MO DY HR HEIGHT F WDIR      WSPD AMB_TMP sigmaA  sigmaW  sigmaV
06 01 01 01   17.7 0 -999.    -99.00  286.5  99.0  -99.00  -99.00
06 01 01 01   21.3 1 347.     0.70  -999.0  99.0  -99.00  -99.00

F indicates top of profile (=1) or below (=0)
*** AERMOD - VERSION 07026 ***          *** Echo Park Lake Rehabilitation ***          04/20/10
*** HRA - PM Diesel (Unmitigated) ***          ***                               ***          11:23:25
**MODELOPTs:                               ***                               ***          PAGE   39

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*** THE ANNUAL AVERAGE CONCENTRATION      VALUES AVERAGED OVER   2 YEARS FOR SOURCE GROUP: ONSITE ***
      INCLUDING SOURCE(S):                SITE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

      ** CONC OF DPM      IN MICROGRAMS/M**3      **

X-COORD (M)  Y-COORD (M)      CONC      X-COORD (M)  Y-COORD (M)      CONC

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Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

383660.97	3771329.50	0.48716	383792.56	3770989.25	0.60626				
383667.38	3770537.25	0.10049	382752.03	3769952.00	0.02950				
382802.03	3769952.00	0.03140	382852.03	3769952.00	0.03316				
382902.03	3769952.00	0.03472	382952.03	3769952.00	0.03597				
383002.03	3769952.00	0.03682	383052.03	3769952.00	0.03715				
383102.03	3769952.00	0.03689	383152.03	3769952.00	0.03596				
383202.03	3769952.00	0.04337	383252.03	3769952.00	0.03213				
383302.03	3769952.00	0.02936	383352.03	3769952.00	0.02623				
383402.03	3769952.00	0.02294	383452.03	3769952.00	0.01969				
383502.03	3769952.00	0.01667	383552.03	3769952.00	0.01399				
383602.03	3769952.00	0.01168	383652.03	3769952.00	0.00974				
383702.03	3769952.00	0.00815	383752.03	3769952.00	0.00687				
383802.03	3769952.00	0.00587	383852.03	3769952.00	0.00512				
383902.03	3769952.00	0.00458	383952.03	3769952.00	0.00421				
384002.03	3769952.00	0.00395	384052.03	3769952.00	0.00375				
384102.03	3769952.00	0.00358	384152.03	3769952.00	0.00343				
384202.03	3769952.00	0.00328	384252.03	3769952.00	0.00312				
384302.03	3769952.00	0.00295	384352.03	3769952.00	0.00277				
384402.03	3769952.00	0.00259	384452.03	3769952.00	0.00241				
384502.03	3769952.00	0.00224	384552.03	3769952.00	0.00208				
384602.03	3769952.00	0.00193	384652.03	3769952.00	0.00179				
384702.03	3769952.00	0.00167	382752.03	3770002.00	0.02966				
382802.03	3770002.00	0.03184	382852.03	3770002.00	0.03396				
382902.03	3770002.00	0.03592	382952.03	3770002.00	0.03762				
383002.03	3770002.00	0.03895	383052.03	3770002.00	0.03978				
383102.03	3770002.00	0.03999	383152.03	3770002.00	0.03948				
383202.03	3770002.00	0.03819	383252.03	3770002.00	0.03611				
383302.03	3770002.00	0.03333	383352.03	3770002.00	0.03000				
383402.03	3770002.00	0.02635	383452.03	3770002.00	0.02264				
383502.03	3770002.00	0.01910	383552.03	3770002.00	0.01592				
383602.03	3770002.00	0.01316	383652.03	3770002.00	0.01085				
383702.03	3770002.00	0.00897	383752.03	3770002.00	0.00748				
383802.03	3770002.00	0.00634	383852.03	3770002.00	0.00550				
383902.03	3770002.00	0.00491	383952.03	3770002.00	0.00450				
384002.03	3770002.00	0.00421	384052.03	3770002.00	0.00399				
384102.03	3770002.00	0.00379	384152.03	3770002.00	0.00361				
384202.03	3770002.00	0.00343	384252.03	3770002.00	0.00324				
384302.03	3770002.00	0.00303	384352.03	3770002.00	0.00282				
384402.03	3770002.00	0.00262	384452.03	3770002.00	0.00243				
384502.03	3770002.00	0.00226	384552.03	3770002.00	0.00210				
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	04/20/10				
		*** HRA - PM Diesel (Unmitigated)		***	11:23:25				
**MODELOPTs:				PAGE 40					
CONC		DEFAULT ELEV							
*** THE ANNUAL AVERAGE CONCENTRATION INCLUDING SOURCE(S):									
VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: ONSITE									
SITE ,									
*** DISCRETE CARTESIAN RECEPTOR POINTS ***									
** CONC OF DPM IN MICROGRAMS/M**3 **									
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC				
384602.03	3770002.00	0.00195	384652.03	3770002.00	0.00182				
384702.03	3770002.00	0.00171	382752.03	3770052.00	0.02960				
382802.03	3770052.00	0.03206	382852.03	3770052.00	0.03451				
382902.03	3770052.00	0.03689	382952.03	3770052.00	0.03908				
383002.03	3770052.00	0.04095	383052.03	3770052.00	0.04236				
383102.03	3770052.00	0.04315	383152.03	3770052.00	0.04318				
383202.03	3770052.00	0.04234	383252.03	3770052.00	0.04056				
383302.03	3770052.00	0.03788	383352.03	3770052.00	0.03443				
383402.03	3770052.00	0.03045	383452.03	3770052.00	0.02623				
383502.03	3770052.00	0.02210	383552.03	3770052.00	0.01829				
383602.03	3770052.00	0.01498	383652.03	3770052.00	0.01220				
383702.03	3770052.00	0.00996	383752.03	3770052.00	0.00821				
383802.03	3770052.00	0.00689	383852.03	3770052.00	0.00594				
383902.03	3770052.00	0.00528	383952.03	3770052.00	0.00483				
384002.03	3770052.00	0.00451	384052.03	3770052.00	0.00425				
384102.03	3770052.00	0.00402	384152.03	3770052.00	0.00380				
384202.03	3770052.00	0.00357	384252.03	3770052.00	0.00334				
384302.03	3770052.00	0.00311	384352.03	3770052.00	0.00288				
384402.03	3770052.00	0.00267	384452.03	3770052.00	0.00247				
384502.03	3770052.00	0.00229	384552.03	3770052.00	0.00213				
384602.03	3770052.00	0.00199	384652.03	3770052.00	0.00187				
384702.03	3770052.00	0.00176	382752.03	3770102.00	0.02931				
382802.03	3770102.00	0.03202	382852.03	3770102.00	0.03480				
382902.03	3770102.00	0.03759	382952.03	3770102.00	0.04027				
383002.03	3770102.00	0.04273	383052.03	3770102.00	0.04479				
383102.03	3770102.00	0.04628	383152.03	3770102.00	0.04700				
383202.03	3770102.00	0.04678	383252.03	3770102.00	0.04549				
383302.03	3770102.00	0.04309	383352.03	3770102.00	0.03965				
383402.03	3770102.00	0.03539	383452.03	3770102.00	0.03065				
383502.03	3770102.00	0.02582	383552.03	3770102.00	0.02127				
383602.03	3770102.00	0.01724	383652.03	3770102.00	0.01386				
383702.03	3770102.00	0.01115	383752.03	3770102.00	0.00906				
383802.03	3770102.00	0.00752	383852.03	3770102.00	0.00645				
383902.03	3770102.00	0.00571	383952.03	3770102.00	0.00521				
384002.03	3770102.00	0.00484	384052.03	3770102.00	0.00453				
384102.03	3770102.00	0.00426	384152.03	3770102.00	0.00399				
384202.03	3770102.00	0.00372	384252.03	3770102.00	0.00345				
384302.03	3770102.00	0.00319	384352.03	3770102.00	0.00294				
384402.03	3770102.00	0.00272	384452.03	3770102.00	0.00252				
384502.03	3770102.00	0.00235	384552.03	3770102.00	0.00219				
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	04/20/10				
		*** HRA - PM Diesel (Unmitigated)		***	11:23:25				
**MODELOPTs:				PAGE 41					
CONC		DEFAULT ELEV							
*** THE ANNUAL AVERAGE CONCENTRATION INCLUDING SOURCE(S):									
VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: ONSITE									
SITE ,									
*** DISCRETE CARTESIAN RECEPTOR POINTS ***									
** CONC OF DPM IN MICROGRAMS/M**3 **									
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC				
384602.03	3770102.00	0.00205	384652.03	3770102.00	0.00193				
384702.03	3770102.00	0.00183	382752.03	3770152.00	0.02880				
382802.03	3770152.00	0.03171	382852.03	3770152.00	0.03479				
382902.03	3770152.00	0.03797	382952.03	3770152.00	0.04115				
383002.03	3770152.00	0.04422	383052.03	3770152.00	0.04699				

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

383102.03	3770152.00	0.04927	383152.03	3770152.00	0.05084
383202.03	3770152.00	0.05144	383252.03	3770152.00	0.05087
383302.03	3770152.00	0.04898	383352.03	3770152.00	0.04575
383402.03	3770152.00	0.04135	383452.03	3770152.00	0.03612
383502.03	3770152.00	0.03052	383552.03	3770152.00	0.02505
383602.03	3770152.00	0.02011	383652.03	3770152.00	0.01593
383702.03	3770152.00	0.01260	383752.03	3770152.00	0.01008
383802.03	3770152.00	0.00827	383852.03	3770152.00	0.00704
383902.03	3770152.00	0.00621	383952.03	3770152.00	0.00563
384002.03	3770152.00	0.00520	384052.03	3770152.00	0.00484
384102.03	3770152.00	0.00450	384152.03	3770152.00	0.00418
384202.03	3770152.00	0.00386	384252.03	3770152.00	0.00356
384302.03	3770152.00	0.00328	384352.03	3770152.00	0.00302
384402.03	3770152.00	0.00280	384452.03	3770152.00	0.00260
384502.03	3770152.00	0.00242	384552.03	3770152.00	0.00227
384602.03	3770152.00	0.00213	384652.03	3770152.00	0.00202
384702.03	3770152.00	0.00193	382752.03	3770202.00	0.02806
382802.03	3770202.00	0.03115	382852.03	3770202.00	0.03447
382902.03	3770202.00	0.03800	382952.03	3770202.00	0.04166
383002.03	3770202.00	0.04533	383052.03	3770202.00	0.04885
383102.03	3770202.00	0.05202	383152.03	3770202.00	0.05456
383202.03	3770202.00	0.05620	383252.03	3770202.00	0.05661
383302.03	3770202.00	0.05554	383352.03	3770202.00	0.05282
383402.03	3770202.00	0.04851	383452.03	3770202.00	0.04290
383502.03	3770202.00	0.03649	383552.03	3770202.00	0.02993
383602.03	3770202.00	0.02381	383652.03	3770202.00	0.01858
383702.03	3770202.00	0.01442	383752.03	3770202.00	0.01133
383802.03	3770202.00	0.00917	383852.03	3770202.00	0.00773
383902.03	3770202.00	0.00678	383952.03	3770202.00	0.00612
384002.03	3770202.00	0.00561	384052.03	3770202.00	0.00517
384102.03	3770202.00	0.00476	384152.03	3770202.00	0.00437
384202.03	3770202.00	0.00401	384252.03	3770202.00	0.00368
384302.03	3770202.00	0.00339	384352.03	3770202.00	0.00313
384402.03	3770202.00	0.00291	384452.03	3770202.00	0.00270
384502.03	3770202.00	0.00252	384552.03	3770202.00	0.00237
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	04/20/10
		*** HRA - PM Diesel (Unmitigated)		***	11:23:25
**MODELOPTs:				PAGE 42	
CONC		DFAULT ELEV			

*** THE ANNUAL AVERAGE CONCENTRATION		VALUES AVERAGED OVER		2 YEARS FOR SOURCE GROUP: ONSITE		***
INCLUDING SOURCE(S):		SITE				
*** DISCRETE CARTESIAN RECEPTOR POINTS ***						
** CONC OF DPM		IN MICROGRAMS/M**3				**
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC	
384602.03	3770202.00	0.00224	384652.03	3770202.00	0.00213	
384702.03	3770202.00	0.00204	382752.03	3770252.00	0.02712	
382802.03	3770252.00	0.03032	382852.03	3770252.00	0.03384	
382902.03	3770252.00	0.03767	382952.03	3770252.00	0.04175	
383002.03	3770252.00	0.04600	383052.03	3770252.00	0.05027	
383102.03	3770252.00	0.05437	383152.03	3770252.00	0.05802	
383202.03	3770252.00	0.06089	383252.03	3770252.00	0.06258	
383302.03	3770252.00	0.06270	383352.03	3770252.00	0.06091	
383402.03	3770252.00	0.05707	383452.03	3770252.00	0.05132	
383502.03	3770252.00	0.04414	383552.03	3770252.00	0.03632	
383602.03	3770252.00	0.02872	383652.03	3770252.00	0.02205	
383702.03	3770252.00	0.01674	383752.03	3770252.00	0.01287	
383802.03	3770252.00	0.01024	383852.03	3770252.00	0.00855	
383902.03	3770252.00	0.00745	383952.03	3770252.00	0.00667	
384002.03	3770252.00	0.00605	384052.03	3770252.00	0.00552	
384102.03	3770252.00	0.00503	384152.03	3770252.00	0.00459	
384202.03	3770252.00	0.00419	384252.03	3770252.00	0.00385	
384302.03	3770252.00	0.00354	384352.03	3770252.00	0.00328	
384402.03	3770252.00	0.00304	384452.03	3770252.00	0.00283	
384502.03	3770252.00	0.00265	384552.03	3770252.00	0.00249	
384602.03	3770252.00	0.00236	384652.03	3770252.00	0.00226	
384702.03	3770252.00	0.00217	382752.03	3770302.00	0.02601	
382802.03	3770302.00	0.02926	382852.03	3770302.00	0.03291	
382902.03	3770302.00	0.03697	382952.03	3770302.00	0.04141	
383002.03	3770302.00	0.04618	383052.03	3770302.00	0.05116	
383102.03	3770302.00	0.05620	383152.03	3770302.00	0.06102	
383202.03	3770302.00	0.06530	383252.03	3770302.00	0.06857	
383302.03	3770302.00	0.07031	383352.03	3770302.00	0.06998	
383402.03	3770302.00	0.06717	383452.03	3770302.00	0.06174	
383502.03	3770302.00	0.05403	383552.03	3770302.00	0.04485	
383602.03	3770302.00	0.03537	383652.03	3770302.00	0.02675	
383702.03	3770302.00	0.01981	383752.03	3770302.00	0.01482	
383802.03	3770302.00	0.01157	383852.03	3770302.00	0.00954	
383902.03	3770302.00	0.00823	383952.03	3770302.00	0.00729	
384002.03	3770302.00	0.00654	384052.03	3770302.00	0.00590	
384102.03	3770302.00	0.00534	384152.03	3770302.00	0.00485	
384202.03	3770302.00	0.00442	384252.03	3770302.00	0.00406	
384302.03	3770302.00	0.00374	384352.03	3770302.00	0.00347	
384402.03	3770302.00	0.00322	384452.03	3770302.00	0.00300	
384502.03	3770302.00	0.00281	384552.03	3770302.00	0.00265	
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***		04/20/10
		*** HRA - PM Diesel (Unmitigated)		***		11:23:25
**MODELOPTs:						PAGE 43
CONC		DFAULT ELEV				

*** THE ANNUAL AVERAGE CONCENTRATION INCLUDING SOURCE(S):			VALUES AVERAGED OVER SITE ,		2 YEARS FOR SOURCE GROUP: ONSITE	***
*** DISCRETE CARTESIAN RECEPTOR POINTS ***						
		** CONC OF DPM	IN MICROGRAMS/M**3			
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC	
384602.03	3770302.00	0.00252	384652.03	3770302.00	0.00241	
384702.03	3770302.00	0.00232	382752.03	3770352.00	0.02475	
382802.03	3770352.00	0.02800	382852.03	3770352.00	0.03171	
382902.03	3770352.00	0.03592	382952.03	3770352.00	0.04063	
383002.03	3770352.00	0.04583	383052.03	3770352.00	0.05145	
383102.03	3770352.00	0.05738	383152.03	3770352.00	0.06340	
383202.03	3770352.00	0.06919	383252.03	3770352.00	0.07429	
383302.03	3770352.00	0.07809	383352.03	3770352.00	0.07986	
383402.03	3770352.00	0.07886	383452.03	3770352.00	0.07453	
383502.03	3770352.00	0.06683	383552.03	3770352.00	0.05641	
383602.03	3770352.00	0.04466	383652.03	3770352.00	0.03334	

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

383702.03	3770352.00	0.02401	383752.03	3770352.00	0.01738
383802.03	3770352.00	0.01322	383852.03	3770352.00	0.01074
383902.03	3770352.00	0.00916	383952.03	3770352.00	0.00801
384002.03	3770352.00	0.00710	384052.03	3770352.00	0.00635
384102.03	3770352.00	0.00571	384152.03	3770352.00	0.00518
384202.03	3770352.00	0.00473	384252.03	3770352.00	0.00434
384302.03	3770352.00	0.00400	384352.03	3770352.00	0.00370
384402.03	3770352.00	0.00343	384452.03	3770352.00	0.00320
384502.03	3770352.00	0.00300	384552.03	3770352.00	0.00283
384602.03	3770352.00	0.00270	384652.03	3770352.00	0.00258
384702.03	3770352.00	0.00249	382752.03	3770402.00	0.02338
382802.03	3770402.00	0.02657	382852.03	3770402.00	0.03028
382902.03	3770402.00	0.03455	382952.03	3770402.00	0.03943
383002.03	3770402.00	0.04495	383052.03	3770402.00	0.05111
383102.03	3770402.00	0.05784	383152.03	3770402.00	0.06500
383202.03	3770402.00	0.07233	383252.03	3770402.00	0.07942
383302.03	3770402.00	0.08567	383352.03	3770402.00	0.09022
383402.03	3770402.00	0.09202	383452.03	3770402.00	0.08997
383502.03	3770402.00	0.08334	383552.03	3770402.00	0.07224
383602.03	3770402.00	0.05800	383652.03	3770402.00	0.04302
383702.03	3770402.00	0.03005	383752.03	3770402.00	0.02085
383802.03	3770402.00	0.01535	383852.03	3770402.00	0.01224
383902.03	3770402.00	0.01028	383952.03	3770402.00	0.00887
384002.03	3770402.00	0.00777	384052.03	3770402.00	0.00691
384102.03	3770402.00	0.00621	384152.03	3770402.00	0.00562
384202.03	3770402.00	0.00513	384252.03	3770402.00	0.00470
384302.03	3770402.00	0.00432	384352.03	3770402.00	0.00398
384402.03	3770402.00	0.00369	384452.03	3770402.00	0.00344
384502.03	3770402.00	0.00323	384552.03	3770402.00	0.00306
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	04/20/10
MODELOPTs:		* HRA - PM Diesel (Unmitigated)		***	11:23:25
CONC		DFAULT ELEV		PAGE 44	

*** THE ANNUAL AVERAGE CONCENTRATION INCLUDING SOURCE(S):			VALUES AVERAGED OVER SITE		2 YEARS FOR SOURCE GROUP: ONSITE		***
*** DISCRETE CARTESIAN RECEPTOR POINTS ***							
** CONC OF DPM			IN MICROGRAMS/M**3				**
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC		
384602.03	3770402.00	0.00291	384652.03	3770402.00	0.00279		
384702.03	3770402.00	0.00268	382752.03	3770452.00	0.02195		
382802.03	3770452.00	0.02503	382852.03	3770452.00	0.02865		
382902.03	3770452.00	0.03290	382952.03	3770452.00	0.03786		
383002.03	3770452.00	0.04358	383052.03	3770452.00	0.05013		
383102.03	3770452.00	0.05752	383152.03	3770452.00	0.06568		
383202.03	3770452.00	0.07448	383252.03	3770452.00	0.08362		
383302.03	3770452.00	0.09257	383352.03	3770452.00	0.10052		
383402.03	3770452.00	0.10624	383452.03	3770452.00	0.10810		
383502.03	3770452.00	0.10439	383552.03	3770452.00	0.09408		
383602.03	3770452.00	0.07774	383652.03	3770452.00	0.05803		
383702.03	3770452.00	0.03938	383752.03	3770452.00	0.02583		
383802.03	3770452.00	0.01819	383852.03	3770452.00	0.01415		
383902.03	3770452.00	0.01167	383952.03	3770452.00	0.00994		
384002.03	3770452.00	0.00866	384052.03	3770452.00	0.00767		
384102.03	3770452.00	0.00688	384152.03	3770452.00	0.00622		
384202.03	3770452.00	0.00565	384252.03	3770452.00	0.00515		
384302.03	3770452.00	0.00471	384352.03	3770452.00	0.00433		
384402.03	3770452.00	0.00401	384452.03	3770452.00	0.00374		
384502.03	3770452.00	0.00352	384552.03	3770452.00	0.00333		
384602.03	3770452.00	0.00317	384652.03	3770452.00	0.00303		
384702.03	3770452.00	0.00291	382752.03	3770502.00	0.02049		
382802.03	3770502.00	0.02341	382852.03	3770502.00	0.02690		
382902.03	3770502.00	0.03104	382952.03	3770502.00	0.03596		
383002.03	3770502.00	0.04176	383052.03	3770502.00	0.04855		
383102.03	3770502.00	0.05642	383152.03	3770502.00	0.06541		
383202.03	3770502.00	0.07550	383252.03	3770502.00	0.08656		
383302.03	3770502.00	0.09828	383352.03	3770502.00	0.11004		
383402.03	3770502.00	0.12075	383452.03	3770502.00	0.12851		
383502.03	3770502.00	0.13061	383552.03	3770502.00	0.12413		
383602.03	3770502.00	0.10764	383652.03	3770502.00	0.08286		
383702.03	3770502.00	0.05535	383752.03	3770502.00	0.03362		
383802.03	3770502.00	0.02214	383852.03	3770502.00	0.01674		
383902.03	3770502.00	0.01356	383952.03	3770502.00	0.01145		
384002.03	3770502.00	0.00993	384052.03	3770502.00	0.00877		
384102.03	3770502.00	0.00782	384152.03	3770502.00	0.00702		
384202.03	3770502.00	0.00633	384252.03	3770502.00	0.00573		
384302.03	3770502.00	0.00522	384352.03	3770502.00	0.00479		
384402.03	3770502.00	0.00443	384452.03	3770502.00	0.00414		
384502.03	3770502.00	0.00389	384552.03	3770502.00	0.00368		
*** AERMOD - VERSION 07026 ***			*** Echo Park Lake Rehabilitation		***	04/20/10	
MODELOPTs:			* HRA - PM Diesel (Unmitigated)		***	11:23:25	
						PAGE 45	

*** THE ANNUAL AVERAGE CONCENTRATION INCLUDING SOURCE(S):			VALUES AVERAGED OVER SITE		2 YEARS FOR SOURCE GROUP: ONSITE		***
*** DISCRETE CARTESIAN RECEPTOR POINTS ***							
** CONC OF DPM			IN MICROGRAMS/M**3		**		
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC		
384602.03	3770502.00	0.00349	384652.03	3770502.00	0.00332		
384702.03	3770502.00	0.00317	382752.03	3770552.00	0.01903		
382802.03	3770552.00	0.02176	382852.03	3770552.00	0.02506		
382902.03	3770552.00	0.02903	382952.03	3770552.00	0.03381		
383002.03	3770552.00	0.03956	383052.03	3770552.00	0.04642		
383102.03	3770552.00	0.05458	383152.03	3770552.00	0.06417		
383202.03	3770552.00	0.07531	383252.03	3770552.00	0.08806		
383302.03	3770552.00	0.10237	383352.03	3770552.00	0.11802		
383402.03	3770552.00	0.13440	383452.03	3770552.00	0.15010		
383502.03	3770552.00	0.16201	383552.03	3770552.00	0.16494		
383602.03	3770552.00	0.15363	383652.03	3770552.00	0.12666		
383702.03	3770552.00	0.08716	383752.03	3770552.00	0.04779		
383802.03	3770552.00	0.02819	383852.03	3770552.00	0.02068		
383902.03	3770552.00	0.01656	383952.03	3770552.00	0.01388		
384002.03	3770552.00	0.01193	384052.03	3770552.00	0.01041		
384102.03	3770552.00	0.00918	384152.03	3770552.00	0.00814		
384202.03	3770552.00	0.00727	384252.03	3770552.00	0.00654		

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

384302.03	3770552.00	0.00593	384352.03	3770552.00	0.00542
384402.03	3770552.00	0.00501	384452.03	3770552.00	0.00466
384502.03	3770552.00	0.00436	384552.03	3770552.00	0.00411
384602.03	3770552.00	0.00388	384652.03	3770552.00	0.00367
384702.03	3770552.00	0.00348	382752.03	3770602.00	0.01760
382802.03	3770602.00	0.02012	382852.03	3770602.00	0.02318
382902.03	3770602.00	0.02691	382952.03	3770602.00	0.03147
383002.03	3770602.00	0.03704	383052.03	3770602.00	0.04382
383102.03	3770602.00	0.05206	383152.03	3770602.00	0.06200
383202.03	3770602.00	0.07390	383252.03	3770602.00	0.08801
383302.03	3770602.00	0.10455	383352.03	3770602.00	0.12377
383402.03	3770602.00	0.14588	383452.03	3770602.00	0.17083
383502.03	3770602.00	0.19725	383552.03	3770602.00	0.21930
383602.03	3770602.00	0.22522	383652.03	3770602.00	0.20819
383702.03	3770602.00	0.16544	383752.03	3770602.00	0.08438
383802.03	3770602.00	0.04027	383852.03	3770602.00	0.02898
383902.03	3770602.00	0.02257	383952.03	3770602.00	0.01833
384002.03	3770602.00	0.01530	384052.03	3770602.00	0.01302
384102.03	3770602.00	0.01123	384152.03	3770602.00	0.00979
384202.03	3770602.00	0.00862	384252.03	3770602.00	0.00767
384302.03	3770602.00	0.00690	384352.03	3770602.00	0.00628
384402.03	3770602.00	0.00576	384452.03	3770602.00	0.00533
384502.03	3770602.00	0.00496	384552.03	3770602.00	0.00463
*** AERMOD - VERSION 07026 ***	*** Echo Park Lake Rehabilitation	***	***	04/20/10	
	*** HRA - PM Diesel (Unmitigated)	***	***	11:23:25	
**MODELOPTs:	DEFAULT ELEV			PAGE	46
CONC					
*** THE ANNUAL AVERAGE CONCENTRATION INCLUDING SOURCE(S):					
VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: ONSITE					
SITE ,					
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
** CONC OF DPM IN MICROGRAMS/M**3 **					
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
384602.03	3770602.00	0.00434	384652.03	3770602.00	0.00408
384702.03	3770602.00	0.00384	382752.03	3770652.00	0.01622
382802.03	3770652.00	0.01851	382852.03	3770652.00	0.02131
382902.03	3770652.00	0.02475	382952.03	3770652.00	0.02901
383002.03	3770652.00	0.03428	383052.03	3770652.00	0.04083
383102.03	3770652.00	0.04894	383152.03	3770652.00	0.05896
383202.03	3770652.00	0.07129	383252.03	3770652.00	0.08636
383302.03	3770652.00	0.10467	383352.03	3770652.00	0.12689
383402.03	3770652.00	0.15406	383452.03	3770652.00	0.18802
383502.03	3770652.00	0.23210	383552.03	3770652.00	0.28899
383602.03	3770652.00	0.34293	383652.03	3770652.00	0.37171
383702.03	3770652.00	0.38593	383802.03	3770652.00	0.09894
383852.03	3770652.00	0.05235	383902.03	3770652.00	0.03537
383952.03	3770652.00	0.02642	384002.03	3770652.00	0.02085
384052.03	3770652.00	0.01703	384102.03	3770652.00	0.01425
384152.03	3770652.00	0.01214	384202.03	3770652.00	0.01051
384252.03	3770652.00	0.00923	384302.03	3770652.00	0.00821
384352.03	3770652.00	0.00740	384402.03	3770652.00	0.00673
384452.03	3770652.00	0.00617	384502.03	3770652.00	0.00569
384552.03	3770652.00	0.00527	384602.03	3770652.00	0.00489
384652.03	3770652.00	0.00455	384702.03	3770652.00	0.00425
382752.03	3770702.00	0.01491	382802.03	3770702.00	0.01696
382852.03	3770702.00	0.01947	382902.03	3770702.00	0.02259
382952.03	3770702.00	0.02649	383002.03	3770702.00	0.03137
383052.03	3770702.00	0.03753	383102.03	3770702.00	0.04531
383152.03	3770702.00	0.05513	383202.03	3770702.00	0.06752
383252.03	3770702.00	0.08311	383302.03	3770702.00	0.10265
383352.03	3770702.00	0.12719	383402.03	3770702.00	0.15841
383452.03	3770702.00	0.19961	383502.03	3770702.00	0.25901
383552.03	3770702.00	0.36231	383802.03	3770702.00	0.20907
383852.03	3770702.00	0.09260	383902.03	3770702.00	0.05569
383952.03	3770702.00	0.03853	384002.03	3770702.00	0.02880
384052.03	3770702.00	0.02260	384102.03	3770702.00	0.01834
384152.03	3770702.00	0.01526	384202.03	3770702.00	0.01298
384252.03	3770702.00	0.01123	384302.03	3770702.00	0.00988
384352.03	3770702.00	0.00880	384402.03	3770702.00	0.00792
384452.03	3770702.00	0.00718	384502.03	3770702.00	0.00655
384552.03	3770702.00	0.00601	384602.03	3770702.00	0.00553
384652.03	3770702.00	0.00510	384702.03	3770702.00	0.00473
382752.03	3770752.00	0.01366	382802.03	3770752.00	0.01547
*** AERMOD - VERSION 07026 ***	*** Echo Park Lake Rehabilitation	***	***	04/20/10	
	*** HRA - PM Diesel (Unmitigated)	***	***	11:23:25	
**MODELOPTs:	DEFAULT ELEV			PAGE	47
CONC					
*** THE ANNUAL AVERAGE CONCENTRATION INCLUDING SOURCE(S):					
VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: ONSITE					
SITE ,					
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
** CONC OF DPM IN MICROGRAMS/M**3 **					
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
382852.03	3770752.00	0.01771	382902.03	3770752.00	0.02049
382952.03	3770752.00	0.02398	383002.03	3770752.00	0.02840
383052.03	3770752.00	0.03405	383102.03	3770752.00	0.04130
383152.03	3770752.00	0.05065	383202.03	3770752.00	0.06273
383252.03	3770752.00	0.07833	383302.03	3770752.00	0.09848
383352.03	3770752.00	0.12459	383402.03	3770752.00	0.15884
383452.03	3770752.00	0.20546	383502.03	3770752.00	0.27497
383552.03	3770752.00	0.40445	383802.03	3770752.00	0.28391
383852.03	3770752.00	0.13227	383902.03	3770752.00	0.07838
383952.03	3770752.00	0.05274	384002.03	3770752.00	0.03834
384052.03	3770752.00	0.02934	384102.03	3770752.00	0.02331
384152.03	3770752.00	0.01907	384202.03	3770752.00	0.01599
384252.03	3770752.00	0.01367	384302.03	3770752.00	0.01189
384352.03	3770752.00	0.01047	384402.03	3770752.00	0.00932
384452.03	3770752.00	0.00836	384502.03	3770752.00	0.00754
384552.03	3770752.00	0.00685	384602.03	3770752.00	0.00625
384652.03	3770752.00	0.00573	384702.03	3770752.00	0.00527
382752.03	3770802.00	0.01248	382802.03	3770802.00	0.01408
382852.03	3770802.00	0.01604	382902.03	3770802.00	0.01848
382952.03	3770802.00	0.02155	383002.03	3770802.00	0.02547
383052.03	3770802.00	0.03052	383102.03	3770802.00	0.03710
383152.03	3770802.00	0.04574	383202.03	3770802.00	0.05714
383252.03	3770802.00	0.07225	383302.03	3770802.00	0.09233

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

383352.03	3770802.00	0.11916	383402.03	3770802.00	0.15544		
383452.03	3770802.00	0.20611	383502.03	3770802.00	0.28315		
383552.03	3770802.00	0.43070	383802.03	3770802.00	0.32821		
383852.03	3770802.00	0.16280	383902.03	3770802.00	0.09856		
383952.03	3770802.00	0.06655	384002.03	3770802.00	0.04815		
384052.03	3770802.00	0.03655	384102.03	3770802.00	0.02879		
384152.03	3770802.00	0.02335	384202.03	3770802.00	0.01940		
384252.03	3770802.00	0.01645	384302.03	3770802.00	0.01416		
384352.03	3770802.00	0.01235	384402.03	3770802.00	0.01088		
384452.03	3770802.00	0.00966	384502.03	3770802.00	0.00865		
384552.03	3770802.00	0.00779	384602.03	3770802.00	0.00706		
384652.03	3770802.00	0.00643	384702.03	3770802.00	0.00589		
382752.03	3770852.00	0.01139	382802.03	3770852.00	0.01278		
382852.03	3770852.00	0.01449	382902.03	3770852.00	0.01660		
382952.03	3770852.00	0.01926	383002.03	3770852.00	0.02267		
383052.03	3770852.00	0.02708	383102.03	3770852.00	0.03289		
383152.03	3770852.00	0.04063	383202.03	3770852.00	0.05104		
*** AERMOD - VERSION 07026 ***			*** Echo Park Lake Rehabilitation *** HRA - PM Diesel (Unmitigated)			***	04/20/10
MODELOPTs:						*	11:23:25
CONC							PAGE 48

*** THE ANNUAL AVERAGE CONCENTRATION INCLUDING SOURCE(S):			VALUES AVERAGED OVER SITE ,	2 YEARS FOR SOURCE GROUP: ONSITE		***
*** DISCRETE CARTESIAN RECEPTOR POINTS ***						
		** CONC OF DPM	IN MICROGRAMS/M**3			
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC	
383252.03	3770852.00	0.06518	383302.03	3770852.00	0.08451	
383352.03	3770852.00	0.11115	383402.03	3770852.00	0.14835	
383452.03	3770852.00	0.20196	383502.03	3770852.00	0.28583	
383552.03	3770852.00	0.45188	383802.03	3770852.00	0.35537	
383852.03	3770852.00	0.18481	383902.03	3770852.00	0.11478	
383952.03	3770852.00	0.07860	384002.03	3770852.00	0.05727	
384052.03	3770852.00	0.04361	384102.03	3770852.00	0.03436	
384152.03	3770852.00	0.02782	384202.03	3770852.00	0.02303	
384252.03	3770852.00	0.01941	384302.03	3770852.00	0.01660	
384352.03	3770852.00	0.01437	384402.03	3770852.00	0.01256	
384452.03	3770852.00	0.01108	384502.03	3770852.00	0.00985	
384552.03	3770852.00	0.00883	384602.03	3770852.00	0.00796	
384652.03	3770852.00	0.00722	384702.03	3770852.00	0.00659	
382752.03	3770902.00	0.01037	382802.03	3770902.00	0.01158	
382852.03	3770902.00	0.01305	382902.03	3770902.00	0.01487	
382952.03	3770902.00	0.01715	383002.03	3770902.00	0.02006	
383052.03	3770902.00	0.02384	383102.03	3770902.00	0.02884	
383152.03	3770902.00	0.03556	383202.03	3770902.00	0.04476	
383252.03	3770902.00	0.05752	383302.03	3770902.00	0.07544	
383352.03	3770902.00	0.10093	383402.03	3770902.00	0.13783	
383452.03	3770902.00	0.19308	383502.03	3770902.00	0.28292	
383552.03	3770902.00	0.46696	383802.03	3770902.00	0.37624	
383852.03	3770902.00	0.20189	383902.03	3770902.00	0.12808	
383952.03	3770902.00	0.08902	384002.03	3770902.00	0.06555	
384052.03	3770902.00	0.05028	384102.03	3770902.00	0.03979	
384152.03	3770902.00	0.03228	384202.03	3770902.00	0.02670	
384252.03	3770902.00	0.02244	384302.03	3770902.00	0.01911	
384352.03	3770902.00	0.01646	384402.03	3770902.00	0.01433	
384452.03	3770902.00	0.01258	384502.03	3770902.00	0.01114	
384552.03	3770902.00	0.00994	384602.03	3770902.00	0.00893	
384652.03	3770902.00	0.00807	384702.03	3770902.00	0.00734	
382752.03	3770952.00	0.00941	382802.03	3770952.00	0.01046	
382852.03	3770952.00	0.01173	382902.03	3770952.00	0.01328	
382952.03	3770952.00	0.01522	383002.03	3770952.00	0.01767	
383052.03	3770952.00	0.02085	383102.03	3770952.00	0.02505	
383152.03	3770952.00	0.03073	383202.03	3770952.00	0.03858	
383252.03	3770952.00	0.04965	383302.03	3770952.00	0.06561	
383352.03	3770952.00	0.08905	383402.03	3770952.00	0.12432	
383452.03	3770952.00	0.17942	383502.03	3770952.00	0.27312	
383552.03	3770952.00	0.47345	383802.03	3770952.00	0.41477	
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***		04/20/10
***MODELOPTs:		*** HRA - PM Diesel (Unmitigated)		***		11:23:25
						PAGE 49

*** THE ANNUAL AVERAGE CONCENTRATION INCLUDING SOURCE(S):			VALUES AVERAGED OVER SITE	2 YEARS FOR SOURCE GROUP: ONSITE		***
*** DISCRETE CARTESIAN RECEPTOR POINTS ***						
		** CONC OF DPM	IN MICROGRAMS/M**3			
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC	
383852.03	3770952.00	0.22196	383902.03	3770952.00	0.14179	
383952.03	3770952.00	0.09930	384002.03	3770952.00	0.07362	
384052.03	3770952.00	0.05679	384102.03	3770952.00	0.04512	
384152.03	3770952.00	0.03666	384202.03	3770952.00	0.03032	
384252.03	3770952.00	0.02545	384302.03	3770952.00	0.02163	
384352.03	3770952.00	0.01859	384402.03	3770952.00	0.01614	
384452.03	3770952.00	0.01414	384502.03	3770952.00	0.01249	
384552.03	3770952.00	0.01111	384602.03	3770952.00	0.00996	
384652.03	3770952.00	0.00898	384702.03	3770952.00	0.00815	
382752.03	3771002.00	0.00851	382802.03	3771002.00	0.00942	
382852.03	3771002.00	0.01050	382902.03	3771002.00	0.01182	
382952.03	3771002.00	0.01345	383002.03	3771002.00	0.01550	
383052.03	3771002.00	0.01814	383102.03	3771002.00	0.02159	
383152.03	3771002.00	0.02626	383202.03	3771002.00	0.03273	
383252.03	3771002.00	0.04197	383302.03	3771002.00	0.05558	
383352.03	3771002.00	0.07620	383402.03	3771002.00	0.10847	
383452.03	3771002.00	0.16125	383502.03	3771002.00	0.25523	
383552.03	3771002.00	0.46560	383802.03	3771002.00	0.55582	
383852.03	3771002.00	0.26074	383902.03	3771002.00	0.16109	
383952.03	3771002.00	0.11169	384002.03	3771002.00	0.08254	
384052.03	3771002.00	0.06362	384102.03	3771002.00	0.05052	
384152.03	3771002.00	0.04102	384202.03	3771002.00	0.03389	
384252.03	3771002.00	0.02841	384302.03	3771002.00	0.02412	
384352.03	3771002.00	0.02071	384402.03	3771002.00	0.01795	
384452.03	3771002.00	0.01571	384502.03	3771002.00	0.01385	
384552.03	3771002.00	0.01231	384602.03	3771002.00	0.01101	
384652.03	3771002.00	0.00991	384702.03	3771002.00	0.00897	
382752.03	3771052.00	0.00767	382802.03	3771052.00	0.00844	
382852.03	3771052.00	0.00937	382902.03	3771052.00	0.01048	

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

382952.03	3771052.00	0.01184	383002.03	3771052.00	0.01353
383052.03	3771052.00	0.01568	383102.03	3771052.00	0.01848
383152.03	3771052.00	0.02222	383202.03	3771052.00	0.02739
383252.03	3771052.00	0.03482	383302.03	3771052.00	0.04590
383352.03	3771052.00	0.06314	383402.03	3771052.00	0.09119
383452.03	3771052.00	0.13929	383502.03	3771052.00	0.22950
383552.03	3771052.00	0.44029	383852.03	3771052.00	0.33501
383902.03	3771052.00	0.19053	383952.03	3771052.00	0.12810
384002.03	3771052.00	0.09321	384052.03	3771052.00	0.07117
384102.03	3771052.00	0.05615	384152.03	3771052.00	0.04540
384202.03	3771052.00	0.03740	384252.03	3771052.00	0.03131

*** AERMOD - VERSION 07026 *** *** Echo Park Lake Rehabilitation *** 04/20/10
*** HRA - PM Diesel (Unmitigated) *** 11:23:25
**MODELOPTs: PAGE 50
CONC DFAULT ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): SITE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM			IN MICROGRAMS/M**3			**		
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC			
384302.03	3771052.00	0.02655	384352.03	3771052.00	0.02277			
384402.03	3771052.00	0.01973	384452.03	3771052.00	0.01724			
384502.03	3771052.00	0.01519	384552.03	3771052.00	0.01348			
384602.03	3771052.00	0.01205	384652.03	3771052.00	0.01083			
384702.03	3771052.00	0.00979	382752.03	3771102.00	0.00687			
382802.03	3771102.00	0.00752	382852.03	3771102.00	0.00830			
382902.03	3771102.00	0.00923	382952.03	3771102.00	0.01036			
383002.03	3771102.00	0.01174	383052.03	3771102.00	0.01347			
383102.03	3771102.00	0.01570	383152.03	3771102.00	0.01864			
383202.03	3771102.00	0.02268	383252.03	3771102.00	0.02843			
383302.03	3771102.00	0.03705	383352.03	3771102.00	0.05070			
383402.03	3771102.00	0.07362	383452.03	3771102.00	0.11484			
383502.03	3771102.00	0.19662	383552.03	3771102.00	0.39886			
383852.03	3771102.00	0.47332	383902.03	3771102.00	0.23354			
383952.03	3771102.00	0.14917	384002.03	3771102.00	0.10559			
384052.03	3771102.00	0.07924	384102.03	3771102.00	0.06183			
384152.03	3771102.00	0.04965	384202.03	3771102.00	0.04074			
384252.03	3771102.00	0.03401	384302.03	3771102.00	0.02880			
384352.03	3771102.00	0.02468	384402.03	3771102.00	0.02136			
384452.03	3771102.00	0.01866	384502.03	3771102.00	0.01644			
384552.03	3771102.00	0.01458	384602.03	3771102.00	0.01302			
384652.03	3771102.00	0.01169	384702.03	3771102.00	0.01056			
382752.03	3771152.00	0.00612	382802.03	3771152.00	0.00667			
382852.03	3771152.00	0.00731	382902.03	3771152.00	0.00808			
382952.03	3771152.00	0.00899	383002.03	3771152.00	0.01011			
383052.03	3771152.00	0.01149	383102.03	3771152.00	0.01324			
383152.03	3771152.00	0.01552	383202.03	3771152.00	0.01860			
383252.03	3771152.00	0.02294	383302.03	3771152.00	0.02938			
383352.03	3771152.00	0.03958	383402.03	3771152.00	0.05704			
383452.03	3771152.00	0.08980	383502.03	3771152.00	0.15871			
383552.03	3771152.00	0.33775	383902.03	3771152.00	0.29198			
383952.03	3771152.00	0.17164	384002.03	3771152.00	0.11721			
384052.03	3771152.00	0.08635	384102.03	3771152.00	0.06669			
384152.03	3771152.00	0.05322	384202.03	3771152.00	0.04352			
384252.03	3771152.00	0.03626	384302.03	3771152.00	0.03068			
384352.03	3771152.00	0.02628	384402.03	3771152.00	0.02275			
384452.03	3771152.00	0.01988	384502.03	3771152.00	0.01751			
384552.03	3771152.00	0.01553	384602.03	3771152.00	0.01387			
384652.03	3771152.00	0.01246	384702.03	3771152.00	0.01126			
382752.03	3771202.00	0.00543	382802.03	3771202.00	0.00588			

*** AERMOD - VERSION 07026 *** *** Echo Park Lake Rehabilitation *** 04/20/10
*** HRA - PM Diesel (Unmitigated) *** 11:23:25
**MODELOPTs: PAGE 51
CONC DFAULT ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): SITE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM			IN MICROGRAMS/M**3			**		
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC			
382852.03	3771202.00	0.00641	382902.03	3771202.00	0.00703			
382952.03	3771202.00	0.00776	383002.03	3771202.00	0.00864			
383052.03	3771202.00	0.00973	383102.03	3771202.00	0.01109			
383152.03	3771202.00	0.01283	383202.03	3771202.00	0.01516			
383252.03	3771202.00	0.01837	383302.03	3771202.00	0.02304			
383352.03	3771202.00	0.03032	383402.03	3771202.00	0.04271			
383452.03	3771202.00	0.06643	383502.03	3771202.00	0.11942			
383552.03	3771202.00	0.26714	383852.03	3771202.00	0.68474			
383902.03	3771202.00	0.30855	383952.03	3771202.00	0.17932			
384002.03	3771202.00	0.12193	384052.03	3771202.00	0.08968			
384102.03	3771202.00	0.06922	384152.03	3771202.00	0.05525			
384202.03	3771202.00	0.04521	384252.03	3771202.00	0.03772			
384302.03	3771202.00	0.03195	384352.03	3771202.00	0.02741			
384402.03	3771202.00	0.02376	384452.03	3771202.00	0.02079			
384502.03	3771202.00	0.01834	384552.03	3771202.00	0.01629			
384602.03	3771202.00	0.01456	384652.03	3771202.00	0.01309			
384702.03	3771202.00	0.01183	382752.03	3771252.00	0.00480			
382802.03	3771252.00	0.00517	382852.03	3771252.00	0.00560			
382902.03	3771252.00	0.00609	382952.03	3771252.00	0.00667			
383002.03	3771252.00	0.00736	383052.03	3771252.00	0.00821			
383102.03	3771252.00	0.00925	383152.03	3771252.00	0.01057			
383202.03	3771252.00	0.01231	383252.03	3771252.00	0.01467			
383302.03	3771252.00	0.01803	383352.03	3771252.00	0.02311			
383402.03	3771252.00	0.03151	383452.03	3771252.00	0.04717			
383502.03	3771252.00	0.08251	383552.03	3771252.00	0.19114			
383752.03	3771252.00	0.84992	383802.03	3771252.00	0.60720			
383852.03	3771252.00	0.39373	383902.03	3771252.00	0.24643			
383952.03	3771252.00	0.16263	384002.03	3771252.00	0.11586			
384052.03	3771252.00	0.08726	384102.03	3771252.00	0.06834			
384152.03	3771252.00	0.05509	384202.03	3771252.00	0.04540			
384252.03	3771252.00	0.03809	384302.03	3771252.00	0.03242			
384352.03	3771252.00	0.02792	384402.03	3771252.00	0.02429			
384452.03	3771252.00	0.02132	384502.03	3771252.00	0.01886			
384552.03	3771252.00	0.01679	384602.03	3771252.00	0.01504			
384652.03	3771252.00	0.01355	384702.03	3771252.00	0.01227			

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

382752.03	3771302.00	0.00426	382802.03	3771302.00	0.00455						
382852.03	3771302.00	0.00489	382902.03	3771302.00	0.00528						
382952.03	3771302.00	0.00574	383002.03	3771302.00	0.00628						
383052.03	3771302.00	0.00693	383102.03	3771302.00	0.00773						
383152.03	3771302.00	0.00873	383202.03	3771302.00	0.01003						
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	04/20/10						
		*** HRA - PM Diesel (Unmitigated)		***	11:23:25						
**MODELOPTs:		DEFAULT ELEV		PAGE 52							
CONC											
*** THE ANNUAL AVERAGE CONCENTRATION INCLUDING SOURCE(S):											
VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: ONSITE											
SITE ,											
*** DISCRETE CARTESIAN RECEPTOR POINTS ***											
** CONC OF DPM IN MICROGRAMS/M**3 **											
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC						
383252.03	3771302.00	0.01177	383302.03	3771302.00	0.01421						
383352.03	3771302.00	0.01781	383402.03	3771302.00	0.02355						
383452.03	3771302.00	0.03373	383502.03	3771302.00	0.05475						
383552.03	3771302.00	0.11283	383702.03	3771302.00	0.54555						
383752.03	3771302.00	0.42902	383802.03	3771302.00	0.34192						
383852.03	3771302.00	0.25825	383902.03	3771302.00	0.18678						
383952.03	3771302.00	0.13597	384002.03	3771302.00	0.10249						
384052.03	3771302.00	0.07998	384102.03	3771302.00	0.06419						
384152.03	3771302.00	0.05266	384202.03	3771302.00	0.04399						
384252.03	3771302.00	0.03729	384302.03	3771302.00	0.03200						
384352.03	3771302.00	0.02775	384402.03	3771302.00	0.02429						
384452.03	3771302.00	0.02143	384502.03	3771302.00	0.01903						
384552.03	3771302.00	0.01701	384602.03	3771302.00	0.01529						
384652.03	3771302.00	0.01382	384702.03	3771302.00	0.01254						
382752.03	3771352.00	0.00378	382802.03	3771352.00	0.00402						
382852.03	3771352.00	0.00429	382902.03	3771352.00	0.00460						
382952.03	3771352.00	0.00496	383002.03	3771352.00	0.00539						
383052.03	3771352.00	0.00589	383102.03	3771352.00	0.00651						
383152.03	3771352.00	0.00728	383202.03	3771352.00	0.00827						
383252.03	3771352.00	0.00958	383302.03	3771352.00	0.01140						
383352.03	3771352.00	0.01407	383402.03	3771352.00	0.01827						
383452.03	3771352.00	0.02547	383502.03	3771352.00	0.03941						
383552.03	3771352.00	0.07241	383602.03	3771352.00	0.18683						
383652.03	3771352.00	0.33334	383702.03	3771352.00	0.29211						
383752.03	3771352.00	0.25787	383802.03	3771352.00	0.22204						
383852.03	3771352.00	0.18138	383902.03	3771352.00	0.14215						
383952.03	3771352.00	0.11044	384002.03	3771352.00	0.08717						
384052.03	3771352.00	0.07037	384102.03	3771352.00	0.05797						
384152.03	3771352.00	0.04856	384202.03	3771352.00	0.04124						
384252.03	3771352.00	0.03544	384302.03	3771352.00	0.03076						
384352.03	3771352.00	0.02693	384402.03	3771352.00	0.02376						
384452.03	3771352.00	0.02110	384502.03	3771352.00	0.01885						
384552.03	3771352.00	0.01694	384602.03	3771352.00	0.01530						
384652.03	3771352.00	0.01388	384702.03	3771352.00	0.01264						
382752.03	3771402.00	0.00338	382802.03	3771402.00	0.00357						
382852.03	3771402.00	0.00379	382902.03	3771402.00	0.00404						
382952.03	3771402.00	0.00432	383002.03	3771402.00	0.00466						
383052.03	3771402.00	0.00506	383102.03	3771402.00	0.00555						
383152.03	3771402.00	0.00615	383202.03	3771402.00	0.00693						
383252.03	3771402.00	0.00797	383302.03	3771402.00	0.00941						
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	04/20/10						
		*** HRA - PM Diesel (Unmitigated)		***	11:23:25						
**MODELOPTs:		DEFAULT ELEV		PAGE 53							
CONC											
*** THE ANNUAL AVERAGE CONCENTRATION INCLUDING SOURCE(S):											
VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: ONSITE											
SITE ,											
*** DISCRETE CARTESIAN RECEPTOR POINTS ***											
** CONC OF DPM IN MICROGRAMS/M**3 **											
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC						
383352.03	3771402.00	0.01154	383402.03	3771402.00	0.01491						
383452.03	3771402.00	0.02068	383502.03	3771402.00	0.03164						
383552.03	3771402.00	0.05541	383602.03	3771402.00	0.10612						
383652.03	3771402.00	0.15903	383702.03	3771402.00	0.17439						
383752.03	3771402.00	0.16952	383802.03	3771402.00	0.15445						
383852.03	3771402.00	0.13295	383902.03	3771402.00	0.10982						
383952.03	3771402.00	0.08929	384002.03	3771402.00	0.07829						
384052.03	3771402.00	0.06057	384102.03	3771402.00	0.05105						
384152.03	3771402.00	0.04362	384202.03	3771402.00	0.03768						
384252.03	3771402.00	0.03286	384302.03	3771402.00	0.02888						
384352.03	3771402.00	0.02556	384402.03	3771402.00	0.02277						
384452.03	3771402.00	0.02039	384502.03	3771402.00	0.01835						
384552.03	3771402.00	0.01659	384602.03	3771402.00	0.01506						
384652.03	3771402.00	0.01373	384702.03	3771402.00	0.01257						
382752.03	3771452.00	0.00304	382802.03	3771452.00	0.00319						
382852.03	3771452.00	0.00337	382902.03	3771452.00	0.00357						
382952.03	3771452.00	0.00380	383002.03	3771452.00	0.00407						
383052.03	3771452.00	0.00439	383102.03	3771452.00	0.00479						
383152.03	3771452.00	0.00528	383202.03	3771452.00	0.00593						
383252.03	3771452.00	0.00679	383302.03	3771452.00	0.00802						
383352.03	3771452.00	0.00986	383402.03	3771452.00	0.01280						
383452.03	3771452.00	0.01785	383502.03	3771452.00	0.02710						
383552.03	3771452.00	0.04453	383602.03	3771452.00	0.07267						
383652.03	3771452.00	0.10114	383702.03	3771452.00	0.11655						
383752.03	3771452.00	0.11918	383802.03	3771452.00	0.11291						
383852.03	3771452.00	0.10090	383902.03	3771452.00	0.08651						
383952.03	3771452.00	0.07271	384002.03	3771452.00	0.06104						
384052.03	3771452.00	0.05173	384102.03	3771452.00	0.04440						
384152.03	3771452.00	0.03857	384202.03	3771452.00	0.03383						
384252.03	3771452.00	0.02991	384302.03	3771452.00	0.02662						
384352.03	3771452.00	0.02383	384402.03	3771452.00	0.02144						
384452.03	3771452.00	0.01937	384502.03	3771452.00	0.01757						
384552.03	3771452.00	0.01600	384602.03	3771452.00	0.01462						
384652.03	3771452.00	0.01341	384702.03	3771452.00	0.01233						
382752.03	3771502.00	0.00274	382802.03	3771502.00	0.00287						
382852.03	3771502.00	0.00301	382902.03	3771502.00	0.00318						
382952.03	3771502.00	0.00337	383002.03	3771502.00	0.00359						
383052.03	3771502.00	0.00386	383102.03	3771502.00	0.00419						
383152.03	3771502.00	0.00461	383202.03	3771502.00	0.00517						
383252.03	3771502.00	0.00594	383302.03	3771502.00	0.00705						
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	04/20/10						

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

MODELOPTs:		* HRA - PM Diesel (Unmitigated)			***		11:23:25
CONC		DEFAULT ELEV					PAGE 54
*** THE ANNUAL AVERAGE CONCENTRATION INCLUDING SOURCE(S) :		VALUES AVERAGED OVER SITE ,		2 YEARS FOR SOURCE GROUP: ONSITE		***	
*** DISCRETE CARTESIAN RECEPTOR POINTS ***							
** CONC OF DPM		IN MICROGRAMS/M**3				**	
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC		
383352.03	3771502.00	0.00874	383402.03	3771502.00	0.01146		
383452.03	3771502.00	0.01599	383502.03	3771502.00	0.02377		
383552.03	3771502.00	0.03666	383602.03	3771502.00	0.05469		
383652.03	3771502.00	0.07280	383702.03	3771502.00	0.08471		
383752.03	3771502.00	0.08875	383802.03	3771502.00	0.08621		
383852.03	3771502.00	0.07909	383902.03	3771502.00	0.06967		
383952.03	3771502.00	0.06001	384002.03	3771502.00	0.05141		
384052.03	3771502.00	0.04427	384102.03	3771502.00	0.03852		
384152.03	3771502.00	0.03388	384202.03	3771502.00	0.03008		
384252.03	3771502.00	0.02691	384302.03	3771502.00	0.02423		
384352.03	3771502.00	0.02192	384402.03	3771502.00	0.01991		
384452.03	3771502.00	0.01815	384502.03	3771502.00	0.01661		
384552.03	3771502.00	0.01523	384602.03	3771502.00	0.01401		
384652.03	3771502.00	0.01293	384702.03	3771502.00	0.01195		
382752.03	3771552.00	0.00249	382802.03	3771552.00	0.00259		
382852.03	3771552.00	0.00271	382902.03	3771552.00	0.00284		
382952.03	3771552.00	0.00300	383002.03	3771552.00	0.00319		
383052.03	3771552.00	0.00342	383102.03	3771552.00	0.00371		
383152.03	3771552.00	0.00409	383202.03	3771552.00	0.00460		
383252.03	3771552.00	0.00533	383302.03	3771552.00	0.00639		
383352.03	3771552.00	0.00800	383402.03	3771552.00	0.01053		
383452.03	3771552.00	0.01459	383502.03	3771552.00	0.02108		
383552.03	3771552.00	0.03084	383602.03	3771552.00	0.04343		
383652.03	3771552.00	0.05602	383702.03	3771552.00	0.06511		
383752.03	3771552.00	0.06909	383802.03	3771552.00	0.06826		
383852.03	3771552.00	0.06384	383902.03	3771552.00	0.05738		
383952.03	3771552.00	0.05036	384002.03	3771552.00	0.04381		
384052.03	3771552.00	0.03819	384102.03	3771552.00	0.03356		
384152.03	3771552.00	0.02979	384202.03	3771552.00	0.02668		
384252.03	3771552.00	0.02409	384302.03	3771552.00	0.02189		
384352.03	3771552.00	0.01998	384402.03	3771552.00	0.01832		
384452.03	3771552.00	0.01684	384502.03	3771552.00	0.01553		
384552.03	3771552.00	0.01435	384602.03	3771552.00	0.01329		
384652.03	3771552.00	0.01234	384702.03	3771552.00	0.01147		
382752.03	3771602.00	0.00226	382802.03	3771602.00	0.00235		
382852.03	3771602.00	0.00244	382902.03	3771602.00	0.00256		
382952.03	3771602.00	0.00269	383002.03	3771602.00	0.00286		
383052.03	3771602.00	0.00307	383102.03	3771602.00	0.00334		
383152.03	3771602.00	0.00370	383202.03	3771602.00	0.00420		
383252.03	3771602.00	0.00490	383302.03	3771602.00	0.00593		
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation			***		04/20/10
		*** HRA - PM Diesel (Unmitigated)			***		11:23:25
**MODELOPTs:		DEFAULT ELEV					PAGE 55
CONC							
*** THE ANNUAL AVERAGE CONCENTRATION INCLUDING SOURCE(S) :		VALUES AVERAGED OVER SITE ,		2 YEARS FOR SOURCE GROUP: ONSITE		***	
*** DISCRETE CARTESIAN RECEPTOR POINTS ***							
** CONC OF DPM		IN MICROGRAMS/M**3				**	
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC		
383352.03	3771602.00	0.00747	383402.03	3771602.00	0.00982		
383452.03	3771602.00	0.01342	383502.03	3771602.00	0.01883		
383552.03	3771602.00	0.02643	383602.03	3771602.00	0.03573		
383652.03	3771602.00	0.04499	383702.03	3771602.00	0.05204		
383752.03	3771602.00	0.05562	383802.03	3771602.00	0.05565		
383852.03	3771602.00	0.05283	383902.03	3771602.00	0.04824		
383952.03	3771602.00	0.04299	384002.03	3771602.00	0.03786		
384052.03	3771602.00	0.03332	384102.03	3771602.00	0.02949		
384152.03	3771602.00	0.02633	384202.03	3771602.00	0.02373		
384252.03	3771602.00	0.02157	384302.03	3771602.00	0.01973		
384352.03	3771602.00	0.01814	384402.03	3771602.00	0.01675		
384452.03	3771602.00	0.01552	384502.03	3771602.00	0.01441		
384552.03	3771602.00	0.01341	384602.03	3771602.00	0.01255		
384652.03	3771602.00	0.01167	384702.03	3771602.00	0.01092		
382752.03	3771652.00	0.00206	382802.03	3771652.00	0.00213		
382852.03	3771652.00	0.00222	382902.03	3771652.00	0.00232		
382952.03	3771652.00	0.00244	383002.03	3771652.00	0.00259		
383052.03	3771652.00	0.00279	383102.03	3771652.00	0.00306		
383152.03	3771652.00	0.00341	383202.03	3771652.00	0.00391		
383252.03	3771652.00	0.00460	383302.03	3771652.00	0.00560		
383352.03	3771652.00	0.00706	383402.03	3771652.00	0.00922		
383452.03	3771652.00	0.01240	383502.03	3771652.00	0.01695		
383552.03	3771652.00	0.02300	383602.03	3771652.00	0.03015		
383652.03	3771652.00	0.03724	383702.03	3771652.00	0.04283		
383752.03	3771652.00	0.04596	383802.03	3771652.00	0.04642		
383852.03	3771652.00	0.04462	383902.03	3771652.00	0.04129		
383952.03	3771652.00	0.03726	384002.03	3771652.00	0.03317		
384052.03	3771652.00	0.02942	384102.03	3771652.00	0.02618		
384152.03	3771652.00	0.02348	384202.03	3771652.00	0.02124		
384252.03	3771652.00	0.01938	384302.03	3771652.00	0.01781		
384352.03	3771652.00	0.01647	384402.03	3771652.00	0.01529		
384452.03	3771652.00	0.01425	384502.03	3771652.00	0.01331		
384552.03	3771652.00	0.01247	384602.03	3771652.00	0.01169		
384652.03	3771652.00	0.01098	384702.03	3771652.00	0.01032		
382752.03	3771702.00	0.00188	382802.03	3771702.00	0.00195		
382852.03	3771702.00	0.00202	382902.03	3771702.00	0.00211		
382952.03	3771702.00	0.00223	383002.03	3771702.00	0.00238		
383052.03	3771702.00	0.00258	383102.03	3771702.00	0.00285		
383152.03	3771702.00	0.00321	383202.03	3771702.00	0.00370		
383252.03	3771702.00	0.00438	383302.03	3771702.00	0.00535		
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation			***		04/20/10
		*** HRA - PM Diesel (Unmitigated)			***		11:23:25
**MODELOPTs:		DEFAULT ELEV					PAGE 56
CONC							
*** THE ANNUAL AVERAGE CONCENTRATION INCLUDING SOURCE(S) :		VALUES AVERAGED OVER SITE ,		2 YEARS FOR SOURCE GROUP: ONSITE		***	

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

*** DISCRETE CARTESIAN RECEPTOR POINTS ***						
** CONC OF DPM			IN MICROGRAMS/M**3		**	
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC	
383352.03	3771702.00	0.00672	383402.03	3771702.00	0.00870	
383452.03	3771702.00	0.01150	383502.03	3771702.00	0.01535	
383552.03	3771702.00	0.02028	383602.03	3771702.00	0.02594	
383652.03	3771702.00	0.03153	383702.03	3771702.00	0.03605	
383752.03	3771702.00	0.03877	383802.03	3771702.00	0.03945	
383852.03	3771702.00	0.03831	383902.03	3771702.00	0.03588	
383952.03	3771702.00	0.03274	384002.03	3771702.00	0.02942	
384052.03	3771702.00	0.02628	384102.03	3771702.00	0.02351	
384152.03	3771702.00	0.02114	384202.03	3771702.00	0.01917	
384252.03	3771702.00	0.01753	384302.03	3771702.00	0.01615	
384352.03	3771702.00	0.01499	384402.03	3771702.00	0.01397	
384452.03	3771702.00	0.01308	384502.03	3771702.00	0.01228	
384552.03	3771702.00	0.01156	384602.03	3771702.00	0.01089	
384652.03	3771702.00	0.01028	384702.03	3771702.00	0.00972	
382752.03	3771752.00	0.00173	382802.03	3771752.00	0.00179	
382852.03	3771752.00	0.00186	382902.03	3771752.00	0.00195	
382952.03	3771752.00	0.00207	383002.03	3771752.00	0.00223	
383052.03	3771752.00	0.00243	383102.03	3771752.00	0.00270	
383152.03	3771752.00	0.00306	383202.03	3771752.00	0.00355	
383252.03	3771752.00	0.00422	383302.03	3771752.00	0.00514	
383352.03	3771752.00	0.00643	383402.03	3771752.00	0.00823	
383452.03	3771752.00	0.01071	383502.03	3771752.00	0.01399	
383552.03	3771752.00	0.01807	383602.03	3771752.00	0.02266	
383652.03	3771752.00	0.02718	383702.03	3771752.00	0.03090	
383752.03	3771752.00	0.03327	383802.03	3771752.00	0.03405	
383852.03	3771752.00	0.03336	383902.03	3771752.00	0.03156	
383952.03	3771752.00	0.02910	384002.03	3771752.00	0.02638	
384052.03	3771752.00	0.02373	384102.03	3771752.00	0.02132	
384152.03	3771752.00	0.01923	384202.03	3771752.00	0.01746	
384252.03	3771752.00	0.01598	384302.03	3771752.00	0.01475	
384352.03	3771752.00	0.01370	384402.03	3771752.00	0.01281	
384452.03	3771752.00	0.01203	384502.03	3771752.00	0.01133	
384552.03	3771752.00	0.01071	384602.03	3771752.00	0.01013	
384652.03	3771752.00	0.00961	384702.03	3771752.00	0.00912	
382752.03	3771802.00	0.00160	382802.03	3771802.00	0.00165	
382852.03	3771802.00	0.00173	382902.03	3771802.00	0.00182	
382952.03	3771802.00	0.00195	383002.03	3771802.00	0.00211	
383052.03	3771802.00	0.00232	383102.03	3771802.00	0.00259	
383152.03	3771802.00	0.00295	383202.03	3771802.00	0.00343	
383252.03	3771802.00	0.00408	383302.03	3771802.00	0.00495	
*** AERMOD - VERSION 07026 ***			*** Echo Park Lake Rehabilitation		***	
			*** HRA - PM Diesel (Unmitigated)		***	
**MODELOPTs:						
CONC			DFAULT ELEV			

*** DISCRETE CARTESIAN RECEPTOR POINTS ***						
** CONC OF DPM			IN MICROGRAMS/M**3		**	
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC	
383352.03	3771802.00	0.00616	383402.03	3771802.00	0.00780	
383452.03	3771802.00	0.01000	383502.03	3771802.00	0.01283	
383552.03	3771802.00	0.01626	383602.03	3771802.00	0.02006	
383652.03	3771802.00	0.02378	383702.03	3771802.00	0.02689	
383752.03	3771802.00	0.02895	383802.03	3771802.00	0.02977	
383852.03	3771802.00	0.02939	383902.03	3771802.00	0.02806	
383952.03	3771802.00	0.02611	384002.03	3771802.00	0.02388	
384052.03	3771802.00	0.02162	384102.03	3771802.00	0.01952	
384152.03	3771802.00	0.01765	384202.03	3771802.00	0.01605	
384252.03	3771802.00	0.01469	384302.03	3771802.00	0.01356	
384352.03	3771802.00	0.01261	384402.03	3771802.00	0.01180	
384452.03	3771802.00	0.01110	384502.03	3771802.00	0.01048	
384552.03	3771802.00	0.00993	384602.03	3771802.00	0.00943	
384652.03	3771802.00	0.00897	384702.03	3771802.00	0.00855	
382752.03	3771852.00	0.00149	382802.03	3771852.00	0.00155	
382852.03	3771852.00	0.00163	382902.03	3771852.00	0.00173	
382952.03	3771852.00	0.00186	383002.03	3771852.00	0.00202	
383052.03	3771852.00	0.00223	383102.03	3771852.00	0.00251	
383152.03	3771852.00	0.00287	383202.03	3771852.00	0.00333	
383252.03	3771852.00	0.00395	383302.03	3771852.00	0.00479	
383352.03	3771852.00	0.00591	383402.03	3771852.00	0.00741	
383452.03	3771852.00	0.00937	383502.03	3771852.00	0.01183	
383552.03	3771852.00	0.01475	383602.03	3771852.00	0.01794	
383652.03	3771852.00	0.02105	383702.03	3771852.00	0.02369	
383752.03	3771852.00	0.02550	383802.03	3771852.00	0.02632	
383852.03	3771852.00	0.02615	383902.03	3771852.00	0.02517	
383952.03	3771852.00	0.02363	384002.03	3771852.00	0.02178	
384052.03	3771852.00	0.01985	384102.03	3771852.00	0.01801	
384152.03	3771852.00	0.01633	384202.03	3771852.00	0.01487	
384252.03	3771852.00	0.01362	384302.03	3771852.00	0.01257	
384352.03	3771852.00	0.01168	384402.03	3771852.00	0.01093	
384452.03	3771852.00	0.01029	384502.03	3771852.00	0.00973	
384552.03	3771852.00	0.00923	384602.03	3771852.00	0.00879	
384652.03	3771852.00	0.00838	384702.03	3771852.00	0.00801	
382752.03	3771902.00	0.00140	382802.03	3771902.00	0.00146	
382852.03	3771902.00	0.00155	382902.03	3771902.00	0.00165	
382952.03	3771902.00	0.00179	383002.03	3771902.00	0.00196	
383052.03	3771902.00	0.00217	383102.03	3771902.00	0.00245	
383152.03	3771902.00	0.00280	383202.03	3771902.00	0.00325	
383252.03	3771902.00	0.00385	383302.03	3771902.00	0.00464	
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation			***	04/20/10
		*** HRA - PM Diesel (Unmitigated)			***	11:23:25
**MODELOPTs:						
CONC		DFAULT ELEV				

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

383352.03	3771902.00	0.00568	383402.03	3771902.00	0.00706				
383452.03	3771902.00	0.00881	383502.03	3771902.00	0.01097				
383552.03	3771902.00	0.01348	383602.03	3771902.00	0.01619				
383652.03	3771902.00	0.01884	383702.03	3771902.00	0.02110				
383752.03	3771902.00	0.02270	383802.03	3771902.00	0.02350				
383852.03	3771902.00	0.02348	383902.03	3771902.00	0.02276				
383952.03	3771902.00	0.02153	384002.03	3771902.00	0.02000				
384052.03	3771902.00	0.01835	384102.03	3771902.00	0.01673				
384152.03	3771902.00	0.01522	384202.03	3771902.00	0.01389				
384252.03	3771902.00	0.01273	384302.03	3771902.00	0.01174				
384352.03	3771902.00	0.01090	384402.03	3771902.00	0.01019				
384452.03	3771902.00	0.00959	384502.03	3771902.00	0.00907				
384552.03	3771902.00	0.00862	384602.03	3771902.00	0.00822				
384652.03	3771902.00	0.00785	384702.03	3771902.00	0.00752				
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	04/20/10				
		*** HRA - PM Diesel (Unmitigated)		***	11:23:25				
**MODELOPTs:				PAGE 59					
CONC									
DFAULT ELEV									
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULIDLE ***									
INCLUDING SOURCE(S): HAULIDLE,									
*** DISCRETE CARTESIAN RECEPTOR POINTS ***									
** CONC OF DPM IN MICROGRAMS/M**3 **									
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC				
383660.97	3771329.50	0.00029	383792.56	3770989.25	0.00028				
383667.38	3770537.25	0.00001	382752.03	3769952.00	0.00000				
382802.03	3769952.00	0.00000	382852.03	3769952.00	0.00000				
382902.03	3769952.00	0.00000	382952.03	3769952.00	0.00000				
383002.03	3769952.00	0.00000	383052.03	3769952.00	0.00000				
383102.03	3769952.00	0.00000	383152.03	3769952.00	0.00000				
383202.03	3769952.00	0.00000	383252.03	3769952.00	0.00000				
383302.03	3769952.00	0.00000	383352.03	3769952.00	0.00000				
383402.03	3769952.00	0.00000	383452.03	3769952.00	0.00000				
383502.03	3769952.00	0.00000	383552.03	3769952.00	0.00000				
383602.03	3769952.00	0.00000	383652.03	3769952.00	0.00000				
383702.03	3769952.00	0.00000	383752.03	3769952.00	0.00000				
383802.03	3769952.00	0.00000	383852.03	3769952.00	0.00000				
383902.03	3769952.00	0.00000	383952.03	3769952.00	0.00000				
384002.03	3769952.00	0.00000	384052.03	3769952.00	0.00000				
384102.03	3769952.00	0.00000	384152.03	3769952.00	0.00000				
384202.03	3769952.00	0.00000	384252.03	3769952.00	0.00000				
384302.03	3769952.00	0.00000	384352.03	3769952.00	0.00000				
384402.03	3769952.00	0.00000	384452.03	3769952.00	0.00000				
384502.03	3769952.00	0.00000	384552.03	3769952.00	0.00000				
384602.03	3769952.00	0.00000	384652.03	3769952.00	0.00000				
384702.03	3769952.00	0.00000	382752.03	3770002.00	0.00000				
382802.03	3770002.00	0.00000	382852.03	3770002.00	0.00000				
382902.03	3770002.00	0.00000	382952.03	3770002.00	0.00000				
383002.03	3770002.00	0.00000	383052.03	3770002.00	0.00000				
383102.03	3770002.00	0.00000	383152.03	3770002.00	0.00000				
383202.03	3770002.00	0.00000	383252.03	3770002.00	0.00000				
383302.03	3770002.00	0.00000	383352.03	3770002.00	0.00000				
383402.03	3770002.00	0.00000	383452.03	3770002.00	0.00000				
383502.03	3770002.00	0.00000	383552.03	3770002.00	0.00000				
383602.03	3770002.00	0.00000	383652.03	3770002.00	0.00000				
383702.03	3770002.00	0.00000	383752.03	3770002.00	0.00000				
383802.03	3770002.00	0.00000	383852.03	3770002.00	0.00000				
383902.03	3770002.00	0.00000	383952.03	3770002.00	0.00000				
384002.03	3770002.00	0.00000	384052.03	3770002.00	0.00000				
384102.03	3770002.00	0.00000	384152.03	3770002.00	0.00000				
384202.03	3770002.00	0.00000	384252.03	3770002.00	0.00000				
384302.03	3770002.00	0.00000	384352.03	3770002.00	0.00000				
384402.03	3770002.00	0.00000	384452.03	3770002.00	0.00000				
384502.03	3770002.00	0.00000	384552.03	3770002.00	0.00000				
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	04/20/10				
		*** HRA - PM Diesel (Unmitigated)		***	11:23:25				
**MODELOPTs:				PAGE 60					
CONC									
DFAULT ELEV									
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULIDLE ***									
INCLUDING SOURCE(S): HAULIDLE,									
*** DISCRETE CARTESIAN RECEPTOR POINTS ***									
** CONC OF DPM IN MICROGRAMS/M**3 **									
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC				
384602.03	3770002.00	0.00000	384652.03	3770002.00	0.00000				
384702.03	3770002.00	0.00000	382752.03	3770052.00	0.00000				
382802.03	3770052.00	0.00000	382852.03	3770052.00	0.00000				
382902.03	3770052.00	0.00000	382952.03	3770052.00	0.00000				
383002.03	3770052.00	0.00000	383052.03	3770052.00	0.00000				
383102.03	3770052.00	0.00000	383152.03	3770052.00	0.00000				
383202.03	3770052.00	0.00000	383252.03	3770052.00	0.00000				
383302.03	3770052.00	0.00000	383352.03	3770052.00	0.00000				
383402.03	3770052.00	0.00000	383452.03	3770052.00	0.00000				
383502.03	3770052.00	0.00000	383552.03	3770052.00	0.00000				
383602.03	3770052.00	0.00000	383652.03	3770052.00	0.00000				
383702.03	3770052.00	0.00000	383752.03	3770052.00	0.00000				
383802.03	3770052.00	0.00000	383852.03	3770052.00	0.00000				
383902.03	3770052.00	0.00000	383952.03	3770052.00	0.00000				
384002.03	3770052.00	0.00000	384052.03	3770052.00	0.00000				
384102.03	3770052.00	0.00000	384152.03	3770052.00	0.00000				
384202.03	3770052.00	0.00000	384252.03	3770052.00	0.00000				
384302.03	3770052.00	0.00000	384352.03	3770052.00	0.00000				
384402.03	3770052.00	0.00000	384452.03	3770052.00	0.00000				
384502.03	3770052.00	0.00000	384552.03	3770052.00	0.00000				
384602.03	3770052.00	0.00000	384652.03	3770052.00	0.00000				
384702.03	3770052.00	0.00000	382752.03	3770102.00	0.00000				
382802.03	3770102.00	0.00000	382852.03	3770102.00	0.00000				
382902.03	3770102.00	0.00000	382952.03	3770102.00	0.00000				
383002.03	3770102.00	0.00000	383052.03	3770102.00	0.00000				
383102.03	3770102.00	0.00000	383152.03	3770102.00	0.00000				
383202.03	3770102.00	0.00000	383252.03	3770102.00	0.00000				
383302.03	3770102.00	0.00000	383352.03	3770102.00	0.00000				
383402.03	3770102.00	0.00000	383452.03	3770102.00	0.00000				
383502.03	3770102.00	0.00000	383552.03	3770102.00	0.00000				
383602.03	3770102.00	0.00000	383652.03	3770102.00	0.00000				

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

383702.03	3770102.00	0.00000	383752.03	3770102.00	0.00000				
383802.03	3770102.00	0.00000	383852.03	3770102.00	0.00000				
383902.03	3770102.00	0.00000	383952.03	3770102.00	0.00000				
384002.03	3770102.00	0.00000	384052.03	3770102.00	0.00000				
384102.03	3770102.00	0.00000	384152.03	3770102.00	0.00000				
384202.03	3770102.00	0.00000	384252.03	3770102.00	0.00000				
384302.03	3770102.00	0.00000	384352.03	3770102.00	0.00000				
384402.03	3770102.00	0.00000	384452.03	3770102.00	0.00000				
384502.03	3770102.00	0.00000	384552.03	3770102.00	0.00000				
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***					
*** HRA - PM Diesel (Unmitigated)				04/20/10					
MODELOPTs:		* HRA - PM Diesel (Unmitigated)		11:23:25					
CONC				PAGE 61					
DFAULT ELEV									
*** THE ANNUAL AVERAGE CONCENTRATION INCLUDING SOURCE(S):									
VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULIDLE ***									
HAULIDLE,									
*** DISCRETE CARTESIAN RECEPTOR POINTS ***									
** CONC OF DPM IN MICROGRAMS/M**3 **									
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC				
384602.03	3770102.00	0.00000	384652.03	3770102.00	0.00000				
384702.03	3770102.00	0.00000	382752.03	3770152.00	0.00000				
382802.03	3770152.00	0.00000	382852.03	3770152.00	0.00000				
382902.03	3770152.00	0.00000	382952.03	3770152.00	0.00000				
383002.03	3770152.00	0.00000	383052.03	3770152.00	0.00000				
383102.03	3770152.00	0.00000	383152.03	3770152.00	0.00000				
383202.03	3770152.00	0.00000	383252.03	3770152.00	0.00000				
383302.03	3770152.00	0.00000	383352.03	3770152.00	0.00000				
383402.03	3770152.00	0.00000	383452.03	3770152.00	0.00000				
383502.03	3770152.00	0.00000	383552.03	3770152.00	0.00000				
383602.03	3770152.00	0.00000	383652.03	3770152.00	0.00000				
383702.03	3770152.00	0.00000	383752.03	3770152.00	0.00000				
383802.03	3770152.00	0.00000	383852.03	3770152.00	0.00000				
383902.03	3770152.00	0.00000	383952.03	3770152.00	0.00000				
384002.03	3770152.00	0.00000	384052.03	3770152.00	0.00000				
384102.03	3770152.00	0.00000	384152.03	3770152.00	0.00000				
384202.03	3770152.00	0.00000	384252.03	3770152.00	0.00000				
384302.03	3770152.00	0.00000	384352.03	3770152.00	0.00000				
384402.03	3770152.00	0.00000	384452.03	3770152.00	0.00000				
384502.03	3770152.00	0.00000	384552.03	3770152.00	0.00000				
384602.03	3770152.00	0.00000	384652.03	3770152.00	0.00000				
384702.03	3770152.00	0.00000	382752.03	3770202.00	0.00000				
382802.03	3770202.00	0.00000	382852.03	3770202.00	0.00000				
382902.03	3770202.00	0.00000	382952.03	3770202.00	0.00000				
383002.03	3770202.00	0.00000	383052.03	3770202.00	0.00000				
383102.03	3770202.00	0.00001	383152.03	3770202.00	0.00001				
383202.03	3770202.00	0.00001	383252.03	3770202.00	0.00001				
383302.03	3770202.00	0.00001	383352.03	3770202.00	0.00000				
383402.03	3770202.00	0.00000	383452.03	3770202.00	0.00000				
383502.03	3770202.00	0.00000	383552.03	3770202.00	0.00000				
383602.03	3770202.00	0.00000	383652.03	3770202.00	0.00000				
383702.03	3770202.00	0.00000	383752.03	3770202.00	0.00000				
383802.03	3770202.00	0.00000	383852.03	3770202.00	0.00000				
383902.03	3770202.00	0.00000	383952.03	3770202.00	0.00000				
384002.03	3770202.00	0.00000	384052.03	3770202.00	0.00000				
384102.03	3770202.00	0.00000	384152.03	3770202.00	0.00000				
384202.03	3770202.00	0.00000	384252.03	3770202.00	0.00000				
384302.03	3770202.00	0.00000	384352.03	3770202.00	0.00000				
384402.03	3770202.00	0.00000	384452.03	3770202.00	0.00000				
384502.03	3770202.00	0.00000	384552.03	3770202.00	0.00000				
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***					
*** HRA - PM Diesel (Unmitigated)				04/20/10					
MODELOPTs:		* HRA - PM Diesel (Unmitigated)		11:23:25					
CONC				PAGE 62					
DFAULT ELEV									
*** THE ANNUAL AVERAGE CONCENTRATION INCLUDING SOURCE(S):									
VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULIDLE ***									
HAULIDLE,									
*** DISCRETE CARTESIAN RECEPTOR POINTS ***									
** CONC OF DPM IN MICROGRAMS/M**3 **									
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC				
384602.03	3770202.00	0.00000	384652.03	3770202.00	0.00000				
384702.03	3770202.00	0.00000	382752.03	3770252.00	0.00000				
382802.03	3770252.00	0.00000	382852.03	3770252.00	0.00000				
382902.03	3770252.00	0.00000	382952.03	3770252.00	0.00000				
383002.03	3770252.00	0.00000	383052.03	3770252.00	0.00001				
383102.03	3770252.00	0.00001	383152.03	3770252.00	0.00001				
383202.03	3770252.00	0.00001	383252.03	3770252.00	0.00001				
383302.03	3770252.00	0.00001	383352.03	3770252.00	0.00001				
383402.03	3770252.00	0.00001	383452.03	3770252.00	0.00000				
383502.03	3770252.00	0.00000	383552.03	3770252.00	0.00000				
383602.03	3770252.00	0.00000	383652.03	3770252.00	0.00000				
383702.03	3770252.00	0.00000	383752.03	3770252.00	0.00000				
383802.03	3770252.00	0.00000	383852.03	3770252.00	0.00000				
383902.03	3770252.00	0.00000	383952.03	3770252.00	0.00000				
384002.03	3770252.00	0.00000	384052.03	3770252.00	0.00000				
384102.03	3770252.00	0.00000	384152.03	3770252.00	0.00000				
384202.03	3770252.00	0.00000	384252.03	3770252.00	0.00000				
384302.03	3770252.00	0.00000	384352.03	3770252.00	0.00000				
384402.03	3770252.00	0.00000	384452.03	3770252.00	0.00000				
384502.03	3770252.00	0.00000	384552.03	3770252.00	0.00000				
384602.03	3770252.00	0.00000	384652.03	3770252.00	0.00000				
384702.03	3770252.00	0.00000	382752.03	3770302.00	0.00000				
382802.03	3770302.00	0.00000	382852.03	3770302.00	0.00000				
382902.03	3770302.00	0.00000	382952.03	3770302.00	0.00000				
383002.03	3770302.00	0.00000	383052.03	3770302.00	0.00001				
383102.03	3770302.00	0.00001	383152.03	3770302.00	0.00001				
383202.03	3770302.00	0.00001	383252.03	3770302.00	0.00001				
383302.03	3770302.00	0.00001	383352.03	3770302.00	0.00001				
383402.03	3770302.00	0.00001	383452.03	3770302.00	0.00001				
383502.03	3770302.00	0.00001	383552.03	3770302.00	0.00000				
383602.03	3770302.00	0.00000	383652.03	3770302.00	0.00000				
383702.03	3770302.00	0.00000	383752.03	3770302.00	0.00000				
383802.03	3770302.00	0.00000	383852.03	3770302.00	0.00000				
383902.03	3770302.00	0.00000	383952.03	3770302.00	0.00000				
384002.03	3770302.00	0.00000	384052.03	3770302.00	0.00000				
384102.03	3770302.00	0.00000	384152.03	3770302.00	0.00000				
384202.03	3770302.00	0.00000	384252.03	3770302.00	0.00000				

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

384302.03	3770302.00	0.00000	384352.03	3770302.00	0.00000		
384402.03	3770302.00	0.00000	384452.03	3770302.00	0.00000		
384502.03	3770302.00	0.00000	384552.03	3770302.00	0.00000		
*** AERMOD - VERSION 07026 ***			*** Echo Park Lake Rehabilitation *** HRA - PM Diesel (Unmitigated)		***		
**MODELOPTs:					04/20/10		
CONC			DFAULT ELEV		11:23:25		
					PAGE 63		
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULIDLE *** INCLUDING SOURCE(S): HAULIDLE,							
*** DISCRETE CARTESIAN RECEPTOR POINTS ***							
** CONC OF DPM IN MICROGRAMS/M**3 **							
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC		
384602.03	3770302.00	0.00000	384652.03	3770302.00	0.00000		
384702.03	3770302.00	0.00000	382752.03	3770352.00	0.00000		
382802.03	3770352.00	0.00000	382852.03	3770352.00	0.00000		
382902.03	3770352.00	0.00000	382952.03	3770352.00	0.00000		
383002.03	3770352.00	0.00001	383052.03	3770352.00	0.00001		
383102.03	3770352.00	0.00001	383152.03	3770352.00	0.00001		
383202.03	3770352.00	0.00001	383252.03	3770352.00	0.00001		
383302.03	3770352.00	0.00001	383352.03	3770352.00	0.00001		
383402.03	3770352.00	0.00001	383452.03	3770352.00	0.00001		
383502.03	3770352.00	0.00001	383552.03	3770352.00	0.00001		
383602.03	3770352.00	0.00000	383652.03	3770352.00	0.00000		
383702.03	3770352.00	0.00000	383752.03	3770352.00	0.00000		
383802.03	3770352.00	0.00000	383852.03	3770352.00	0.00000		
383902.03	3770352.00	0.00000	383952.03	3770352.00	0.00000		
384002.03	3770352.00	0.00000	384052.03	3770352.00	0.00000		
384102.03	3770352.00	0.00000	384152.03	3770352.00	0.00000		
384202.03	3770352.00	0.00000	384252.03	3770352.00	0.00000		
384302.03	3770352.00	0.00000	384352.03	3770352.00	0.00000		
384402.03	3770352.00	0.00000	384452.03	3770352.00	0.00000		
384502.03	3770352.00	0.00000	384552.03	3770352.00	0.00000		
384602.03	3770352.00	0.00000	384652.03	3770352.00	0.00000		
384702.03	3770352.00	0.00000	382752.03	3770402.00	0.00000		
382802.03	3770402.00	0.00000	382852.03	3770402.00	0.00000		
382902.03	3770402.00	0.00000	382952.03	3770402.00	0.00000		
383002.03	3770402.00	0.00001	383052.03	3770402.00	0.00001		
383102.03	3770402.00	0.00001	383152.03	3770402.00	0.00001		
383202.03	3770402.00	0.00001	383252.03	3770402.00	0.00001		
383302.03	3770402.00	0.00001	383352.03	3770402.00	0.00001		
383402.03	3770402.00	0.00001	383452.03	3770402.00	0.00001		
383502.03	3770402.00	0.00001	383552.03	3770402.00	0.00001		
383602.03	3770402.00	0.00001	383652.03	3770402.00	0.00000		
383702.03	3770402.00	0.00000	383752.03	3770402.00	0.00000		
383802.03	3770402.00	0.00000	383852.03	3770402.00	0.00000		
383902.03	3770402.00	0.00000	383952.03	3770402.00	0.00000		
384002.03	3770402.00	0.00000	384052.03	3770402.00	0.00000		
384102.03	3770402.00	0.00000	384152.03	3770402.00	0.00000		
384202.03	3770402.00	0.00000	384252.03	3770402.00	0.00000		
384302.03	3770402.00	0.00000	384352.03	3770402.00	0.00000		
384402.03	3770402.00	0.00000	384452.03	3770402.00	0.00000		
384502.03	3770402.00	0.00000	384552.03	3770402.00	0.00000		
*** AERMOD - VERSION 07026 ***			*** Echo Park Lake Rehabilitation *** HRA - PM Diesel (Unmitigated)		***		
**MODELOPTs:					04/20/10		
CONC			DFAULT ELEV		11:23:25		
					PAGE 64		
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULIDLE *** INCLUDING SOURCE(S): HAULIDLE,							
*** DISCRETE CARTESIAN RECEPTOR POINTS ***							
** CONC OF DPM IN MICROGRAMS/M**3 **							
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC		
384602.03	3770402.00	0.00000	384652.03	3770402.00	0.00000		
384702.03	3770402.00	0.00000	382752.03	3770452.00	0.00000		
382802.03	3770452.00	0.00000	382852.03	3770452.00	0.00000		
382902.03	3770452.00	0.00000	382952.03	3770452.00	0.00000		
383002.03	3770452.00	0.00001	383052.03	3770452.00	0.00001		
383102.03	3770452.00	0.00001	383152.03	3770452.00	0.00001		
383202.03	3770452.00	0.00001	383252.03	3770452.00	0.00001		
383302.03	3770452.00	0.00001	383352.03	3770452.00	0.00001		
383402.03	3770452.00	0.00001	383452.03	3770452.00	0.00001		
383502.03	3770452.00	0.00001	383552.03	3770452.00	0.00001		
383602.03	3770452.00	0.00001	383652.03	3770452.00	0.00001		
383702.03	3770452.00	0.00000	383752.03	3770452.00	0.00000		
383802.03	3770452.00	0.00000	383852.03	3770452.00	0.00000		
383902.03	3770452.00	0.00000	383952.03	3770452.00	0.00000		
384002.03	3770452.00	0.00000	384052.03	3770452.00	0.00000		
384102.03	3770452.00	0.00000	384152.03	3770452.00	0.00000		
384202.03	3770452.00	0.00000	384252.03	3770452.00	0.00000		
384302.03	3770452.00	0.00000	384352.03	3770452.00	0.00000		
384402.03	3770452.00	0.00000	384452.03	3770452.00	0.00000		
384502.03	3770452.00	0.00000	384552.03	3770452.00	0.00000		
384602.03	3770452.00	0.00000	384652.03	3770452.00	0.00000		
384702.03	3770452.00	0.00000	382752.03	3770502.00	0.00000		
382802.03	3770502.00	0.00000	382852.03	3770502.00	0.00000		
382902.03	3770502.00	0.00000	382952.03	3770502.00	0.00000		
383002.03	3770502.00	0.00001	383052.03	3770502.00	0.00001		
383102.03	3770502.00	0.00001	383152.03	3770502.00	0.00001		
383202.03	3770502.00	0.00001	383252.03	3770502.00	0.00001		
383302.03	3770502.00	0.00001	383352.03	3770502.00	0.00001		
383402.03	3770502.00	0.00001	383452.03	3770502.00	0.00002		
383502.03	3770502.00	0.00002	383552.03	3770502.00	0.00002		
383602.03	3770502.00	0.00001	383652.03	3770502.00	0.00001		
383702.03	3770502.00	0.00001	383752.03	3770502.00	0.00000		
383802.03	3770502.00	0.00000	383852.03	3770502.00	0.00000		
383902.03	3770502.00	0.00000	383952.03	3770502.00	0.00000		
384002.03	3770502.00	0.00000	384052.03	3770502.00	0.00000		
384102.03	3770502.00	0.00000	384152.03	3770502.00	0.00000		
384202.03	3770502.00	0.00000	384252.03	3770502.00	0.00000		
384302.03	3770502.00	0.00000	384352.03	3770502.00	0.00000		
384402.03	3770502.00	0.00000	384452.03	3770502.00	0.00000		
384502.03	3770502.00	0.00000	384552.03	3770502.00	0.00000		
*** AERMOD - VERSION 07026 ***			*** Echo Park Lake Rehabilitation *** HRA - PM Diesel (Unmitigated)		***		
**MODELOPTs:					04/20/10		
					11:23:25		
					PAGE 65		

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

CONC			DFAULT ELEV		
*** THE ANNUAL AVERAGE CONCENTRATION INCLUDING SOURCE(S) :			VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULIDLE ***		
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
** CONC OF DPM			IN MICROGRAMS/M**3		
**					
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
384602.03	3770502.00	0.00000	384652.03	3770502.00	0.00000
384702.03	3770502.00	0.00000	382752.03	3770552.00	0.00000
382802.03	3770552.00	0.00000	382852.03	3770552.00	0.00000
382902.03	3770552.00	0.00000	382952.03	3770552.00	0.00000
383002.03	3770552.00	0.00001	383052.03	3770552.00	0.00001
383102.03	3770552.00	0.00001	383152.03	3770552.00	0.00001
383202.03	3770552.00	0.00001	383252.03	3770552.00	0.00001
383302.03	3770552.00	0.00001	383352.03	3770552.00	0.00001
383402.03	3770552.00	0.00002	383452.03	3770552.00	0.00002
383502.03	3770552.00	0.00002	383552.03	3770552.00	0.00002
383602.03	3770552.00	0.00002	383652.03	3770552.00	0.00002
383702.03	3770552.00	0.00001	383752.03	3770552.00	0.00001
383802.03	3770552.00	0.00001	383852.03	3770552.00	0.00000
383902.03	3770552.00	0.00000	383952.03	3770552.00	0.00000
384002.03	3770552.00	0.00000	384052.03	3770552.00	0.00000
384102.03	3770552.00	0.00000	384152.03	3770552.00	0.00000
384202.03	3770552.00	0.00000	384252.03	3770552.00	0.00000
384302.03	3770552.00	0.00000	384352.03	3770552.00	0.00000
384402.03	3770552.00	0.00000	384452.03	3770552.00	0.00000
384502.03	3770552.00	0.00000	384552.03	3770552.00	0.00000
384602.03	3770552.00	0.00000	384652.03	3770552.00	0.00000
384702.03	3770552.00	0.00000	382752.03	3770602.00	0.00000
382802.03	3770602.00	0.00000	382852.03	3770602.00	0.00000
382902.03	3770602.00	0.00000	382952.03	3770602.00	0.00000
383002.03	3770602.00	0.00001	383052.03	3770602.00	0.00001
383102.03	3770602.00	0.00001	383152.03	3770602.00	0.00001
383202.03	3770602.00	0.00001	383252.03	3770602.00	0.00001
383302.03	3770602.00	0.00001	383352.03	3770602.00	0.00002
383402.03	3770602.00	0.00002	383452.03	3770602.00	0.00002
383502.03	3770602.00	0.00003	383552.03	3770602.00	0.00003
383602.03	3770602.00	0.00004	383652.03	3770602.00	0.00004
383702.03	3770602.00	0.00003	383752.03	3770602.00	0.00002
383802.03	3770602.00	0.00001	383852.03	3770602.00	0.00001
383902.03	3770602.00	0.00001	383952.03	3770602.00	0.00000
384002.03	3770602.00	0.00000	384052.03	3770602.00	0.00000
384102.03	3770602.00	0.00000	384152.03	3770602.00	0.00000
384202.03	3770602.00	0.00000	384252.03	3770602.00	0.00000
384302.03	3770602.00	0.00000	384352.03	3770602.00	0.00000
384402.03	3770602.00	0.00000	384452.03	3770602.00	0.00000
384502.03	3770602.00	0.00000	384552.03	3770602.00	0.00000
*** AERMOD - VERSION 07026 ***			*** Echo Park Lake Rehabilitation *** HRA - PM Diesel (Unmitigated)		
**MODELOPTs:					
CONC					
DFAULT ELEV					
*** THE ANNUAL AVERAGE CONCENTRATION INCLUDING SOURCE(S) :			VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULIDLE ***		
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
** CONC OF DPM			IN MICROGRAMS/M**3		
**					
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
384602.03	3770602.00	0.00000	384652.03	3770602.00	0.00000
384702.03	3770602.00	0.00000	382752.03	3770652.00	0.00000
382802.03	3770652.00	0.00000	382852.03	3770652.00	0.00000
382902.03	3770652.00	0.00000	382952.03	3770652.00	0.00000
383002.03	3770652.00	0.00001	383052.03	3770652.00	0.00001
383102.03	3770652.00	0.00001	383152.03	3770652.00	0.00001
383202.03	3770652.00	0.00001	383252.03	3770652.00	0.00001
383302.03	3770652.00	0.00001	383352.03	3770652.00	0.00002
383402.03	3770652.00	0.00002	383452.03	3770652.00	0.00003
383502.03	3770652.00	0.00004	383552.03	3770652.00	0.00005
383602.03	3770652.00	0.00007	383652.03	3770652.00	0.00008
383702.03	3770652.00	0.00011	383802.03	3770652.00	0.00003
383852.03	3770652.00	0.00002	383902.03	3770652.00	0.00001
383952.03	3770652.00	0.00001	384002.03	3770652.00	0.00001
384052.03	3770652.00	0.00000	384102.03	3770652.00	0.00000
384152.03	3770652.00	0.00000	384202.03	3770652.00	0.00000
384252.03	3770652.00	0.00000	384302.03	3770652.00	0.00000
384352.03	3770652.00	0.00000	384402.03	3770652.00	0.00000
384452.03	3770652.00	0.00000	384502.03	3770652.00	0.00000
384552.03	3770652.00	0.00000	384602.03	3770652.00	0.00000
384652.03	3770652.00	0.00000	384702.03	3770652.00	0.00000
382752.03	3770702.00	0.00000	382802.03	3770702.00	0.00000
382852.03	3770702.00	0.00000	382902.03	3770702.00	0.00000
382952.03	3770702.00	0.00000	383002.03	3770702.00	0.00001
383052.03	3770702.00	0.00001	383102.03	3770702.00	0.00001
383152.03	3770702.00	0.00001	383202.03	3770702.00	0.00001
383252.03	3770702.00	0.00001	383302.03	3770702.00	0.00002
383352.03	3770702.00	0.00002	383402.03	3770702.00	0.00003
383452.03	3770702.00	0.00003	383502.03	3770702.00	0.00005
383552.03	3770702.00	0.00008	383802.03	3770702.00	0.00009
383852.03	3770702.00	0.00003	383902.03	3770702.00	0.00002
383952.03	3770702.00	0.00001	384002.03	3770702.00	0.00001
384052.03	3770702.00	0.00001	384102.03	3770702.00	0.00001
384152.03	3770702.00	0.00000	384202.03	3770702.00	0.00000
384252.03	3770702.00	0.00000	384302.03	3770702.00	0.00000
384352.03	3770702.00	0.00000	384402.03	3770702.00	0.00000
384452.03	3770702.00	0.00000	384502.03	3770702.00	0.00000
384552.03	3770702.00	0.00000	384602.03	3770702.00	0.00000
384652.03	3770702.00	0.00000	384702.03	3770702.00	0.00000
382752.03	3770752.00	0.00000	382802.03	3770752.00	0.00000
*** AERMOD - VERSION 07026 ***			*** Echo Park Lake Rehabilitation *** HRA - PM Diesel (Unmitigated)		
**MODELOPTs:					
CONC					
DFAULT ELEV					
*** THE ANNUAL AVERAGE CONCENTRATION INCLUDING SOURCE(S) :			VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULIDLE ***		
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

** CONC OF DPM IN MICROGRAMS/M**3 **					
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
382852.03	3770752.00	0.00000	382902.03	3770752.00	0.00000
382952.03	3770752.00	0.00000	383002.03	3770752.00	0.00001
383052.03	3770752.00	0.00001	383102.03	3770752.00	0.00001
383152.03	3770752.00	0.00001	383202.03	3770752.00	0.00001
383252.03	3770752.00	0.00001	383302.03	3770752.00	0.00002
383352.03	3770752.00	0.00002	383402.03	3770752.00	0.00003
383452.03	3770752.00	0.00004	383502.03	3770752.00	0.00005
383552.03	3770752.00	0.00010	383602.03	3770752.00	0.00013
383652.03	3770752.00	0.00005	383702.03	3770752.00	0.00003
383752.03	3770752.00	0.00002	383802.03	3770752.00	0.00001
383852.03	3770752.00	0.00001	383902.03	3770752.00	0.00001
383952.03	3770752.00	0.00001	384002.03	3770752.00	0.00001
384052.03	3770752.00	0.00000	384102.03	3770752.00	0.00001
384152.03	3770752.00	0.00000	384202.03	3770752.00	0.00001
384252.03	3770752.00	0.00000	384302.03	3770752.00	0.00000
384352.03	3770752.00	0.00000	384402.03	3770752.00	0.00000
384452.03	3770752.00	0.00000	384502.03	3770752.00	0.00000
384552.03	3770752.00	0.00000	384602.03	3770752.00	0.00000
384652.03	3770752.00	0.00000	384702.03	3770752.00	0.00000
382752.03	3770802.00	0.00000	382802.03	3770802.00	0.00000
382852.03	3770802.00	0.00000	382902.03	3770802.00	0.00000
382952.03	3770802.00	0.00000	383002.03	3770802.00	0.00001
383052.03	3770802.00	0.00001	383102.03	3770802.00	0.00001
383152.03	3770802.00	0.00001	383202.03	3770802.00	0.00001
383252.03	3770802.00	0.00001	383302.03	3770802.00	0.00002
383352.03	3770802.00	0.00002	383402.03	3770802.00	0.00003
383452.03	3770802.00	0.00004	383502.03	3770802.00	0.00006
383552.03	3770802.00	0.00011	383602.03	3770802.00	0.00015
383652.03	3770802.00	0.00007	383702.03	3770802.00	0.00004
383752.03	3770802.00	0.00003	383802.03	3770802.00	0.00002
383852.03	3770802.00	0.00001	383902.03	3770802.00	0.00001
383952.03	3770802.00	0.00001	384002.03	3770802.00	0.00001
384052.03	3770802.00	0.00000	384102.03	3770802.00	0.00000
384152.03	3770802.00	0.00000	384202.03	3770802.00	0.00000
384252.03	3770802.00	0.00000	384302.03	3770802.00	0.00000
384352.03	3770802.00	0.00000	384402.03	3770802.00	0.00000
384452.03	3770802.00	0.00000	384502.03	3770802.00	0.00000
384552.03	3770802.00	0.00000	384602.03	3770802.00	0.00000
384652.03	3770802.00	0.00000	384702.03	3770802.00	0.00000
382752.03	3770852.00	0.00000	382802.03	3770852.00	0.00000
382852.03	3770852.00	0.00000	382902.03	3770852.00	0.00000
382952.03	3770852.00	0.00000	383002.03	3770852.00	0.00001
383052.03	3770852.00	0.00001	383102.03	3770852.00	0.00001
383152.03	3770852.00	0.00001	383202.03	3770852.00	0.00001
*** AERMOD - VERSION 07026 ***					
*** Echo Park Lake Rehabilitation					
*** HRA - PM Diesel (Unmitigated)					

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**MODELOPTs:					
CONC					
DFAULT ELEV					
*** THE ANNUAL AVERAGE CONCENTRATION INCLUDING SOURCE(S):					
VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULIDLE ***					
HAULIDLE,					
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
** CONC OF DPM IN MICROGRAMS/M**3 **					
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
383252.03	3770852.00	0.00001	383302.03	3770852.00	0.00002
383352.03	3770852.00	0.00002	383402.03	3770852.00	0.00003
383452.03	3770852.00	0.00004	383502.03	3770852.00	0.00006
383552.03	3770852.00	0.00012	383602.03	3770852.00	0.00017
383652.03	3770852.00	0.00008	383702.03	3770852.00	0.00005
383752.03	3770852.00	0.00003	383802.03	3770852.00	0.00002
383852.03	3770852.00	0.00002	383902.03	3770852.00	0.00001
383952.03	3770852.00	0.00001	384002.03	3770852.00	0.00001
384052.03	3770852.00	0.00001	384102.03	3770852.00	0.00001
384152.03	3770852.00	0.00001	384202.03	3770852.00	0.00001
384252.03	3770852.00	0.00001	384302.03	3770852.00	0.00001
384352.03	3770852.00	0.00000	384402.03	3770852.00	0.00000
384452.03	3770852.00	0.00000	384502.03	3770852.00	0.00000
384552.03	3770852.00	0.00000	384602.03	3770852.00	0.00000
384652.03	3770852.00	0.00000	384702.03	3770852.00	0.00000
382752.03	3770902.00	0.00000	382802.03	3770902.00	0.00000
382852.03	3770902.00	0.00000	382902.03	3770902.00	0.00000
382952.03	3770902.00	0.00000	383002.03	3770902.00	0.00001
383052.03	3770902.00	0.00001	383102.03	3770902.00	0.00001
383152.03	3770902.00	0.00001	383202.03	3770902.00	0.00001
383252.03	3770902.00	0.00001	383302.03	3770902.00	0.00002
383352.03	3770902.00	0.00002	383402.03	3770902.00	0.00003
383452.03	3770902.00	0.00004	383502.03	3770902.00	0.00007
383552.03	3770902.00	0.00013	383602.03	3770902.00	0.00018
383652.03	3770902.00	0.00009	383702.03	3770902.00	0.00005
383752.03	3770902.00	0.00004	383802.03	3770902.00	0.00003
383852.03	3770902.00	0.00002	383902.03	3770902.00	0.00001
383952.03	3770902.00	0.00001	384002.03	3770902.00	0.00001
384052.03	3770902.00	0.00001	384102.03	3770902.00	0.00001
384152.03	3770902.00	0.00001	384202.03	3770902.00	0.00001
384252.03	3770902.00	0.00001	384302.03	3770902.00	0.00001
384352.03	3770902.00	0.00001	384402.03	3770902.00	0.00000
384452.03	3770902.00	0.00000	384502.03	3770902.00	0.00000
384552.03	3770902.00	0.00000	384602.03	3770902.00	0.00000
384652.03	3770902.00	0.00000	384702.03	3770902.00	0.00000
382752.03	3770952.00	0.00000	382802.03	3770952.00	0.00000
382852.03	3770952.00	0.00000	382902.03	3770952.00	0.00000
382952.03	3770952.00	0.00000	383002.03	3770952.00	0.00000
383052.03	3770952.00	0.00001	383102.03	3770952.00	0.00001
383152.03	3770952.00	0.00001	383202.03	3770952.00	0.00001
383252.03	3770952.00	0.00001	383302.03	3770952.00	0.00002
383352.03	3770952.00	0.00002	383402.03	3770952.00	0.00003
383452.03	3770952.00	0.00004	383502.03	3770952.00	0.00007
383552.03	3770952.00	0.00014	383602.03	3770952.00	0.00019
*** AERMOD - VERSION 07026 ***					
*** Echo Park Lake Rehabilitation					
*** HRA - PM Diesel (Unmitigated)					

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**MODELOPTs:					
CONC					
DFAULT ELEV					
*** THE ANNUAL AVERAGE CONCENTRATION INCLUDING SOURCE(S):					
VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULIDLE ***					
HAULIDLE,					
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
** CONC OF DPM IN MICROGRAMS/M**3 **					
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
383852.03	3770952.00	0.00010	383902.03	3770952.00	0.00006

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

383952.03	3770952.00	0.00004	384002.03	3770952.00	0.00003
384052.03	3770952.00	0.00002	384102.03	3770952.00	0.00002
384152.03	3770952.00	0.00001	384202.03	3770952.00	0.00001
384252.03	3770952.00	0.00001	384302.03	3770952.00	0.00001
384352.03	3770952.00	0.00001	384402.03	3770952.00	0.00001
384452.03	3770952.00	0.00000	384502.03	3770952.00	0.00000
384552.03	3770952.00	0.00000	384602.03	3770952.00	0.00000
384652.03	3770952.00	0.00000	384702.03	3770952.00	0.00000
382752.03	3771002.00	0.00000	382802.03	3771002.00	0.00000
382852.03	3771002.00	0.00000	382902.03	3771002.00	0.00000
382952.03	3771002.00	0.00000	383002.03	3771002.00	0.00000
383052.03	3771002.00	0.00001	383102.03	3771002.00	0.00001
383152.03	3771002.00	0.00001	383202.03	3771002.00	0.00001
383252.03	3771002.00	0.00001	383302.03	3771002.00	0.00001
383352.03	3771002.00	0.00002	383402.03	3771002.00	0.00003
383452.03	3771002.00	0.00004	383502.03	3771002.00	0.00007
383552.03	3771002.00	0.00015	383602.03	3771002.00	0.00026
383652.03	3771002.00	0.00012	383702.03	3771002.00	0.00007
383752.03	3771002.00	0.00005	383802.03	3771002.00	0.00003
383852.03	3771002.00	0.00003	383902.03	3771002.00	0.00002
383952.03	3771002.00	0.00002	384002.03	3771002.00	0.00001
384052.03	3771002.00	0.00001	384102.03	3771002.00	0.00001
384152.03	3771002.00	0.00001	384202.03	3771002.00	0.00001
384252.03	3771002.00	0.00001	384302.03	3771002.00	0.00001
384352.03	3771002.00	0.00001	384402.03	3771002.00	0.00000
384452.03	3771002.00	0.00000	384502.03	3771002.00	0.00000
384552.03	3771002.00	0.00000	384602.03	3771002.00	0.00000
384652.03	3771002.00	0.00000	384702.03	3771002.00	0.00000
382752.03	3771052.00	0.00000	382802.03	3771052.00	0.00000
382852.03	3771052.00	0.00000	382902.03	3771052.00	0.00000
382952.03	3771052.00	0.00000	383002.03	3771052.00	0.00000
383052.03	3771052.00	0.00000	383102.03	3771052.00	0.00001
383152.03	3771052.00	0.00001	383202.03	3771052.00	0.00001
383252.03	3771052.00	0.00001	383302.03	3771052.00	0.00001
383352.03	3771052.00	0.00002	383402.03	3771052.00	0.00003
383452.03	3771052.00	0.00004	383502.03	3771052.00	0.00007
383552.03	3771052.00	0.00015	383602.03	3771052.00	0.00015
383652.03	3771052.00	0.00009	383702.03	3771052.00	0.00006
383752.03	3771052.00	0.00004	383802.03	3771052.00	0.00003
383852.03	3771052.00	0.00002	383902.03	3771052.00	0.00002
383952.03	3771052.00	0.00001	384002.03	3771052.00	0.00001
384052.03	3771052.00	0.00000	384102.03	3771052.00	0.00000
384152.03	3771052.00	0.00000	384202.03	3771052.00	0.00000
384252.03	3771052.00	0.00000	384302.03	3771052.00	0.00000
384352.03	3771052.00	0.00000	384402.03	3771052.00	0.00000
384452.03	3771052.00	0.00000	384502.03	3771052.00	0.00000
384552.03	3771052.00	0.00000	384602.03	3771052.00	0.00000
384652.03	3771052.00	0.00000	384702.03	3771052.00	0.00000
382752.03	3771102.00	0.00000	382802.03	3771102.00	0.00000
382852.03	3771102.00	0.00000	382902.03	3771102.00	0.00000
382952.03	3771102.00	0.00000	383002.03	3771102.00	0.00000
383052.03	3771102.00	0.00001	383102.03	3771102.00	0.00001
383152.03	3771102.00	0.00001	383202.03	3771102.00	0.00001
383252.03	3771102.00	0.00001	383302.03	3771102.00	0.00002
383352.03	3771102.00	0.00002	383402.03	3771102.00	0.00004
383452.03	3771102.00	0.00006	383502.03	3771102.00	0.00014
383552.03	3771102.00	0.00023	383602.03	3771102.00	0.00011
383652.03	3771102.00	0.00007	383702.03	3771102.00	0.00005
383752.03	3771102.00	0.00003	383802.03	3771102.00	0.00003
383852.03	3771102.00	0.00002	383902.03	3771102.00	0.00002
383952.03	3771102.00	0.00001	384002.03	3771102.00	0.00001
384052.03	3771102.00	0.00001	384102.03	3771102.00	0.00001
384152.03	3771102.00	0.00001	384202.03	3771102.00	0.00001
384252.03	3771102.00	0.00001	384302.03	3771102.00	0.00001
384352.03	3771102.00	0.00001	384402.03	3771102.00	0.00001
384452.03	3771102.00	0.00001	384502.03	3771102.00	0.00001
384552.03	3771102.00	0.00000	384602.03	3771102.00	0.00000
384652.03	3771102.00	0.00000	384702.03	3771102.00	0.00000
382752.03	3771152.00	0.00000	382802.03	3771152.00	0.00000
382852.03	3771152.00	0.00000	382902.03	3771152.00	0.00000
382952.03	3771152.00	0.00000	383002.03	3771152.00	0.00000
383052.03	3771152.00	0.00000	383102.03	3771152.00	0.00000
383152.03	3771152.00	0.00001	383202.03	3771152.00	0.00001
383252.03	3771152.00	0.00001	383302.03	3771152.00	0.00001
383352.03	3771152.00	0.00001	383402.03	3771152.00	0.00002
383452.03	3771152.00	0.00003	383502.03	3771152.00	0.00006
383552.03	3771152.00	0.00013	383602.03	3771152.00	0.00014
383652.03	3771152.00	0.00008	383702.03	3771152.00	0.00005
383752.03	3771152.00	0.00004	383802.03	3771152.00	0.00003
383852.03	3771152.00	0.00002	383902.03	3771152.00	0.00002
383952.03	3771152.00	0.00001	384002.03	3771152.00	0.00001
384052.03	3771152.00	0.00001	384102.03	3771152.00	0.00001
384152.03	3771152.00	0.00001	384202.03	3771152.00	0.00001
384252.03	3771152.00	0.00001	384302.03	3771152.00	0.00001
384352.03	3771152.00	0.00001	384402.03	3771152.00	0.00001
384452.03	3771152.00	0.00001	384502.03	3771152.00	0.00001
384552.03	3771152.00	0.00000	384602.03	3771152.00	0.00000
384652.03	3771152.00	0.00000	384702.03	3771152.00	0.00000
382752.03	3771202.00	0.00000	382802.03	3771202.00	0.00000
382852.03	3771202.00	0.00000	382902.03	3771202.00	0.00000
382952.03	3771202.00	0.00000	383002.03	3771202.00	0.00000
383052.03	3771202.00	0.00000	383102.03	3771202.00	0.00000
383152.03	3771202.00	0.00000	383202.03	3771202.00	0.00001
383252.03	3771202.00	0.00001	383302.03	3771202.00	0.00001
383352.03	3771202.00	0.00001	383402.03	3771202.00	0.00002
383452.03	3771202.00	0.00003	383502.03	3771202.00	0.00005

*** AERMOD - VERSION 07026 ***

*** Echo Park Lake Rehabilitation

*** HRA - PM Diesel (Unmitigated)

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*** THE ANNUAL AVERAGE CONCENTRATION INCLUDING SOURCE(S):

VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULIDLE ***

HAULIDLE,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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382852.03	3771202.00	0.00000	382902.03	3771202.00	0.00000
382952.03	3771202.00	0.00000	383002.03	3771202.00	0.00000
383052.03	3771202.00	0.00000	383102.03	3771202.00	0.00000
383152.03	3771202.00	0.00000	383202.03	3771202.00	0.00001
383252.03	3771202.00	0.00001	383302.03	3771202.00	0.00001
383352.03	3771202.00	0.00001	383402.03	3771202.00	0.00002
383452.03	3771202.00	0.00003	383502.03	3771202.00	0.00005

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

383552.03	3771202.00	0.00011	383852.03	3771202.00	0.00038				
383902.03	3771202.00	0.00016	383952.03	3771202.00	0.00009				
384002.03	3771202.00	0.00006	384052.03	3771202.00	0.00004				
384102.03	3771202.00	0.00003	384152.03	3771202.00	0.00002				
384202.03	3771202.00	0.00002	384252.03	3771202.00	0.00002				
384302.03	3771202.00	0.00001	384352.03	3771202.00	0.00001				
384402.03	3771202.00	0.00001	384452.03	3771202.00	0.00001				
384502.03	3771202.00	0.00001	384552.03	3771202.00	0.00001				
384602.03	3771202.00	0.00001	384652.03	3771202.00	0.00000				
384702.03	3771202.00	0.00000	382752.03	3771252.00	0.00000				
382802.03	3771252.00	0.00000	382852.03	3771252.00	0.00000				
382902.03	3771252.00	0.00000	382952.03	3771252.00	0.00000				
383002.03	3771252.00	0.00000	383052.03	3771252.00	0.00000				
383102.03	3771252.00	0.00000	383152.03	3771252.00	0.00000				
383202.03	3771252.00	0.00001	383252.03	3771252.00	0.00001				
383302.03	3771252.00	0.00001	383352.03	3771252.00	0.00001				
383402.03	3771252.00	0.00001	383452.03	3771252.00	0.00002				
383502.03	3771252.00	0.00004	383552.03	3771252.00	0.00009				
383752.03	3771252.00	0.00050	383802.03	3771252.00	0.00035				
383852.03	3771252.00	0.00022	383902.03	3771252.00	0.00013				
383952.03	3771252.00	0.00008	384002.03	3771252.00	0.00006				
384052.03	3771252.00	0.00004	384102.03	3771252.00	0.00003				
384152.03	3771252.00	0.00002	384202.03	3771252.00	0.00002				
384252.03	3771252.00	0.00002	384302.03	3771252.00	0.00001				
384352.03	3771252.00	0.00001	384402.03	3771252.00	0.00001				
384452.03	3771252.00	0.00001	384502.03	3771252.00	0.00001				
384552.03	3771252.00	0.00001	384602.03	3771252.00	0.00001				
384652.03	3771252.00	0.00000	384702.03	3771252.00	0.00000				
382752.03	3771302.00	0.00000	382802.03	3771302.00	0.00000				
382852.03	3771302.00	0.00000	382902.03	3771302.00	0.00000				
382952.03	3771302.00	0.00000	383002.03	3771302.00	0.00000				
383052.03	3771302.00	0.00000	383102.03	3771302.00	0.00000				
383152.03	3771302.00	0.00000	383202.03	3771302.00	0.00000				
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	04/20/10				
		*** HRA - PM Diesel (Unmitigated)		***	11:23:25				
**MODELOPTs:				PAGE 72					
CONC									
DFAULT ELEV									
*** THE ANNUAL AVERAGE CONCENTRATION INCLUDING SOURCE(S):									
VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULIDLE ***									
HAULIDLE,									
*** DISCRETE CARTESIAN RECEPTOR POINTS ***									
** CONC OF DPM IN MICROGRAMS/M**3									
**									
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC				
383252.03	3771302.00	0.00001	383302.03	3771302.00	0.00001				
383352.03	3771302.00	0.00001	383402.03	3771302.00	0.00001				
383452.03	3771302.00	0.00002	383502.03	3771302.00	0.00003				
383552.03	3771302.00	0.00006	383702.03	3771302.00	0.00032				
383752.03	3771302.00	0.00025	383802.03	3771302.00	0.00020				
383852.03	3771302.00	0.00015	383902.03	3771302.00	0.00010				
383952.03	3771302.00	0.00007	384002.03	3771302.00	0.00005				
384052.03	3771302.00	0.00004	384102.03	3771302.00	0.00003				
384152.03	3771302.00	0.00002	384202.03	3771302.00	0.00002				
384252.03	3771302.00	0.00002	384302.03	3771302.00	0.00001				
384352.03	3771302.00	0.00001	384402.03	3771302.00	0.00001				
384452.03	3771302.00	0.00001	384502.03	3771302.00	0.00001				
384552.03	3771302.00	0.00001	384602.03	3771302.00	0.00001				
384652.03	3771302.00	0.00001	384702.03	3771302.00	0.00000				
382752.03	3771352.00	0.00000	382802.03	3771352.00	0.00000				
382852.03	3771352.00	0.00000	382902.03	3771352.00	0.00000				
382952.03	3771352.00	0.00000	383002.03	3771352.00	0.00000				
383052.03	3771352.00	0.00000	383102.03	3771352.00	0.00000				
383152.03	3771352.00	0.00000	383202.03	3771352.00	0.00000				
383252.03	3771352.00	0.00000	383302.03	3771352.00	0.00001				
383352.03	3771352.00	0.00001	383402.03	3771352.00	0.00001				
383452.03	3771352.00	0.00001	383502.03	3771352.00	0.00002				
383552.03	3771352.00	0.00004	383602.03	3771352.00	0.00012				
383652.03	3771352.00	0.00020	383702.03	3771352.00	0.00017				
383752.03	3771352.00	0.00015	383802.03	3771352.00	0.00013				
383852.03	3771352.00	0.00010	383902.03	3771352.00	0.00008				
383952.03	3771352.00	0.00006	384002.03	3771352.00	0.00005				
384052.03	3771352.00	0.00004	384102.03	3771352.00	0.00003				
384152.03	3771352.00	0.00002	384202.03	3771352.00	0.00002				
384252.03	3771352.00	0.00002	384302.03	3771352.00	0.00001				
384352.03	3771352.00	0.00001	384402.03	3771352.00	0.00001				
384452.03	3771352.00	0.00001	384502.03	3771352.00	0.00001				
384552.03	3771352.00	0.00001	384602.03	3771352.00	0.00001				
384652.03	3771352.00	0.00000	384702.03	3771352.00	0.00000				
382752.03	3771402.00	0.00000	382802.03	3771402.00	0.00000				
382852.03	3771402.00	0.00000	382902.03	3771402.00	0.00000				
382952.03	3771402.00	0.00000	383002.03	3771402.00	0.00000				
383052.03	3771402.00	0.00000	383102.03	3771402.00	0.00000				
383152.03	3771402.00	0.00000	383202.03	3771402.00	0.00000				
383252.03	3771402.00	0.00000	383302.03	3771402.00	0.00000				
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	04/20/10				
		*** HRA - PM Diesel (Unmitigated)		***	11:23:25				
**MODELOPTs:				PAGE 73					
CONC									
DFAULT ELEV									
*** THE ANNUAL AVERAGE CONCENTRATION INCLUDING SOURCE(S):									
VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULIDLE ***									
HAULIDLE,									
*** DISCRETE CARTESIAN RECEPTOR POINTS ***									
** CONC OF DPM IN MICROGRAMS/M**3									
**									
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC				
383352.03	3771402.00	0.00001	383402.03	3771402.00	0.00001				
383452.03	3771402.00	0.00001	383502.03	3771402.00	0.00002				
383552.03	3771402.00	0.00003	383602.03	3771402.00	0.00006				
383652.03	3771402.00	0.00010	383702.03	3771402.00	0.00010				
383752.03	3771402.00	0.00010	383802.03	3771402.00	0.00009				
383852.03	3771402.00	0.00008	383902.03	3771402.00	0.00006				
383952.03	3771402.00	0.00005	384002.03	3771402.00	0.00004				
384052.03	3771402.00	0.00003	384102.03	3771402.00	0.00003				
384152.03	3771402.00	0.00002	384202.03	3771402.00	0.00002				
384252.03	3771402.00	0.00002	384302.03	3771402.00	0.00001				
384352.03	3771402.00	0.00001	384402.03	3771402.00	0.00001				
384452.03	3771402.00	0.00001	384502.03	3771402.00	0.00001				
384552.03	3771402.00	0.00001	384602.03	3771402.00	0.00001				

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

384652.03	3771402.00	0.00001	384702.03	3771402.00	0.00000				
382752.03	3771452.00	0.00000	382802.03	3771452.00	0.00000				
382852.03	3771452.00	0.00000	382902.03	3771452.00	0.00000				
382952.03	3771452.00	0.00000	383002.03	3771452.00	0.00000				
383052.03	3771452.00	0.00000	383102.03	3771452.00	0.00000				
383152.03	3771452.00	0.00000	383202.03	3771452.00	0.00000				
383252.03	3771452.00	0.00000	383302.03	3771452.00	0.00000				
383352.03	3771452.00	0.00001	383402.03	3771452.00	0.00001				
383452.03	3771452.00	0.00001	383502.03	3771452.00	0.00002				
383552.03	3771452.00	0.00003	383602.03	3771452.00	0.00004				
383652.03	3771452.00	0.00006	383702.03	3771452.00	0.00007				
383752.03	3771452.00	0.00007	383802.03	3771452.00	0.00007				
383852.03	3771452.00	0.00006	383902.03	3771452.00	0.00005				
383952.03	3771452.00	0.00004	384002.03	3771452.00	0.00003				
384052.03	3771452.00	0.00003	384102.03	3771452.00	0.00002				
384152.03	3771452.00	0.00002	384202.03	3771452.00	0.00002				
384252.03	3771452.00	0.00001	384302.03	3771452.00	0.00001				
384352.03	3771452.00	0.00001	384402.03	3771452.00	0.00001				
384452.03	3771452.00	0.00001	384502.03	3771452.00	0.00001				
384552.03	3771452.00	0.00001	384602.03	3771452.00	0.00001				
384652.03	3771452.00	0.00001	384702.03	3771452.00	0.00000				
382752.03	3771502.00	0.00000	382802.03	3771502.00	0.00000				
382852.03	3771502.00	0.00000	382902.03	3771502.00	0.00000				
382952.03	3771502.00	0.00000	383002.03	3771502.00	0.00000				
383052.03	3771502.00	0.00000	383102.03	3771502.00	0.00000				
383152.03	3771502.00	0.00000	383202.03	3771502.00	0.00000				
383252.03	3771502.00	0.00000	383302.03	3771502.00	0.00000				
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***					
*** HRA - PM Diesel (Unmitigated)				***					
04/20/10				11:23:25					
PAGE 74									
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULIDLE ***									
INCLUDING SOURCE(S): HAULIDLE,									
*** DISCRETE CARTESIAN RECEPTOR POINTS ***									
** CONC OF DPM IN MICROGRAMS/M**3 **									
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC				
383352.03	3771502.00	0.00000	383402.03	3771502.00	0.00001				
383452.03	3771502.00	0.00001	383502.03	3771502.00	0.00001				
383552.03	3771502.00	0.00002	383602.03	3771502.00	0.00003				
383652.03	3771502.00	0.00004	383702.03	3771502.00	0.00005				
383752.03	3771502.00	0.00005	383802.03	3771502.00	0.00005				
383852.03	3771502.00	0.00005	383902.03	3771502.00	0.00004				
383952.03	3771502.00	0.00004	384002.03	3771502.00	0.00003				
384052.03	3771502.00	0.00003	384102.03	3771502.00	0.00002				
384152.03	3771502.00	0.00002	384202.03	3771502.00	0.00002				
384252.03	3771502.00	0.00001	384302.03	3771502.00	0.00001				
384352.03	3771502.00	0.00001	384402.03	3771502.00	0.00001				
384452.03	3771502.00	0.00001	384502.03	3771502.00	0.00001				
384552.03	3771502.00	0.00001	384602.03	3771502.00	0.00001				
384652.03	3771502.00	0.00001	384702.03	3771502.00	0.00000				
382752.03	3771552.00	0.00000	382802.03	3771552.00	0.00000				
382852.03	3771552.00	0.00000	382902.03	3771552.00	0.00000				
382952.03	3771552.00	0.00000	383002.03	3771552.00	0.00000				
383052.03	3771552.00	0.00000	383102.03	3771552.00	0.00000				
383152.03	3771552.00	0.00000	383202.03	3771552.00	0.00000				
383252.03	3771552.00	0.00000	383302.03	3771552.00	0.00000				
383352.03	3771552.00	0.00000	383402.03	3771552.00	0.00000				
383452.03	3771552.00	0.00000	383502.03	3771552.00	0.00001				
383552.03	3771552.00	0.00001	383602.03	3771552.00	0.00001				
383652.03	3771552.00	0.00002	383702.03	3771552.00	0.00002				
383752.03	3771552.00	0.00003	383802.03	3771552.00	0.00004				
383852.03	3771552.00	0.00004	383902.03	3771552.00	0.00003				
383952.03	3771552.00	0.00003	384002.03	3771552.00	0.00003				
384052.03	3771552.00	0.00002	384102.03	3771552.00	0.00002				
384152.03	3771552.00	0.00001	384202.03	3771552.00	0.00001				
384252.03	3771552.00	0.00001	384302.03	3771552.00	0.00001				
384352.03	3771552.00	0.00001	384402.03	3771552.00	0.00001				
384452.03	3771552.00	0.00001	384502.03	3771552.00	0.00001				
384552.03	3771552.00	0.00001	384602.03	3771552.00	0.00001				
384652.03	3771552.00	0.00001	384702.03	3771552.00	0.00000				
382752.03	3771602.00	0.00000	382802.03	3771602.00	0.00000				
382852.03	3771602.00	0.00000	382902.03	3771602.00	0.00000				
382952.03	3771602.00	0.00000	383002.03	3771602.00	0.00000				
383052.03	3771602.00	0.00000	383102.03	3771602.00	0.00000				
383152.03	3771602.00	0.00000	383202.03	3771602.00	0.00000				
383252.03	3771602.00	0.00000	383302.03	3771602.00	0.00000				
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***					
*** HRA - PM Diesel (Unmitigated)				***					
04/20/10				11:23:25					
PAGE 75									
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULIDLE ***									
INCLUDING SOURCE(S): HAULIDLE,									
*** DISCRETE CARTESIAN RECEPTOR POINTS ***									
** CONC OF DPM IN MICROGRAMS/M**3 **									
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC				
383352.03	3771602.00	0.00000	383402.03	3771602.00	0.00001				
383452.03	3771602.00	0.00001	383502.03	3771602.00	0.00001				
383552.03	3771602.00	0.00001	383602.03	3771602.00	0.00002				
383652.03	3771602.00	0.00002	383702.03	3771602.00	0.00003				
383752.03	3771602.00	0.00003	383802.03	3771602.00	0.00003				
383852.03	3771602.00	0.00003	383902.03	3771602.00	0.00003				
383952.03	3771602.00	0.00003	384002.03	3771602.00	0.00002				
384052.03	3771602.00	0.00002	384102.03	3771602.00	0.00002				
384152.03	3771602.00	0.00001	384202.03	3771602.00	0.00001				
384252.03	3771602.00	0.00001	384302.03	3771602.00	0.00001				
384352.03	3771602.00	0.00001	384402.03	3771602.00	0.00001				
384452.03	3771602.00	0.00001	384502.03	3771602.00	0.00001				
384552.03	3771602.00	0.00001	384602.03	3771602.00	0.00001				
384652.03	3771602.00	0.00001	384702.03	3771602.00	0.00000				
382752.03	3771652.00	0.00000	382802.03	3771652.00	0.00000				
382852.03	3771652.00	0.00000	382902.03	3771652.00	0.00000				
382952.03	3771652.00	0.00000	383002.03	3771652.00	0.00000				
383052.03	3771652.00	0.00000	383102.03	3771652.00	0.00000				
383152.03	3771652.00	0.00000	383202.03	3771652.00	0.00000				

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

383252.03	3771652.00	0.00000	383302.03	3771652.00	0.00000				
383352.03	3771652.00	0.00000	383402.03	3771652.00	0.00001				
383452.03	3771652.00	0.00001	383502.03	3771652.00	0.00001				
383552.03	3771652.00	0.00001	383602.03	3771652.00	0.00002				
383652.03	3771652.00	0.00002	383702.03	3771652.00	0.00002				
383752.03	3771652.00	0.00003	383802.03	3771652.00	0.00003				
383852.03	3771652.00	0.00003	383902.03	3771652.00	0.00002				
383952.03	3771652.00	0.00002	384002.03	3771652.00	0.00002				
384052.03	3771652.00	0.00002	384102.03	3771652.00	0.00002				
384152.03	3771652.00	0.00001	384202.03	3771652.00	0.00001				
384252.03	3771652.00	0.00001	384302.03	3771652.00	0.00001				
384352.03	3771652.00	0.00001	384402.03	3771652.00	0.00001				
384452.03	3771652.00	0.00001	384502.03	3771652.00	0.00001				
384552.03	3771652.00	0.00001	384602.03	3771652.00	0.00001				
384652.03	3771652.00	0.00000	384702.03	3771652.00	0.00000				
382752.03	3771702.00	0.00000	382802.03	3771702.00	0.00000				
382852.03	3771702.00	0.00000	382902.03	3771702.00	0.00000				
382952.03	3771702.00	0.00000	383002.03	3771702.00	0.00000				
383052.03	3771702.00	0.00000	383102.03	3771702.00	0.00000				
383152.03	3771702.00	0.00000	383202.03	3771702.00	0.00000				
383252.03	3771702.00	0.00000	383302.03	3771702.00	0.00000				
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	04/20/10				
MODELOPTs:		* HRA - PM Diesel (Unmitigated)		***	11:23:25				
CONC		DFAULT ELEV		PAGE 76					
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULIDLE ***									
INCLUDING SOURCE(S): HAULIDLE,									
*** DISCRETE CARTESIAN RECEPTOR POINTS ***									
** CONC OF DPM IN MICROGRAMS/M**3 **									
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC				
383352.03	3771702.00	0.00000	383402.03	3771702.00	0.00000				
383452.03	3771702.00	0.00001	383502.03	3771702.00	0.00001				
383552.03	3771702.00	0.00001	383602.03	3771702.00	0.00001				
383652.03	3771702.00	0.00002	383702.03	3771702.00	0.00002				
383752.03	3771702.00	0.00002	383802.03	3771702.00	0.00002				
383852.03	3771702.00	0.00002	383902.03	3771702.00	0.00002				
383952.03	3771702.00	0.00002	384002.03	3771702.00	0.00002				
384052.03	3771702.00	0.00002	384102.03	3771702.00	0.00001				
384152.03	3771702.00	0.00001	384202.03	3771702.00	0.00001				
384252.03	3771702.00	0.00001	384302.03	3771702.00	0.00001				
384352.03	3771702.00	0.00001	384402.03	3771702.00	0.00001				
384452.03	3771702.00	0.00001	384502.03	3771702.00	0.00001				
384552.03	3771702.00	0.00001	384602.03	3771702.00	0.00001				
384652.03	3771702.00	0.00000	384702.03	3771702.00	0.00000				
382752.03	3771752.00	0.00000	382802.03	3771752.00	0.00000				
382852.03	3771752.00	0.00000	382902.03	3771752.00	0.00000				
382952.03	3771752.00	0.00000	383002.03	3771752.00	0.00000				
383052.03	3771752.00	0.00000	383102.03	3771752.00	0.00000				
383152.03	3771752.00	0.00000	383202.03	3771752.00	0.00000				
383252.03	3771752.00	0.00000	383302.03	3771752.00	0.00000				
383352.03	3771752.00	0.00000	383402.03	3771752.00	0.00000				
383452.03	3771752.00	0.00001	383502.03	3771752.00	0.00001				
383552.03	3771752.00	0.00001	383602.03	3771752.00	0.00001				
383652.03	3771752.00	0.00001	383702.03	3771752.00	0.00002				
383752.03	3771752.00	0.00002	383802.03	3771752.00	0.00002				
383852.03	3771752.00	0.00002	383902.03	3771752.00	0.00002				
383952.03	3771752.00	0.00002	384002.03	3771752.00	0.00002				
384052.03	3771752.00	0.00001	384102.03	3771752.00	0.00001				
384152.03	3771752.00	0.00001	384202.03	3771752.00	0.00001				
384252.03	3771752.00	0.00001	384302.03	3771752.00	0.00001				
384352.03	3771752.00	0.00001	384402.03	3771752.00	0.00001				
384452.03	3771752.00	0.00001	384502.03	3771752.00	0.00001				
384552.03	3771752.00	0.00001	384602.03	3771752.00	0.00001				
384652.03	3771752.00	0.00000	384702.03	3771752.00	0.00000				
382752.03	3771802.00	0.00000	382802.03	3771802.00	0.00000				
382852.03	3771802.00	0.00000	382902.03	3771802.00	0.00000				
382952.03	3771802.00	0.00000	383002.03	3771802.00	0.00000				
383052.03	3771802.00	0.00000	383102.03	3771802.00	0.00000				
383152.03	3771802.00	0.00000	383202.03	3771802.00	0.00000				
383252.03	3771802.00	0.00000	383302.03	3771802.00	0.00000				
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	04/20/10				
MODELOPTs:		* HRA - PM Diesel (Unmitigated)		***	11:23:25				
CONC		DFAULT ELEV		PAGE 77					
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULIDLE ***									
INCLUDING SOURCE(S): HAULIDLE,									
*** DISCRETE CARTESIAN RECEPTOR POINTS ***									
** CONC OF DPM IN MICROGRAMS/M**3 **									
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC				
383352.03	3771802.00	0.00000	383402.03	3771802.00	0.00000				
383452.03	3771802.00	0.00001	383502.03	3771802.00	0.00001				
383552.03	3771802.00	0.00001	383602.03	3771802.00	0.00001				
383652.03	3771802.00	0.00001	383702.03	3771802.00	0.00001				
383752.03	3771802.00	0.00002	383802.03	3771802.00	0.00002				
383852.03	3771802.00	0.00002	383902.03	3771802.00	0.00002				
383952.03	3771802.00	0.00002	384002.03	3771802.00	0.00001				
384052.03	3771802.00	0.00001	384102.03	3771802.00	0.00001				
384152.03	3771802.00	0.00001	384202.03	3771802.00	0.00001				
384252.03	3771802.00	0.00001	384302.03	3771802.00	0.00001				
384352.03	3771802.00	0.00001	384402.03	3771802.00	0.00001				
384452.03	3771802.00	0.00001	384502.03	3771802.00	0.00001				
384552.03	3771802.00	0.00001	384602.03	3771802.00	0.00000				
384652.03	3771802.00	0.00000	384702.03	3771802.00	0.00000				
382752.03	3771852.00	0.00000	382802.03	3771852.00	0.00000				
382852.03	3771852.00	0.00000	382902.03	3771852.00	0.00000				
382952.03	3771852.00	0.00000	383002.03	3771852.00	0.00000				
383052.03	3771852.00	0.00000	383102.03	3771852.00	0.00000				
383152.03	3771852.00	0.00000	383202.03	3771852.00	0.00000				
383252.03	3771852.00	0.00000	383302.03	3771852.00	0.00000				
383352.03	3771852.00	0.00000	383402.03	3771852.00	0.00000				
383452.03	3771852.00	0.00000	383502.03	3771852.00	0.00001				
383552.03	3771852.00	0.00001	383602.03	3771852.00	0.00001				
383652.03	3771852.00	0.00001	383702.03	3771852.00	0.00001				
383752.03	3771852.00	0.00001	383802.03	3771852.00	0.00001				

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

383852.03	3771852.00	0.00001	383902.03	3771852.00	0.00001				
383952.03	3771852.00	0.00001	384002.03	3771852.00	0.00001				
384052.03	3771852.00	0.00001	384102.03	3771852.00	0.00001				
384152.03	3771852.00	0.00001	384202.03	3771852.00	0.00001				
384252.03	3771852.00	0.00001	384302.03	3771852.00	0.00001				
384352.03	3771852.00	0.00001	384402.03	3771852.00	0.00001				
384452.03	3771852.00	0.00001	384502.03	3771852.00	0.00001				
384552.03	3771852.00	0.00000	384602.03	3771852.00	0.00000				
384652.03	3771852.00	0.00000	384702.03	3771852.00	0.00000				
382752.03	3771902.00	0.00000	382802.03	3771902.00	0.00000				
382852.03	3771902.00	0.00000	382902.03	3771902.00	0.00000				
382952.03	3771902.00	0.00000	383002.03	3771902.00	0.00000				
383052.03	3771902.00	0.00000	383102.03	3771902.00	0.00000				
383152.03	3771902.00	0.00000	383202.03	3771902.00	0.00000				
383252.03	3771902.00	0.00000	383302.03	3771902.00	0.00000				
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***					
		*** HRA - PM Diesel (Unmitigated)		***					
**MODELOPTs:				04/20/10					
CONC				11:23:25					
				PAGE 78					
DFAULT ELEV									
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULIDLE ***									
INCLUDING SOURCE(S): HAULIDLE,									
*** DISCRETE CARTESIAN RECEPTOR POINTS ***									
** CONC OF DPM IN MICROGRAMS/M**3 **									
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC				
383352.03	3771902.00	0.00000	383402.03	3771902.00	0.00000				
383452.03	3771902.00	0.00000	383502.03	3771902.00	0.00001				
383552.03	3771902.00	0.00001	383602.03	3771902.00	0.00001				
383652.03	3771902.00	0.00001	383702.03	3771902.00	0.00001				
383752.03	3771902.00	0.00001	383802.03	3771902.00	0.00001				
383852.03	3771902.00	0.00001	383902.03	3771902.00	0.00001				
383952.03	3771902.00	0.00001	384002.03	3771902.00	0.00001				
384052.03	3771902.00	0.00001	384102.03	3771902.00	0.00001				
384152.03	3771902.00	0.00001	384202.03	3771902.00	0.00001				
384252.03	3771902.00	0.00001	384302.03	3771902.00	0.00001				
384352.03	3771902.00	0.00001	384402.03	3771902.00	0.00001				
384452.03	3771902.00	0.00001	384502.03	3771902.00	0.00001				
384552.03	3771902.00	0.00000	384602.03	3771902.00	0.00000				
384652.03	3771902.00	0.00000	384702.03	3771902.00	0.00000				
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***					
		*** HRA - PM Diesel (Unmitigated)		***					
**MODELOPTs:				04/20/10					
CONC				11:23:25					
				PAGE 79					
DFAULT ELEV									
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULROUT ***									
INCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, L0000029, L0000030, . . . ,									
*** DISCRETE CARTESIAN RECEPTOR POINTS ***									
** CONC OF DPM IN MICROGRAMS/M**3 **									
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC				
383660.97	3771329.50	0.00105	383792.56	3770989.25	0.03631				
383667.38	3770537.25	0.01448	382752.03	3769952.00	0.00022				
382802.03	3769952.00	0.00024	382852.03	3769952.00	0.00026				
382902.03	3769952.00	0.00029	382952.03	3769952.00	0.00032				
383002.03	3769952.00	0.00035	383052.03	3769952.00	0.00037				
383102.03	3769952.00	0.00039	383152.03	3769952.00	0.00041				
383202.03	3769952.00	0.00041	383252.03	3769952.00	0.00039				
383302.03	3769952.00	0.00036	383352.03	3769952.00	0.00033				
383402.03	3769952.00	0.00029	383452.03	3769952.00	0.00025				
383502.03	3769952.00	0.00022	383552.03	3769952.00	0.00020				
383602.03	3769952.00	0.00019	383652.03	3769952.00	0.00018				
383702.03	3769952.00	0.00017	383752.03	3769952.00	0.00016				
383802.03	3769952.00	0.00016	383852.03	3769952.00	0.00015				
383902.03	3769952.00	0.00014	383952.03	3769952.00	0.00014				
384002.03	3769952.00	0.00013	384052.03	3769952.00	0.00012				
384102.03	3769952.00	0.00011	384152.03	3769952.00	0.00011				
384202.03	3769952.00	0.00010	384252.03	3769952.00	0.00009				
384302.03	3769952.00	0.00009	384352.03	3769952.00	0.00008				
384402.03	3769952.00	0.00008	384452.03	3769952.00	0.00007				
384502.03	3769952.00	0.00007	384552.03	3769952.00	0.00007				
384602.03	3769952.00	0.00006	384652.03	3769952.00	0.00006				
384702.03	3769952.00	0.00006	382752.03	3770002.00	0.00022				
382802.03	3770002.00	0.00024	382852.03	3770002.00	0.00026				
382902.03	3770002.00	0.00029	382952.03	3770002.00	0.00033				
383002.03	3770002.00	0.00036	383052.03	3770002.00	0.00040				
383102.03	3770002.00	0.00043	383152.03	3770002.00	0.00045				
383202.03	3770002.00	0.00046	383252.03	3770002.00	0.00046				
383302.03	3770002.00	0.00043	383352.03	3770002.00	0.00039				
383402.03	3770002.00	0.00035	383452.03	3770002.00	0.00031				
383502.03	3770002.00	0.00027	383552.03	3770002.00	0.00024				
383602.03	3770002.00	0.00022	383652.03	3770002.00	0.00021				
383702.03	3770002.00	0.00020	383752.03	3770002.00	0.00019				
383802.03	3770002.00	0.00018	383852.03	3770002.00	0.00017				
383902.03	3770002.00	0.00016	383952.03	3770002.00	0.00016				
384002.03	3770002.00	0.00015	384052.03	3770002.00	0.00014				
384102.03	3770002.00	0.00013	384152.03	3770002.00	0.00012				
384202.03	3770002.00	0.00011	384252.03	3770002.00	0.00010				
384302.03	3770002.00	0.00010	384352.03	3770002.00	0.00009				
384402.03	3770002.00	0.00008	384452.03	3770002.00	0.00008				
384502.03	3770002.00	0.00007	384552.03	3770002.00	0.00007				
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***					
		*** HRA - PM Diesel (Unmitigated)		***					
**MODELOPTs:				04/20/10					
CONC				11:23:25					
				PAGE 80					
DFAULT ELEV									
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULROUT ***									
INCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, L0000029, L0000030, . . . ,									
*** DISCRETE CARTESIAN RECEPTOR POINTS ***									
** CONC OF DPM IN MICROGRAMS/M**3 **									
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC				

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

384602.03	3770002.00	0.00007	384652.03	3770002.00	0.00006				
384702.03	3770002.00	0.00006	382752.03	3770052.00	0.00021				
382802.03	3770052.00	0.00024	382852.03	3770052.00	0.00026				
382902.03	3770052.00	0.00030	382952.03	3770052.00	0.00033				
383002.03	3770052.00	0.00037	383052.03	3770052.00	0.00042				
383102.03	3770052.00	0.00046	383152.03	3770052.00	0.00050				
383202.03	3770052.00	0.00053	383252.03	3770052.00	0.00053				
383302.03	3770052.00	0.00052	383352.03	3770052.00	0.00048				
383402.03	3770052.00	0.00043	383452.03	3770052.00	0.00038				
383502.03	3770052.00	0.00033	383552.03	3770052.00	0.00030				
383602.03	3770052.00	0.00027	383652.03	3770052.00	0.00025				
383702.03	3770052.00	0.00024	383752.03	3770052.00	0.00023				
383802.03	3770052.00	0.00021	383852.03	3770052.00	0.00020				
383902.03	3770052.00	0.00019	383952.03	3770052.00	0.00018				
384002.03	3770052.00	0.00017	384052.03	3770052.00	0.00015				
384102.03	3770052.00	0.00014	384152.03	3770052.00	0.00013				
384202.03	3770052.00	0.00012	384252.03	3770052.00	0.00011				
384302.03	3770052.00	0.00010	384352.03	3770052.00	0.00010				
384402.03	3770052.00	0.00009	384452.03	3770052.00	0.00008				
384502.03	3770052.00	0.00008	384552.03	3770052.00	0.00007				
384602.03	3770052.00	0.00007	384652.03	3770052.00	0.00007				
384702.03	3770052.00	0.00006	382752.03	3770102.00	0.00021				
382802.03	3770102.00	0.00024	382852.03	3770102.00	0.00026				
382902.03	3770102.00	0.00030	382952.03	3770102.00	0.00034				
383002.03	3770102.00	0.00038	383052.03	3770102.00	0.00043				
383102.03	3770102.00	0.00049	383152.03	3770102.00	0.00055				
383202.03	3770102.00	0.00059	383252.03	3770102.00	0.00062				
383302.03	3770102.00	0.00062	383352.03	3770102.00	0.00059				
383402.03	3770102.00	0.00054	383452.03	3770102.00	0.00048				
383502.03	3770102.00	0.00042	383552.03	3770102.00	0.00037				
383602.03	3770102.00	0.00033	383652.03	3770102.00	0.00031				
383702.03	3770102.00	0.00029	383752.03	3770102.00	0.00027				
383802.03	3770102.00	0.00026	383852.03	3770102.00	0.00024				
383902.03	3770102.00	0.00022	383952.03	3770102.00	0.00021				
384002.03	3770102.00	0.00019	384052.03	3770102.00	0.00017				
384102.03	3770102.00	0.00016	384152.03	3770102.00	0.00015				
384202.03	3770102.00	0.00013	384252.03	3770102.00	0.00012				
384302.03	3770102.00	0.00011	384352.03	3770102.00	0.00010				
384402.03	3770102.00	0.00010	384452.03	3770102.00	0.00009				
384502.03	3770102.00	0.00008	384552.03	3770102.00	0.00008				
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	04/20/10				
*** HRA - PM Diesel (Unmitigated)				***	11:23:25				
**MODELPTS:				PAGE 61					
CONC		DEFAULT ELEV							
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULROUT ***									
INCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, L0000029, L0000030, . . . ,									
*** DISCRETE CARTESIAN RECEPTOR POINTS ***									
** CONC OF DPM IN MICROGRAMS/M**3 **									
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC				
384602.03	3770102.00	0.00007	384652.03	3770102.00	0.00007				
384702.03	3770102.00	0.00007	382752.03	3770152.00	0.00021				
382802.03	3770152.00	0.00024	382852.03	3770152.00	0.00026				
382902.03	3770152.00	0.00030	382952.03	3770152.00	0.00034				
383002.03	3770152.00	0.00039	383052.03	3770152.00	0.00045				
383102.03	3770152.00	0.00052	383152.03	3770152.00	0.00059				
383202.03	3770152.00	0.00066	383252.03	3770152.00	0.00071				
383302.03	3770152.00	0.00074	383352.03	3770152.00	0.00073				
383402.03	3770152.00	0.00068	383452.03	3770152.00	0.00061				
383502.03	3770152.00	0.00054	383552.03	3770152.00	0.00048				
383602.03	3770152.00	0.00042	383652.03	3770152.00	0.00039				
383702.03	3770152.00	0.00036	383752.03	3770152.00	0.00033				
383802.03	3770152.00	0.00031	383852.03	3770152.00	0.00029				
383902.03	3770152.00	0.00026	383952.03	3770152.00	0.00024				
384002.03	3770152.00	0.00022	384052.03	3770152.00	0.00020				
384102.03	3770152.00	0.00018	384152.03	3770152.00	0.00016				
384202.03	3770152.00	0.00015	384252.03	3770152.00	0.00014				
384302.03	3770152.00	0.00012	384352.03	3770152.00	0.00011				
384402.03	3770152.00	0.00011	384452.03	3770152.00	0.00010				
384502.03	3770152.00	0.00009	384552.03	3770152.00	0.00008				
384602.03	3770152.00	0.00008	384652.03	3770152.00	0.00007				
384702.03	3770152.00	0.00007	382752.03	3770202.00	0.00022				
382802.03	3770202.00	0.00024	382852.03	3770202.00	0.00027				
382902.03	3770202.00	0.00030	382952.03	3770202.00	0.00034				
383002.03	3770202.00	0.00039	383052.03	3770202.00	0.00046				
383102.03	3770202.00	0.00054	383152.03	3770202.00	0.00063				
383202.03	3770202.00	0.00073	383252.03	3770202.00	0.00082				
383302.03	3770202.00	0.00088	383352.03	3770202.00	0.00090				
383402.03	3770202.00	0.00087	383452.03	3770202.00	0.00080				
383502.03	3770202.00	0.00071	383552.03	3770202.00	0.00063				
383602.03	3770202.00	0.00056	383652.03	3770202.00	0.00050				
383702.03	3770202.00	0.00046	383752.03	3770202.00	0.00042				
383802.03	3770202.00	0.00038	383852.03	3770202.00	0.00035				
383902.03	3770202.00	0.00032	383952.03	3770202.00	0.00028				
384002.03	3770202.00	0.00026	384052.03	3770202.00	0.00023				
384102.03	3770202.00	0.00020	384152.03	3770202.00	0.00018				
384202.03	3770202.00	0.00017	384252.03	3770202.00	0.00015				
384302.03	3770202.00	0.00014	384352.03	3770202.00	0.00012				
384402.03	3770202.00	0.00011	384452.03	3770202.00	0.00011				
384502.03	3770202.00	0.00010	384552.03	3770202.00	0.00009				
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	04/20/10				
*** HRA - PM Diesel (Unmitigated)				***	11:23:25				
**MODELPTS:				PAGE 62					
CONC		DEFAULT ELEV							
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULROUT ***									
INCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, L0000029, L0000030, . . . ,									
*** DISCRETE CARTESIAN RECEPTOR POINTS ***									
** CONC OF DPM IN MICROGRAMS/M**3 **									
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC				
384602.03	3770202.00	0.00009	384652.03	3770202.00	0.00008				

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

384702.03	3770202.00	0.00008	382752.03	3770252.00	0.00022		
382802.03	3770252.00	0.00024	382852.03	3770252.00	0.00027		
382902.03	3770252.00	0.00030	382952.03	3770252.00	0.00034		
383002.03	3770252.00	0.00040	383052.03	3770252.00	0.00046		
383102.03	3770252.00	0.00055	383152.03	3770252.00	0.00066		
383202.03	3770252.00	0.00079	383252.03	3770252.00	0.00092		
383302.03	3770252.00	0.00105	383352.03	3770252.00	0.00112		
383402.03	3770252.00	0.00113	383452.03	3770252.00	0.00108		
383502.03	3770252.00	0.00097	383552.03	3770252.00	0.00086		
383602.03	3770252.00	0.00076	383652.03	3770252.00	0.00067		
383702.03	3770252.00	0.00060	383752.03	3770252.00	0.00054		
383802.03	3770252.00	0.00048	383852.03	3770252.00	0.00043		
383902.03	3770252.00	0.00038	383952.03	3770252.00	0.00034		
384002.03	3770252.00	0.00030	384052.03	3770252.00	0.00027		
384102.03	3770252.00	0.00024	384152.03	3770252.00	0.00021		
384202.03	3770252.00	0.00019	384252.03	3770252.00	0.00017		
384302.03	3770252.00	0.00015	384352.03	3770252.00	0.00014		
384402.03	3770252.00	0.00013	384452.03	3770252.00	0.00012		
384502.03	3770252.00	0.00011	384552.03	3770252.00	0.00010		
384602.03	3770252.00	0.00009	384652.03	3770252.00	0.00009		
384702.03	3770252.00	0.00008	382752.03	3770302.00	0.00023		
382802.03	3770302.00	0.00025	382852.03	3770302.00	0.00028		
382902.03	3770302.00	0.00031	382952.03	3770302.00	0.00035		
383002.03	3770302.00	0.00040	383052.03	3770302.00	0.00047		
383102.03	3770302.00	0.00056	383152.03	3770302.00	0.00068		
383202.03	3770302.00	0.00084	383252.03	3770302.00	0.00103		
383302.03	3770302.00	0.00123	383352.03	3770302.00	0.00140		
383402.03	3770302.00	0.00149	383452.03	3770302.00	0.00147		
383502.03	3770302.00	0.00137	383552.03	3770302.00	0.00123		
383602.03	3770302.00	0.00108	383652.03	3770302.00	0.00094		
383702.03	3770302.00	0.00082	383752.03	3770302.00	0.00072		
383802.03	3770302.00	0.00063	383852.03	3770302.00	0.00055		
383902.03	3770302.00	0.00048	383952.03	3770302.00	0.00041		
384002.03	3770302.00	0.00036	384052.03	3770302.00	0.00031		
384102.03	3770302.00	0.00027	384152.03	3770302.00	0.00024		
384202.03	3770302.00	0.00021	384252.03	3770302.00	0.00019		
384302.03	3770302.00	0.00017	384352.03	3770302.00	0.00015		
384402.03	3770302.00	0.00014	384452.03	3770302.00	0.00013		
384502.03	3770302.00	0.00012	384552.03	3770302.00	0.00011		
*** AERMOD - VERSION 07026 ***			*** Echo Park Lake Rehabilitation		***		
			*** HRA - PM Diesel (Unmitigated)		***		
**MODELOPTs:					04/20/10		
CONC			DEFAULT ELEV		11:23:25		
					PAGE 83		
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULROUT ***							
INCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007,							
L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019,							
L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, L0000029, L0000030, . . . ,							
*** DISCRETE CARTESIAN RECEPTOR POINTS ***							
** CONC OF DPM IN MICROGRAMS/M**3 **							
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC		
384602.03	3770302.00	0.00010	384652.03	3770302.00	0.00009		
384702.03	3770302.00	0.00009	382752.03	3770352.00	0.00023		
382802.03	3770352.00	0.00026	382852.03	3770352.00	0.00029		
382902.03	3770352.00	0.00032	382952.03	3770352.00	0.00036		
383002.03	3770352.00	0.00042	383052.03	3770352.00	0.00049		
383102.03	3770352.00	0.00058	383152.03	3770352.00	0.00071		
383202.03	3770352.00	0.00089	383252.03	3770352.00	0.00113		
383302.03	3770352.00	0.00142	383352.03	3770352.00	0.00173		
383402.03	3770352.00	0.00197	383452.03	3770352.00	0.00207		
383502.03	3770352.00	0.00203	383552.03	3770352.00	0.00185		
383602.03	3770352.00	0.00163	383652.03	3770352.00	0.00140		
383702.03	3770352.00	0.00118	383752.03	3770352.00	0.00099		
383802.03	3770352.00	0.00084	383852.03	3770352.00	0.00071		
383902.03	3770352.00	0.00060	383952.03	3770352.00	0.00051		
384002.03	3770352.00	0.00043	384052.03	3770352.00	0.00037		
384102.03	3770352.00	0.00032	384152.03	3770352.00	0.00028		
384202.03	3770352.00	0.00024	384252.03	3770352.00	0.00021		
384302.03	3770352.00	0.00019	384352.03	3770352.00	0.00017		
384402.03	3770352.00	0.00015	384452.03	3770352.00	0.00014		
384502.03	3770352.00	0.00013	384552.03	3770352.00	0.00012		
384602.03	3770352.00	0.00011	384652.03	3770352.00	0.00010		
384702.03	3770352.00	0.00010	382752.03	3770402.00	0.00024		
382802.03	3770402.00	0.00027	382852.03	3770402.00	0.00030		
382902.03	3770402.00	0.00033	382952.03	3770402.00	0.00038		
383002.03	3770402.00	0.00043	383052.03	3770402.00	0.00055		
383102.03	3770402.00	0.00061	383152.03	3770402.00	0.00074		
383202.03	3770402.00	0.00094	383252.03	3770402.00	0.00122		
383302.03	3770402.00	0.00161	383352.03	3770402.00	0.00212		
383402.03	3770402.00	0.00263	383452.03	3770402.00	0.00301		
383502.03	3770402.00	0.00317	383552.03	3770402.00	0.00304		
383602.03	3770402.00	0.00267	383652.03	3770402.00	0.00225		
383702.03	3770402.00	0.00180	383752.03	3770402.00	0.00143		
383802.03	3770402.00	0.00116	383852.03	3770402.00	0.00095		
383902.03	3770402.00	0.00078	383952.03	3770402.00	0.00064		
384002.03	3770402.00	0.00053	384052.03	3770402.00	0.00044		
384102.03	3770402.00	0.00037	384152.03	3770402.00	0.00032		
384202.03	3770402.00	0.00028	384252.03	3770402.00	0.00024		
384302.03	3770402.00	0.00021	384352.03	3770402.00	0.00019		
384402.03	3770402.00	0.00017	384452.03	3770402.00	0.00016		
384502.03	3770402.00	0.00014	384552.03	3770402.00	0.00013		
*** AERMOD - VERSION 07026 ***			*** Echo Park Lake Rehabilitation		***		
			*** HRA - PM Diesel (Unmitigated)		***		
**MODELOPTs:					04/20/10		
CONC			DEFAULT ELEV		11:23:25		
					PAGE 84		
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULROUT ***							
INCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007,							
L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019,							
L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, L0000029, L0000030, . . . ,							
*** DISCRETE CARTESIAN RECEPTOR POINTS ***							
** CONC OF DPM IN MICROGRAMS/M**3 **							
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC		
384602.03	3770402.00	0.00012	384652.03	3770402.00	0.00011		
384702.03	3770402.00	0.00010	382752.03	3770452.00	0.00025		
382802.03	3770452.00	0.00027	382852.03	3770452.00	0.00030		

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

382902.03	3770452.00	0.00034	382952.03	3770452.00	0.00039				
383002.03	3770452.00	0.00045	383052.03	3770452.00	0.00053				
383102.03	3770452.00	0.00064	383152.03	3770452.00	0.00079				
383202.03	3770452.00	0.00100	383252.03	3770452.00	0.00131				
383302.03	3770452.00	0.00181	383352.03	3770452.00	0.00257				
383402.03	3770452.00	0.00357	383452.03	3770452.00	0.00459				
383502.03	3770452.00	0.00538	383552.03	3770452.00	0.00567				
383602.03	3770452.00	0.00509	383652.03	3770452.00	0.00403				
383702.03	3770452.00	0.00300	383752.03	3770452.00	0.00222				
383802.03	3770452.00	0.00171	383852.03	3770452.00	0.00134				
383902.03	3770452.00	0.00105	383952.03	3770452.00	0.00083				
384002.03	3770452.00	0.00066	384052.03	3770452.00	0.00054				
384102.03	3770452.00	0.00045	384152.03	3770452.00	0.00038				
384202.03	3770452.00	0.00032	384252.03	3770452.00	0.00028				
384302.03	3770452.00	0.00025	384352.03	3770452.00	0.00022				
384402.03	3770452.00	0.00019	384452.03	3770452.00	0.00017				
384502.03	3770452.00	0.00016	384552.03	3770452.00	0.00014				
384602.03	3770452.00	0.00013	384652.03	3770452.00	0.00012				
384702.03	3770452.00	0.00011	382752.03	3770502.00	0.00025				
382802.03	3770502.00	0.00027	382852.03	3770502.00	0.00031				
382902.03	3770502.00	0.00035	382952.03	3770502.00	0.00040				
383002.03	3770502.00	0.00047	383052.03	3770502.00	0.00055				
383102.03	3770502.00	0.00067	383152.03	3770502.00	0.00083				
383202.03	3770502.00	0.00106	383252.03	3770502.00	0.00141				
383302.03	3770502.00	0.00200	383352.03	3770502.00	0.00304				
383402.03	3770502.00	0.00489	383452.03	3770502.00	0.00761				
383502.03	3770502.00	0.01056	383552.03	3770502.00	0.01350				
383602.03	3770502.00	0.01425	383652.03	3770502.00	0.00898				
383702.03	3770502.00	0.00559	383752.03	3770502.00	0.00383				
383802.03	3770502.00	0.00275	383852.03	3770502.00	0.00200				
383902.03	3770502.00	0.00146	383952.03	3770502.00	0.00110				
384002.03	3770502.00	0.00085	384052.03	3770502.00	0.00067				
384102.03	3770502.00	0.00055	384152.03	3770502.00	0.00045				
384202.03	3770502.00	0.00038	384252.03	3770502.00	0.00033				
384302.03	3770502.00	0.00028	384352.03	3770502.00	0.00025				
384402.03	3770502.00	0.00022	384452.03	3770502.00	0.00020				
384502.03	3770502.00	0.00018	384552.03	3770502.00	0.00016				
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	04/20/10				
MODELOPTs:		* HRA - PM Diesel (Unmitigated)		***	11:23:25				
CONC		DFAULT ELEV		PAGE 85					
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULROUT ***									
INCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, L0000029, L0000030, . . . ,									
*** DISCRETE CARTESIAN RECEPTOR POINTS ***									
** CONC OF DPM IN MICROGRAMS/M**3 **									
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC				
384602.03	3770502.00	0.00015	384652.03	3770502.00	0.00013				
384702.03	3770502.00	0.00012	382752.03	3770552.00	0.00024				
382802.03	3770552.00	0.00027	382852.03	3770552.00	0.00030				
382902.03	3770552.00	0.00035	382952.03	3770552.00	0.00040				
383002.03	3770552.00	0.00047	383052.03	3770552.00	0.00056				
383102.03	3770552.00	0.00068	383152.03	3770552.00	0.00085				
383202.03	3770552.00	0.00109	383252.03	3770552.00	0.00148				
383302.03	3770552.00	0.00213	383352.03	3770552.00	0.00340				
383402.03	3770552.00	0.00637	383452.03	3770552.00	0.01468				
383502.03	3770552.00	0.03226	383552.03	3770552.00	0.06246				
383602.03	3770552.00	0.03695	383652.03	3770552.00	0.02790				
383702.03	3770552.00	0.01162	383752.03	3770552.00	0.00800				
383802.03	3770552.00	0.00513	383852.03	3770552.00	0.00321				
383902.03	3770552.00	0.00212	383952.03	3770552.00	0.00150				
384002.03	3770552.00	0.00112	384052.03	3770552.00	0.00086				
384102.03	3770552.00	0.00068	384152.03	3770552.00	0.00056				
384202.03	3770552.00	0.00046	384252.03	3770552.00	0.00039				
384302.03	3770552.00	0.00033	384352.03	3770552.00	0.00029				
384402.03	3770552.00	0.00025	384452.03	3770552.00	0.00022				
384502.03	3770552.00	0.00020	384552.03	3770552.00	0.00018				
384602.03	3770552.00	0.00016	384652.03	3770552.00	0.00015				
384702.03	3770552.00	0.00014	382752.03	3770602.00	0.00023				
382802.03	3770602.00	0.00026	382852.03	3770602.00	0.00029				
382902.03	3770602.00	0.00033	382952.03	3770602.00	0.00039				
383002.03	3770602.00	0.00045	383052.03	3770602.00	0.00054				
383102.03	3770602.00	0.00066	383152.03	3770602.00	0.00082				
383202.03	3770602.00	0.00106	383252.03	3770602.00	0.00145				
383302.03	3770602.00	0.00210	383352.03	3770602.00	0.00339				
383402.03	3770602.00	0.00675	383452.03	3770602.00	0.02433				
383502.03	3770602.00	0.08387	383552.03	3770602.00	0.07282				
383602.03	3770602.00	0.05577	383652.03	3770602.00	0.04100				
383702.03	3770602.00	0.02502	383752.03	3770602.00	0.03202				
383802.03	3770602.00	0.01337	383852.03	3770602.00	0.00562				
383902.03	3770602.00	0.00322	383952.03	3770602.00	0.00211				
384002.03	3770602.00	0.00150	384052.03	3770602.00	0.00112				
384102.03	3770602.00	0.00086	384152.03	3770602.00	0.00069				
384202.03	3770602.00	0.00056	384252.03	3770602.00	0.00047				
384302.03	3770602.00	0.00039	384352.03	3770602.00	0.00034				
384402.03	3770602.00	0.00029	384452.03	3770602.00	0.00026				
384502.03	3770602.00	0.00023	384552.03	3770602.00	0.00020				
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	04/20/10				
MODELOPTs:		* HRA - PM Diesel (Unmitigated)		***	11:23:25				
CONC		DFAULT ELEV		PAGE 86					
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULROUT ***									
INCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, L0000029, L0000030, . . . ,									
*** DISCRETE CARTESIAN RECEPTOR POINTS ***									
** CONC OF DPM IN MICROGRAMS/M**3 **									
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC				
384602.03	3770602.00	0.00018	384652.03	3770602.00	0.00017				
384702.03	3770602.00	0.00015	382752.03	3770652.00	0.00022				
382802.03	3770652.00	0.00025	382852.03	3770652.00	0.00028				
382902.03	3770652.00	0.00031	382952.03	3770652.00	0.00036				
383002.03	3770652.00	0.00042	383052.03	3770652.00	0.00050				

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

383102.03	3770652.00	0.00061	383152.03	3770652.00	0.00076			
383202.03	3770652.00	0.00097	383252.03	3770652.00	0.00131			
383302.03	3770652.00	0.00187	383352.03	3770652.00	0.00292			
383402.03	3770652.00	0.00533	383452.03	3770652.00	0.01363			
383502.03	3770652.00	0.05539	383552.03	3770652.00	0.09171			
383602.03	3770652.00	0.05911	383652.03	3770652.00	0.05747			
383702.03	3770652.00	0.03810	383802.03	3770652.00	0.03351			
383852.03	3770652.00	0.00943	383902.03	3770652.00	0.00474			
383952.03	3770652.00	0.00291	384002.03	3770652.00	0.00198			
384052.03	3770652.00	0.00143	384102.03	3770652.00	0.00109			
384152.03	3770652.00	0.00085	384202.03	3770652.00	0.00068			
384252.03	3770652.00	0.00056	384302.03	3770652.00	0.00047			
384352.03	3770652.00	0.00040	384402.03	3770652.00	0.00034			
384452.03	3770652.00	0.00030	384502.03	3770652.00	0.00026			
384552.03	3770652.00	0.00023	384602.03	3770652.00	0.00021			
384652.03	3770652.00	0.00019	384702.03	3770652.00	0.00017			
382752.03	3770702.00	0.00021	382802.03	3770702.00	0.00023			
382852.03	3770702.00	0.00026	382902.03	3770702.00	0.00029			
382952.03	3770702.00	0.00033	383002.03	3770702.00	0.00039			
383052.03	3770702.00	0.00046	383102.03	3770702.00	0.00055			
383152.03	3770702.00	0.00068	383202.03	3770702.00	0.00086			
383252.03	3770702.00	0.00113	383302.03	3770702.00	0.00157			
383352.03	3770702.00	0.00232	383402.03	3770702.00	0.00380			
383452.03	3770702.00	0.00745	383502.03	3770702.00	0.01646			
383552.03	3770702.00	0.03129	383602.03	3770702.00	0.03610			
383652.03	3770702.00	0.01201	383702.03	3770702.00	0.00608			
383752.03	3770702.00	0.00369	383802.03	3770702.00	0.00247			
383852.03	3770702.00	0.00176	383902.03	3770702.00	0.00132			
383952.03	3770702.00	0.00102	384002.03	3770702.00	0.00081			
384052.03	3770702.00	0.00066	384102.03	3770702.00	0.00055			
384152.03	3770702.00	0.00046	384202.03	3770702.00	0.00040			
384252.03	3770702.00	0.00034	384302.03	3770702.00	0.00030			
384352.03	3770702.00	0.00026	384402.03	3770702.00	0.00023			
384452.03	3770702.00	0.00021	384502.03	3770702.00	0.00019			
384552.03	3770702.00	0.00019	384602.03	3770702.00	0.00021			
382752.03	3770752.00	0.00019	382802.03	3770752.00	0.00021			
*** AERMOD - VERSION 07026 ***			*** Echo Park Lake Rehabilitation *** HRA - PM Diesel (Unmitigated)					
***			***					
04/20/10			11:23:25					
PAGE 87								
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULROUT ***								
INCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, L0000029, L0000030, . . . ,								
*** DISCRETE CARTESIAN RECEPTOR POINTS ***								
** CONC OF DPM IN MICROGRAMS/M**3 **								
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC			
382852.03	3770752.00	0.00024	382902.03	3770752.00	0.00027			
382952.03	3770752.00	0.00030	383002.03	3770752.00	0.00035			
383052.03	3770752.00	0.00041	383102.03	3770752.00	0.00049			
383152.03	3770752.00	0.00060	383202.03	3770752.00	0.00075			
383252.03	3770752.00	0.00097	383302.03	3770752.00	0.00130			
383352.03	3770752.00	0.00184	383402.03	3770752.00	0.00279			
383452.03	3770752.00	0.00478	383502.03	3770752.00	0.00871			
383552.03	3770752.00	0.01512	383602.03	3770752.00	0.03386			
383652.03	3770752.00	0.01269	383702.03	3770752.00	0.00677			
383752.03	3770752.00	0.00420	383802.03	3770752.00	0.00284			
383852.03	3770752.00	0.00204	383902.03	3770752.00	0.00153			
383952.03	3770752.00	0.00118	384002.03	3770752.00	0.00094			
384052.03	3770752.00	0.00076	384102.03	3770752.00	0.00063			
384152.03	3770752.00	0.00053	384202.03	3770752.00	0.00045			
384252.03	3770752.00	0.00039	384302.03	3770752.00	0.00034			
384352.03	3770752.00	0.00030	384402.03	3770752.00	0.00026			
384452.03	3770752.00	0.00023	384502.03	3770752.00	0.00021			
384552.03	3770752.00	0.00018	384602.03	3770752.00	0.00019			
382752.03	3770802.00	0.00022	382802.03	3770802.00	0.00024			
382852.03	3770802.00	0.00028	382902.03	3770802.00	0.00032			
382952.03	3770802.00	0.00038	383002.03	3770802.00	0.00044			
383052.03	3770802.00	0.00054	383102.03	3770802.00	0.00066			
383152.03	3770802.00	0.00084	383202.03	3770802.00	0.00109			
383252.03	3770802.00	0.00148	383302.03	3770802.00	0.00214			
383352.03	3770802.00	0.00337	383402.03	3770802.00	0.00549			
383452.03	3770802.00	0.00866	383502.03	3770802.00	0.03114			
383552.03	3770802.00	0.01245	383602.03	3770802.00	0.00693			
383652.03	3770802.00	0.00442	383702.03	3770802.00	0.00305			
383752.03	3770802.00	0.00222	383802.03	3770802.00	0.00167			
383852.03	3770802.00	0.00130	383902.03	3770802.00	0.00104			
383952.03	3770802.00	0.00084	384002.03	3770802.00	0.00070			
384052.03	3770802.00	0.00059	384102.03	3770802.00	0.00050			
384152.03	3770802.00	0.00043	384202.03	3770802.00	0.00037			
384252.03	3770802.00	0.00033	384302.03	3770802.00	0.00029			
384352.03	3770802.00	0.00026	384402.03	3770802.00	0.00023			
384452.03	3770802.00	0.00016	384502.03	3770802.00	0.00018			
384552.03	3770802.00	0.00020	384602.03	3770802.00	0.00023			
382752.03	3770852.00	0.00026	382802.03	3770852.00	0.00018			
382852.03	3770852.00	0.00026	382902.03	3770852.00	0.00023			
382952.03	3770852.00	0.00034	383002.03	3770852.00	0.00029			
383052.03	3770852.00	0.00048	383102.03	3770852.00	0.00040			
383152.03	3770852.00	0.00048	383202.03	3770852.00	0.00058			
*** AERMOD - VERSION 07026 ***			*** Echo Park Lake Rehabilitation *** HRA - PM Diesel (Unmitigated)					
***			***					
04/20/10			11:23:25					
PAGE 88								
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULROUT ***								
INCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, L0000029, L0000030, . . . ,								
*** DISCRETE CARTESIAN RECEPTOR POINTS ***								
** CONC OF DPM IN MICROGRAMS/M**3 **								
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC			
383252.03	3770852.00	0.00072	383302.03	3770852.00	0.00092			
383352.03	3770852.00	0.00122	383402.03	3770852.00	0.00171			
383452.03	3770852.00	0.00254	383502.03	3770852.00	0.00388			
383552.03	3770852.00	0.00582	383602.03	3770852.00	0.02873			
383652.03	3770852.00	0.01195	383702.03	3770852.00	0.00682			
383752.03	3770852.00	0.00444	383802.03	3770852.00	0.00311			
383852.03	3770852.00	0.00230	383902.03	3770852.00	0.00175			

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

384152.03	3770852.00	0.00138	384202.03	3770852.00	0.00111				
384252.03	3770852.00	0.00090	384302.03	3770852.00	0.00075				
384352.03	3770852.00	0.00063	384402.03	3770852.00	0.00054				
384452.03	3770852.00	0.00046	384502.03	3770852.00	0.00040				
384552.03	3770852.00	0.00036	384602.03	3770852.00	0.00031				
384652.03	3770852.00	0.00028	384702.03	3770852.00	0.00025				
382752.03	3770902.00	0.00015	382802.03	3770902.00	0.00017				
382852.03	3770902.00	0.00019	382902.03	3770902.00	0.00021				
382952.03	3770902.00	0.00023	383002.03	3770902.00	0.00027				
383052.03	3770902.00	0.00031	383102.03	3770902.00	0.00036				
383152.03	3770902.00	0.00043	383202.03	3770902.00	0.00051				
383252.03	3770902.00	0.00063	383302.03	3770902.00	0.00079				
383352.03	3770902.00	0.00103	383402.03	3770902.00	0.00139				
383452.03	3770902.00	0.00199	383502.03	3770902.00	0.00292				
383552.03	3770902.00	0.00426	383602.03	3770902.00	0.02744				
383852.03	3770902.00	0.01158	383902.03	3770902.00	0.00663				
383952.03	3770902.00	0.00435	384002.03	3770902.00	0.00309				
384052.03	3770902.00	0.00231	384102.03	3770902.00	0.00178				
384152.03	3770902.00	0.00141	384202.03	3770902.00	0.00114				
384252.03	3770902.00	0.00094	384302.03	3770902.00	0.00079				
384352.03	3770902.00	0.00066	384402.03	3770902.00	0.00057				
384452.03	3770902.00	0.00049	384502.03	3770902.00	0.00043				
384552.03	3770902.00	0.00038	384602.03	3770902.00	0.00033				
384652.03	3770902.00	0.00030	384702.03	3770902.00	0.00027				
382752.03	3770952.00	0.00014	382802.03	3770952.00	0.00016				
382852.03	3770952.00	0.00017	382902.03	3770952.00	0.00019				
382952.03	3770952.00	0.00022	383002.03	3770952.00	0.00024				
383052.03	3770952.00	0.00028	383102.03	3770952.00	0.00032				
383152.03	3770952.00	0.00038	383202.03	3770952.00	0.00045				
383252.03	3770952.00	0.00055	383302.03	3770952.00	0.00068				
383352.03	3770952.00	0.00086	383402.03	3770952.00	0.00115				
383452.03	3770952.00	0.00160	383502.03	3770952.00	0.00228				
383552.03	3770952.00	0.00324	383602.03	3770952.00	0.03403				
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	04/20/10				
*** HRA - PM Diesel (Unmitigated)				***	11:23:25				
**MODELOPTs:				PAGE 89					
CONC		DFAULT ELEV							
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULROUT ***									
INCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, L0000029, L0000030, . . . ,									
*** DISCRETE CARTESIAN RECEPTOR POINTS ***									
** CONC OF DPM IN MICROGRAMS/M**3 **									
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC				
383852.03	3770952.00	0.01181	383902.03	3770952.00	0.00648				
383952.03	3770952.00	0.00422	384002.03	3770952.00	0.00301				
384052.03	3770952.00	0.00227	384102.03	3770952.00	0.00177				
384152.03	3770952.00	0.00141	384202.03	3770952.00	0.00115				
384252.03	3770952.00	0.00096	384302.03	3770952.00	0.00080				
384352.03	3770952.00	0.00068	384402.03	3770952.00	0.00059				
384452.03	3770952.00	0.00051	384502.03	3770952.00	0.00045				
384552.03	3770952.00	0.00039	384602.03	3770952.00	0.00035				
384652.03	3770952.00	0.00031	384702.03	3770952.00	0.00028				
382752.03	3771002.00	0.00013	382802.03	3771002.00	0.00014				
382852.03	3771002.00	0.00016	382902.03	3771002.00	0.00018				
382952.03	3771002.00	0.00020	383002.03	3771002.00	0.00022				
383052.03	3771002.00	0.00025	383102.03	3771002.00	0.00029				
383152.03	3771002.00	0.00034	383202.03	3771002.00	0.00040				
383252.03	3771002.00	0.00047	383302.03	3771002.00	0.00058				
383352.03	3771002.00	0.00073	383402.03	3771002.00	0.00096				
383452.03	3771002.00	0.00130	383502.03	3771002.00	0.00180				
383552.03	3771002.00	0.00249	383602.03	3771002.00	0.03485				
383852.03	3771002.00	0.01191	383902.03	3771002.00	0.00619				
383952.03	3771002.00	0.00401	384002.03	3771002.00	0.00287				
384052.03	3771002.00	0.00218	384102.03	3771002.00	0.00171				
384152.03	3771002.00	0.00139	384202.03	3771002.00	0.00114				
384252.03	3771002.00	0.00095	384302.03	3771002.00	0.00081				
384352.03	3771002.00	0.00069	384402.03	3771002.00	0.00060				
384452.03	3771002.00	0.00052	384502.03	3771002.00	0.00046				
384552.03	3771002.00	0.00040	384602.03	3771002.00	0.00036				
384652.03	3771002.00	0.00032	384702.03	3771002.00	0.00029				
382752.03	3771052.00	0.00012	382802.03	3771052.00	0.00014				
382852.03	3771052.00	0.00015	382902.03	3771052.00	0.00016				
382952.03	3771052.00	0.00018	383002.03	3771052.00	0.00020				
383052.03	3771052.00	0.00023	383102.03	3771052.00	0.00026				
383152.03	3771052.00	0.00030	383202.03	3771052.00	0.00035				
383252.03	3771052.00	0.00041	383302.03	3771052.00	0.00050				
383352.03	3771052.00	0.00062	383402.03	3771052.00	0.00080				
383452.03	3771052.00	0.00106	383502.03	3771052.00	0.00144				
383552.03	3771052.00	0.00194	383602.03	3771052.00	0.00884				
383902.03	3771052.00	0.00528	383952.03	3771052.00	0.00358				
384002.03	3771052.00	0.00263	384052.03	3771052.00	0.00203				
384102.03	3771052.00	0.00162	384152.03	3771052.00	0.00133				
384202.03	3771052.00	0.00110	384252.03	3771052.00	0.00093				
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	04/20/10				
*** HRA - PM Diesel (Unmitigated)				***	11:23:25				
**MODELOPTs:				PAGE 90					
CONC		DFAULT ELEV							
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULROUT ***									
INCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, L0000029, L0000030, . . . ,									
*** DISCRETE CARTESIAN RECEPTOR POINTS ***									
** CONC OF DPM IN MICROGRAMS/M**3 **									
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC				
384302.03	3771052.00	0.00079	384352.03	3771052.00	0.00068				
384402.03	3771052.00	0.00059	384452.03	3771052.00	0.00052				
384502.03	3771052.00	0.00046	384552.03	3771052.00	0.00041				
384602.03	3771052.00	0.00036	384652.03	3771052.00	0.00033				
384702.03	3771052.00	0.00030	382752.03	3771102.00	0.00012				
382802.03	3771102.00	0.00013	382852.03	3771102.00	0.00014				
382902.03	3771102.00	0.00015	382952.03	3771102.00	0.00017				
383002.03	3771102.00	0.00019	383052.03	3771102.00	0.00021				
383102.03	3771102.00	0.00023	383152.03	3771102.00	0.00027				

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

383202.03	3771102.00	0.00031	383252.03	3771102.00	0.00037
383302.03	3771102.00	0.00044	383352.03	3771102.00	0.00054
383402.03	3771102.00	0.00068	383452.03	3771102.00	0.00089
383502.03	3771102.00	0.00117	383552.03	3771102.00	0.00154
383852.03	3771102.00	0.00567	383902.03	3771102.00	0.00408
383952.03	3771102.00	0.00300	384002.03	3771102.00	0.00230
384052.03	3771102.00	0.00182	384102.03	3771102.00	0.00149
384152.03	3771102.00	0.00124	384202.03	3771102.00	0.00104
384252.03	3771102.00	0.00089	384302.03	3771102.00	0.00077
384352.03	3771102.00	0.00067	384402.03	3771102.00	0.00058
384452.03	3771102.00	0.00052	384502.03	3771102.00	0.00046
384552.03	3771102.00	0.00041	384602.03	3771102.00	0.00037
384652.03	3771102.00	0.00033	384702.03	3771102.00	0.00030
382752.03	3771152.00	0.00011	382802.03	3771152.00	0.00012
382852.03	3771152.00	0.00013	382902.03	3771152.00	0.00014
382952.03	3771152.00	0.00015	383002.03	3771152.00	0.00017
383052.03	3771152.00	0.00019	383102.03	3771152.00	0.00021
383152.03	3771152.00	0.00024	383202.03	3771152.00	0.00028
383252.03	3771152.00	0.00033	383302.03	3771152.00	0.00039
383352.03	3771152.00	0.00047	383402.03	3771152.00	0.00059
383452.03	3771152.00	0.00075	383502.03	3771152.00	0.00097
383552.03	3771152.00	0.00125	383902.03	3771152.00	0.00312
383952.03	3771152.00	0.00245	384002.03	3771152.00	0.00196
384052.03	3771152.00	0.00160	384102.03	3771152.00	0.00133
384152.03	3771152.00	0.00113	384202.03	3771152.00	0.00097
384252.03	3771152.00	0.00084	384302.03	3771152.00	0.00073
384352.03	3771152.00	0.00064	384402.03	3771152.00	0.00057
384452.03	3771152.00	0.00050	384502.03	3771152.00	0.00045
384552.03	3771152.00	0.00040	384602.03	3771152.00	0.00036
384652.03	3771152.00	0.00033	384702.03	3771152.00	0.00030
382752.03	3771202.00	0.00010	382802.03	3771202.00	0.00011
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	
*** HRA - PM Diesel (Unmitigated)				04/20/10	
***				11:23:25	
***				PAGE 91	
**MODELOPTS:					
CONC					
DFAULT ELEV					

*** THE ANNUAL AVERAGE CONCENTRATION			VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULROUT ***		
INCLUDING SOURCE(S):					
L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, L0000029, L0000030, . . . ,					
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
** CONC OF DPM IN MICROGRAMS/M**3 **					
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
382852.03	3771202.00	0.00012	382902.03	3771202.00	0.00013
382952.03	3771202.00	0.00014	383002.03	3771202.00	0.00016
383052.03	3771202.00	0.00018	383102.03	3771202.00	0.00020
383152.03	3771202.00	0.00022	383202.03	3771202.00	0.00025
383252.03	3771202.00	0.00029	383302.03	3771202.00	0.00034
383352.03	3771202.00	0.00041	383402.03	3771202.00	0.00051
383452.03	3771202.00	0.00064	383502.03	3771202.00	0.00081
383552.03	3771202.00	0.00103	383852.03	3771202.00	0.00285
383902.03	3771202.00	0.00244	383952.03	3771202.00	0.00201
384002.03	3771202.00	0.00166	384052.03	3771202.00	0.00138
384102.03	3771202.00	0.00118	384152.03	3771202.00	0.00101
384202.03	3771202.00	0.00088	384252.03	3771202.00	0.00078
384302.03	3771202.00	0.00069	384352.03	3771202.00	0.00061
384402.03	3771202.00	0.00054	384452.03	3771202.00	0.00049
384502.03	3771202.00	0.00044	384552.03	3771202.00	0.00039
384602.03	3771202.00	0.00036	384652.03	3771202.00	0.00032
384702.03	3771202.00	0.00030	382752.03	3771252.00	0.00010
382802.03	3771252.00	0.00011	382852.03	3771252.00	0.00011
382902.03	3771252.00	0.00012	382952.03	3771252.00	0.00013
383002.03	3771252.00	0.00015	383052.03	3771252.00	0.00016
383102.03	3771252.00	0.00018	383152.03	3771252.00	0.00020
383202.03	3771252.00	0.00023	383252.03	3771252.00	0.00026
383302.03	3771252.00	0.00031	383352.03	3771252.00	0.00037
383402.03	3771252.00	0.00045	383452.03	3771252.00	0.00056
383502.03	3771252.00	0.00070	383552.03	3771252.00	0.00087
383752.03	3771252.00	0.00198	383802.03	3771252.00	0.00222
383852.03	3771252.00	0.00221	383902.03	3771252.00	0.00197
383952.03	3771252.00	0.00168	384002.03	3771252.00	0.00141
384052.03	3771252.00	0.00120	384102.03	3771252.00	0.00104
384152.03	3771252.00	0.00091	384202.03	3771252.00	0.00080
384252.03	3771252.00	0.00071	384302.03	3771252.00	0.00064
384352.03	3771252.00	0.00057	384402.03	3771252.00	0.00052
384452.03	3771252.00	0.00047	384502.03	3771252.00	0.00042
384552.03	3771252.00	0.00038	384602.03	3771252.00	0.00035
384652.03	3771252.00	0.00032	384702.03	3771252.00	0.00029
382752.03	3771302.00	0.00009	382802.03	3771302.00	0.00010
382852.03	3771302.00	0.00011	382902.03	3771302.00	0.00012
382952.03	3771302.00	0.00013	383002.03	3771302.00	0.00014
383052.03	3771302.00	0.00015	383102.03	3771302.00	0.00017
383152.03	3771302.00	0.00019	383202.03	3771302.00	0.00021
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		*** 04/20/10	
*** HRA - PM Diesel (Unmitigated)				*** 11:23:25	

**MODELOPTS:					
CONC					
DFAULT ELEV					
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*** THE ANNUAL AVERAGE CONCENTRATION					
VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULROUT ***					
INCLUDING SOURCE(S):					
L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, L0000029, L0000030, . . . ,					
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
** CONC OF DPM IN MICROGRAMS/M**3 **					
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
383252.03	3771302.00	0.00024	383302.03	3771302.00	0.00028
383352.03	3771302.00	0.00033	383402.03	3771302.00	0.00040
383452.03	3771302.00	0.00049	383502.03	3771302.00	0.00060
383552.03	3771302.00	0.00074	383702.03	3771302.00	0.00134
383752.03	3771302.00	0.00159	383802.03	3771302.00	0.00176
383852.03	3771302.00	0.00177	383902.03	3771302.00	0.00163
383952.03	3771302.00	0.00143	384002.03	3771302.00	0.00123
384052.03	3771302.00	0.00105	384102.03	3771302.00	0.00092
384152.03	3771302.00	0.00081	384202.03	3771302.00	0.00072
384252.03	3771302.00	0.00065	384302.03	3771302.00	0.00059
384352.03	3771302.00	0.00053	384402.03	3771302.00	0.00049

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

384452.03	3771302.00	0.00044	384502.03	3771302.00	0.00040						
384552.03	3771302.00	0.00037	384602.03	3771302.00	0.00034						
384652.03	3771302.00	0.00031	384702.03	3771302.00	0.00028						
382752.03	3771352.00	0.00009	382802.03	3771352.00	0.00009						
382852.03	3771352.00	0.00010	382902.03	3771352.00	0.00011						
382952.03	3771352.00	0.00012	383002.03	3771352.00	0.00013						
383052.03	3771352.00	0.00014	383102.03	3771352.00	0.00016						
383152.03	3771352.00	0.00017	383202.03	3771352.00	0.00019						
383252.03	3771352.00	0.00022	383302.03	3771352.00	0.00025						
383352.03	3771352.00	0.00030	383402.03	3771352.00	0.00036						
383452.03	3771352.00	0.00043	383502.03	3771352.00	0.00053						
383552.03	3771352.00	0.00065	383602.03	3771352.00	0.00078						
383652.03	3771352.00	0.00094	383702.03	3771352.00	0.00113						
383752.03	3771352.00	0.00131	383802.03	3771352.00	0.00144						
383852.03	3771352.00	0.00146	383902.03	3771352.00	0.00138						
383952.03	3771352.00	0.00124	384002.03	3771352.00	0.00108						
384052.03	3771352.00	0.00094	384102.03	3771352.00	0.00082						
384152.03	3771352.00	0.00073	384202.03	3771352.00	0.00065						
384252.03	3771352.00	0.00059	384302.03	3771352.00	0.00054						
384352.03	3771352.00	0.00050	384402.03	3771352.00	0.00045						
384452.03	3771352.00	0.00042	384502.03	3771352.00	0.00038						
384552.03	3771352.00	0.00035	384602.03	3771352.00	0.00033						
384652.03	3771352.00	0.00030	384702.03	3771352.00	0.00028						
382752.03	3771402.00	0.00008	382802.03	3771402.00	0.00009						
382852.03	3771402.00	0.00010	382902.03	3771402.00	0.00010						
382952.03	3771402.00	0.00011	383002.03	3771402.00	0.00012						
383052.03	3771402.00	0.00013	383102.03	3771402.00	0.00014						
383152.03	3771402.00	0.00016	383202.03	3771402.00	0.00018						
383252.03	3771402.00	0.00020	383302.03	3771402.00	0.00023						
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***							
*** HRA - PM Diesel (Unmitigated)				04/20/10							
				11:23:25							
				PAGE 93							
**MODELOPTs:											
CONC		DFAULT ELEV									
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULROUT ***											
INCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, L0000029, L0000030, . . . ,											
*** DISCRETE CARTESIAN RECEPTOR POINTS ***											
** CONC OF DPM IN MICROGRAMS/M**3 **											
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC						
383352.03	3771402.00	0.00027	383402.03	3771402.00	0.00032						
383452.03	3771402.00	0.00039	383502.03	3771402.00	0.00047						
383552.03	3771402.00	0.00057	383602.03	3771402.00	0.00068						
383652.03	3771402.00	0.00082	383702.03	3771402.00	0.00096						
383752.03	3771402.00	0.00110	383802.03	3771402.00	0.00120						
383852.03	3771402.00	0.00123	383902.03	3771402.00	0.00118						
383952.03	3771402.00	0.00108	384002.03	3771402.00	0.00096						
384052.03	3771402.00	0.00084	384102.03	3771402.00	0.00074						
384152.03	3771402.00	0.00066	384202.03	3771402.00	0.00059						
384252.03	3771402.00	0.00054	384302.03	3771402.00	0.00050						
384352.03	3771402.00	0.00046	384402.03	3771402.00	0.00042						
384452.03	3771402.00	0.00039	384502.03	3771402.00	0.00036						
384552.03	3771402.00	0.00034	384602.03	3771402.00	0.00031						
384652.03	3771402.00	0.00029	384702.03	3771402.00	0.00027						
382752.03	3771452.00	0.00008	382802.03	3771452.00	0.00009						
382852.03	3771452.00	0.00009	382902.03	3771452.00	0.00010						
382952.03	3771452.00	0.00011	383002.03	3771452.00	0.00011						
383052.03	3771452.00	0.00012	383102.03	3771452.00	0.00014						
383152.03	3771452.00	0.00015	383202.03	3771452.00	0.00017						
383252.03	3771452.00	0.00019	383302.03	3771452.00	0.00021						
383352.03	3771452.00	0.00025	383402.03	3771452.00	0.00029						
383452.03	3771452.00	0.00035	383502.03	3771452.00	0.00042						
383552.03	3771452.00	0.00050	383602.03	3771452.00	0.00060						
383652.03	3771452.00	0.00071	383702.03	3771452.00	0.00083						
383752.03	3771452.00	0.00094	383802.03	3771452.00	0.00103						
383852.03	3771452.00	0.00106	383902.03	3771452.00	0.00103						
383952.03	3771452.00	0.00096	384002.03	3771452.00	0.00086						
384052.03	3771452.00	0.00076	384102.03	3771452.00	0.00068						
384152.03	3771452.00	0.00060	384202.03	3771452.00	0.00054						
384252.03	3771452.00	0.00049	384302.03	3771452.00	0.00046						
384352.03	3771452.00	0.00042	384402.03	3771452.00	0.00039						
384452.03	3771452.00	0.00037	384502.03	3771452.00	0.00034						
384552.03	3771452.00	0.00032	384602.03	3771452.00	0.00030						
384652.03	3771452.00	0.00028	384702.03	3771452.00	0.00026						
382752.03	3771502.00	0.00008	382802.03	3771502.00	0.00008						
382852.03	3771502.00	0.00009	382902.03	3771502.00	0.00009						
382952.03	3771502.00	0.00010	383002.03	3771502.00	0.00011						
383052.03	3771502.00	0.00012	383102.03	3771502.00	0.00013						
383152.03	3771502.00	0.00014	383202.03	3771502.00	0.00016						
383252.03	3771502.00	0.00017	383302.03	3771502.00	0.00020						
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***							
*** HRA - PM Diesel (Unmitigated)				04/20/10							
				11:23:25							
				PAGE 94							
**MODELOPTs:											
CONC		DFAULT ELEV									
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULROUT ***											
INCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, L0000029, L0000030, . . . ,											
*** DISCRETE CARTESIAN RECEPTOR POINTS ***											
** CONC OF DPM IN MICROGRAMS/M**3 **											
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC						
383352.03	3771502.00	0.00023	383402.03	3771502.00	0.00027						
383452.03	3771502.00	0.00032	383502.03	3771502.00	0.00038						
383552.03	3771502.00	0.00045	383602.03	3771502.00	0.00054						
383652.03	3771502.00	0.00063	383702.03	3771502.00	0.00073						
383752.03	3771502.00	0.00082	383802.03	3771502.00	0.00089						
383852.03	3771502.00	0.00092	383902.03	3771502.00	0.00091						
383952.03	3771502.00	0.00085	384002.03	3771502.00	0.00078						
384052.03	3771502.00	0.00070	384102.03	3771502.00	0.00062						
384152.03	3771502.00	0.00056	384202.03	3771502.00	0.00050						
384252.03	3771502.00	0.00046	384302.03	3771502.00	0.00042						
384352.03	3771502.00	0.00039	384402.03	3771502.00	0.00037						
384452.03	3771502.00	0.00034	384502.03	3771502.00	0.00032						
384552.03	3771502.00	0.00030	384602.03	3771502.00	0.00029						

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

384652.03	3771502.00	0.00027	384702.03	3771502.00	0.00025				
382752.03	3771552.00	0.00007	382802.03	3771552.00	0.00008				
382852.03	3771552.00	0.00008	382902.03	3771552.00	0.00009				
382952.03	3771552.00	0.00010	383002.03	3771552.00	0.00010				
383052.03	3771552.00	0.00011	383102.03	3771552.00	0.00012				
383152.03	3771552.00	0.00013	383202.03	3771552.00	0.00015				
383252.03	3771552.00	0.00016	383302.03	3771552.00	0.00019				
383352.03	3771552.00	0.00021	383402.03	3771552.00	0.00025				
383452.03	3771552.00	0.00029	383502.03	3771552.00	0.00035				
383552.03	3771552.00	0.00041	383602.03	3771552.00	0.00048				
383652.03	3771552.00	0.00056	383702.03	3771552.00	0.00065				
383752.03	3771552.00	0.00072	383802.03	3771552.00	0.00078				
383852.03	3771552.00	0.00081	383902.03	3771552.00	0.00081				
383952.03	3771552.00	0.00077	384002.03	3771552.00	0.00071				
384052.03	3771552.00	0.00064	384102.03	3771552.00	0.00058				
384152.03	3771552.00	0.00052	384202.03	3771552.00	0.00047				
384252.03	3771552.00	0.00042	384302.03	3771552.00	0.00039				
384352.03	3771552.00	0.00036	384402.03	3771552.00	0.00034				
384452.03	3771552.00	0.00032	384502.03	3771552.00	0.00030				
384552.03	3771552.00	0.00029	384602.03	3771552.00	0.00027				
384652.03	3771552.00	0.00026	384702.03	3771552.00	0.00024				
382752.03	3771602.00	0.00007	382802.03	3771602.00	0.00008				
382852.03	3771602.00	0.00008	382902.03	3771602.00	0.00008				
382952.03	3771602.00	0.00009	383002.03	3771602.00	0.00010				
383052.03	3771602.00	0.00010	383102.03	3771602.00	0.00011				
383152.03	3771602.00	0.00012	383202.03	3771602.00	0.00014				
383252.03	3771602.00	0.00015	383302.03	3771602.00	0.00017				
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***					
*** HRA - PM Diesel (Unmitigated)				***					
**MODELPTs:				04/20/10					
CONC		DFAULT ELEV		11:23:25					
				PAGE 95					
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULROUT ***									
INCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, L0000029, L0000030, . . . ,									
*** DISCRETE CARTESIAN RECEPTOR POINTS ***									
** CONC OF DPM IN MICROGRAMS/M**3 **									
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC				
383352.03	3771602.00	0.00020	383402.03	3771602.00	0.00023				
383452.03	3771602.00	0.00027	383502.03	3771602.00	0.00032				
383552.03	3771602.00	0.00037	383602.03	3771602.00	0.00044				
383652.03	3771602.00	0.00051	383702.03	3771602.00	0.00058				
383752.03	3771602.00	0.00064	383802.03	3771602.00	0.00070				
383852.03	3771602.00	0.00072	383902.03	3771602.00	0.00072				
383952.03	3771602.00	0.00070	384002.03	3771602.00	0.00065				
384052.03	3771602.00	0.00060	384102.03	3771602.00	0.00054				
384152.03	3771602.00	0.00049	384202.03	3771602.00	0.00044				
384252.03	3771602.00	0.00040	384302.03	3771602.00	0.00037				
384352.03	3771602.00	0.00034	384402.03	3771602.00	0.00032				
384452.03	3771602.00	0.00030	384502.03	3771602.00	0.00029				
384552.03	3771602.00	0.00027	384602.03	3771602.00	0.00026				
384652.03	3771602.00	0.00025	384702.03	3771602.00	0.00023				
382752.03	3771652.00	0.00007	382802.03	3771652.00	0.00007				
382852.03	3771652.00	0.00008	382902.03	3771652.00	0.00008				
382952.03	3771652.00	0.00009	383002.03	3771652.00	0.00009				
383052.03	3771652.00	0.00010	383102.03	3771652.00	0.00011				
383152.03	3771652.00	0.00012	383202.03	3771652.00	0.00013				
383252.03	3771652.00	0.00014	383302.03	3771652.00	0.00016				
383352.03	3771652.00	0.00019	383402.03	3771652.00	0.00021				
383452.03	3771652.00	0.00025	383502.03	3771652.00	0.00029				
383552.03	3771652.00	0.00034	383602.03	3771652.00	0.00040				
383652.03	3771652.00	0.00046	383702.03	3771652.00	0.00052				
383752.03	3771652.00	0.00058	383802.03	3771652.00	0.00062				
383852.03	3771652.00	0.00065	383902.03	3771652.00	0.00065				
383952.03	3771652.00	0.00063	384002.03	3771652.00	0.00060				
384052.03	3771652.00	0.00055	384102.03	3771652.00	0.00051				
384152.03	3771652.00	0.00046	384202.03	3771652.00	0.00041				
384252.03	3771652.00	0.00038	384302.03	3771652.00	0.00034				
384352.03	3771652.00	0.00032	384402.03	3771652.00	0.00030				
384452.03	3771652.00	0.00028	384502.03	3771652.00	0.00027				
384552.03	3771652.00	0.00026	384602.03	3771652.00	0.00025				
384652.03	3771652.00	0.00023	384702.03	3771652.00	0.00022				
382752.03	3771702.00	0.00007	382802.03	3771702.00	0.00007				
382852.03	3771702.00	0.00007	382902.03	3771702.00	0.00008				
382952.03	3771702.00	0.00008	383002.03	3771702.00	0.00009				
383052.03	3771702.00	0.00010	383102.03	3771702.00	0.00010				
383152.03	3771702.00	0.00011	383202.03	3771702.00	0.00012				
383252.03	3771702.00	0.00014	383302.03	3771702.00	0.00015				
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***					
*** HRA - PM Diesel (Unmitigated)				***					
**MODELPTs:				04/20/10					
CONC		DFAULT ELEV		11:23:25					
				PAGE 96					
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULROUT ***									
INCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, L0000029, L0000030, . . . ,									
*** DISCRETE CARTESIAN RECEPTOR POINTS ***									
** CONC OF DPM IN MICROGRAMS/M**3 **									
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC				
383352.03	3771702.00	0.00018	383402.03	3771702.00	0.00020				
383452.03	3771702.00	0.00023	383502.03	3771702.00	0.00027				
383552.03	3771702.00	0.00031	383602.03	3771702.00	0.00036				
383652.03	3771702.00	0.00042	383702.03	3771702.00	0.00047				
383752.03	3771702.00	0.00052	383802.03	3771702.00	0.00056				
383852.03	3771702.00	0.00059	383902.03	3771702.00	0.00059				
383952.03	3771702.00	0.00058	384002.03	3771702.00	0.00055				
384052.03	3771702.00	0.00052	384102.03	3771702.00	0.00048				
384152.03	3771702.00	0.00043	384202.03	3771702.00	0.00039				
384252.03	3771702.00	0.00036	384302.03	3771702.00	0.00033				
384352.03	3771702.00	0.00030	384402.03	3771702.00	0.00028				
384452.03	3771702.00	0.00027	384502.03	3771702.00	0.00025				
384552.03	3771702.00	0.00024	384602.03	3771702.00	0.00023				
384652.03	3771702.00	0.00022	384702.03	3771702.00	0.00021				
382752.03	3771752.00	0.00006	382802.03	3771752.00	0.00007				

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

382852.03	3771752.00	0.00007	382902.03	3771752.00	0.00008
382952.03	3771752.00	0.00008	383002.03	3771752.00	0.00009
383052.03	3771752.00	0.00009	383102.03	3771752.00	0.00010
383152.03	3771752.00	0.00011	383202.03	3771752.00	0.00012
383252.03	3771752.00	0.00013	383302.03	3771752.00	0.00015
383352.03	3771752.00	0.00017	383402.03	3771752.00	0.00019
383452.03	3771752.00	0.00022	383502.03	3771752.00	0.00025
383552.03	3771752.00	0.00029	383602.03	3771752.00	0.00034
383652.03	3771752.00	0.00038	383702.03	3771752.00	0.00043
383752.03	3771752.00	0.00048	383802.03	3771752.00	0.00051
383852.03	3771752.00	0.00054	383902.03	3771752.00	0.00054
383952.03	3771752.00	0.00053	384002.03	3771752.00	0.00051
384052.03	3771752.00	0.00048	384102.03	3771752.00	0.00045
384152.03	3771752.00	0.00041	384202.03	3771752.00	0.00038
384252.03	3771752.00	0.00034	384302.03	3771752.00	0.00031
384352.03	3771752.00	0.00029	384402.03	3771752.00	0.00027
384452.03	3771752.00	0.00025	384502.03	3771752.00	0.00024
384552.03	3771752.00	0.00023	384602.03	3771752.00	0.00022
384652.03	3771752.00	0.00021	384702.03	3771752.00	0.00020
382752.03	3771802.00	0.00006	382802.03	3771802.00	0.00006
382852.03	3771802.00	0.00007	382902.03	3771802.00	0.00007
382952.03	3771802.00	0.00008	383002.03	3771802.00	0.00008
383052.03	3771802.00	0.00009	383102.03	3771802.00	0.00009
383152.03	3771802.00	0.00010	383202.03	3771802.00	0.00011
383252.03	3771802.00	0.00012	383302.03	3771802.00	0.00014
*** AERMOD - VERSION 07026 ***	*** Echo Park Lake Rehabilitation	***	04/20/10		
MODELOPTs:	* HRA - PM Diesel (Unmitigated)	***	11:23:25		
CONC	DEFAULT ELEV		PAGE 97		
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULROUT ***					
INCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, L0000029, L0000030, . . . ,					
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
** CONC OF DPM IN MICROGRAMS/M**3 **					
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
383352.03	3771802.00	0.00016	383402.03	3771802.00	0.00018
383452.03	3771802.00	0.00020	383502.03	3771802.00	0.00024
383552.03	3771802.00	0.00027	383602.03	3771802.00	0.00031
383652.03	3771802.00	0.00035	383702.03	3771802.00	0.00040
383752.03	3771802.00	0.00044	383802.03	3771802.00	0.00047
383852.03	3771802.00	0.00049	383902.03	3771802.00	0.00050
383952.03	3771802.00	0.00049	384002.03	3771802.00	0.00048
384052.03	3771802.00	0.00045	384102.03	3771802.00	0.00042
384152.03	3771802.00	0.00039	384202.03	3771802.00	0.00036
384252.03	3771802.00	0.00033	384302.03	3771802.00	0.00030
384352.03	3771802.00	0.00028	384402.03	3771802.00	0.00026
384452.03	3771802.00	0.00024	384502.03	3771802.00	0.00023
384552.03	3771802.00	0.00022	384602.03	3771802.00	0.00021
384652.03	3771802.00	0.00020	384702.03	3771802.00	0.00019
382752.03	3771852.00	0.00006	382802.03	3771852.00	0.00006
382852.03	3771852.00	0.00007	382902.03	3771852.00	0.00007
382952.03	3771852.00	0.00007	383002.03	3771852.00	0.00008
383052.03	3771852.00	0.00008	383102.03	3771852.00	0.00009
383152.03	3771852.00	0.00010	383202.03	3771852.00	0.00011
383252.03	3771852.00	0.00012	383302.03	3771852.00	0.00013
383352.03	3771852.00	0.00015	383402.03	3771852.00	0.00017
383452.03	3771852.00	0.00019	383502.03	3771852.00	0.00022
383552.03	3771852.00	0.00025	383602.03	3771852.00	0.00029
383652.03	3771852.00	0.00033	383702.03	3771852.00	0.00037
383752.03	3771852.00	0.00040	383802.03	3771852.00	0.00043
383852.03	3771852.00	0.00045	383902.03	3771852.00	0.00046
383952.03	3771852.00	0.00046	384002.03	3771852.00	0.00045
384052.03	3771852.00	0.00043	384102.03	3771852.00	0.00040
384152.03	3771852.00	0.00037	384202.03	3771852.00	0.00034
384252.03	3771852.00	0.00032	384302.03	3771852.00	0.00029
384352.03	3771852.00	0.00027	384402.03	3771852.00	0.00025
384452.03	3771852.00	0.00023	384502.03	3771852.00	0.00022
384552.03	3771852.00	0.00021	384602.03	3771852.00	0.00020
384652.03	3771852.00	0.00019	384702.03	3771852.00	0.00019
382752.03	3771902.00	0.00006	382802.03	3771902.00	0.00006
382852.03	3771902.00	0.00006	382902.03	3771902.00	0.00007
382952.03	3771902.00	0.00007	383002.03	3771902.00	0.00008
383052.03	3771902.00	0.00008	383102.03	3771902.00	0.00009
383152.03	3771902.00	0.00010	383202.03	3771902.00	0.00010
383252.03	3771902.00	0.00011	383302.03	3771902.00	0.00013
*** AERMOD - VERSION 07026 ***	*** Echo Park Lake Rehabilitation	***	04/20/10		
MODELOPTs:	* HRA - PM Diesel (Unmitigated)	***	11:23:25		
CONC	DEFAULT ELEV		PAGE 98		
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULROUT ***					
INCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, L0000029, L0000030, . . . ,					
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
** CONC OF DPM IN MICROGRAMS/M**3 **					
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
383352.03	3771902.00	0.00014	383402.03	3771902.00	0.00016
383452.03	3771902.00	0.00018	383502.03	3771902.00	0.00021
383552.03	3771902.00	0.00024	383602.03	3771902.00	0.00027
383652.03	3771902.00	0.00031	383702.03	3771902.00	0.00034
383752.03	3771902.00	0.00037	383802.03	3771902.00	0.00040
383852.03	3771902.00	0.00042	383902.03	3771902.00	0.00043
383952.03	3771902.00	0.00043	384002.03	3771902.00	0.00042
384052.03	3771902.00	0.00040	384102.03	3771902.00	0.00038
384152.03	3771902.00	0.00036	384202.03	3771902.00	0.00033
384252.03	3771902.00	0.00031	384302.03	3771902.00	0.00028
384352.03	3771902.00	0.00026	384402.03	3771902.00	0.00024
384452.03	3771902.00	0.00022	384502.03	3771902.00	0.00021
384552.03	3771902.00	0.00020	384602.03	3771902.00	0.00019
384652.03	3771902.00	0.00018	384702.03	3771902.00	0.00018
*** AERMOD - VERSION 07026 ***	*** Echo Park Lake Rehabilitation	***	04/20/10		
MODELOPTs:	* HRA - PM Diesel (Unmitigated)	***	11:23:25		
			PAGE 99		

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

CONC

DEFAULT ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): SITE , HAULIDLE, L0000001, L0000002, L0000003, L0000004, L0000005,
L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017,
L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM			IN MICROGRAMS/M**3			**		
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC			
383660.97	3771329.50	0.48835	383792.56	3770989.25	0.64267			
383667.38	3770537.25	0.11498	382752.03	3769952.00	0.02970			
382802.03	3769952.00	0.03162	382852.03	3769952.00	0.03340			
382902.03	3769952.00	0.03499	382952.03	3769952.00	0.03626			
383002.03	3769952.00	0.03714	383052.03	3769952.00	0.03750			
383102.03	3769952.00	0.03726	383152.03	3769952.00	0.03635			
383202.03	3769952.00	0.03475	383252.03	3769952.00	0.03251			
383302.03	3769952.00	0.02973	383352.03	3769952.00	0.02656			
383402.03	3769952.00	0.02323	383452.03	3769952.00	0.01995			
383502.03	3769952.00	0.01690	383552.03	3769952.00	0.01419			
383602.03	3769952.00	0.01187	383652.03	3769952.00	0.00992			
383702.03	3769952.00	0.00832	383752.03	3769952.00	0.00703			
383802.03	3769952.00	0.00602	383852.03	3769952.00	0.00527			
383902.03	3769952.00	0.00472	383952.03	3769952.00	0.00434			
384002.03	3769952.00	0.00408	384052.03	3769952.00	0.00387			
384102.03	3769952.00	0.00370	384152.03	3769952.00	0.00354			
384202.03	3769952.00	0.00338	384252.03	3769952.00	0.00322			
384302.03	3769952.00	0.00304	384352.03	3769952.00	0.00285			
384402.03	3769952.00	0.00266	384452.03	3769952.00	0.00248			
384502.03	3769952.00	0.00230	384552.03	3769952.00	0.00214			
384602.03	3769952.00	0.00199	384652.03	3769952.00	0.00185			
384702.03	3769952.00	0.00173	382752.03	3770002.00	0.02986			
382802.03	3770002.00	0.03206	382852.03	3770002.00	0.03420			
382902.03	3770002.00	0.03619	382952.03	3770002.00	0.03792			
383002.03	3770002.00	0.03929	383052.03	3770002.00	0.04015			
383102.03	3770002.00	0.04040	383152.03	3770002.00	0.03991			
383202.03	3770002.00	0.03863	383252.03	3770002.00	0.03655			
383302.03	3770002.00	0.03375	383352.03	3770002.00	0.03039			
383402.03	3770002.00	0.02670	383452.03	3770002.00	0.02294			
383502.03	3770002.00	0.01937	383552.03	3770002.00	0.01616			
383602.03	3770002.00	0.01338	383652.03	3770002.00	0.01106			
383702.03	3770002.00	0.00917	383752.03	3770002.00	0.00767			
383802.03	3770002.00	0.00652	383852.03	3770002.00	0.00567			
383902.03	3770002.00	0.00507	383952.03	3770002.00	0.00466			
384002.03	3770002.00	0.00436	384052.03	3770002.00	0.00412			
384102.03	3770002.00	0.00392	384152.03	3770002.00	0.00373			
384202.03	3770002.00	0.00354	384252.03	3770002.00	0.00334			
384302.03	3770002.00	0.00313	384352.03	3770002.00	0.00291			
384402.03	3770002.00	0.00271	384452.03	3770002.00	0.00251			
384502.03	3770002.00	0.00233	384552.03	3770002.00	0.00217			

*** AERMOD - VERSION 07026 ***

*** Echo Park Lake Rehabilitation

*** 04/20/10

*** HRA - PM Diesel (Unmitigated)

*** 11:23:25

**MODELOPTs:

PAGE 100

CONC

DEFAULT ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): SITE , HAULIDLE, L0000001, L0000002, L0000003, L0000004, L0000005,
L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017,
L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM			IN MICROGRAMS/M**3			**		
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC			
384602.03	3770002.00	0.00202	384652.03	3770002.00	0.00188			
384702.03	3770002.00	0.00177	382752.03	3770052.00	0.02979			
382802.03	3770052.00	0.03227	382852.03	3770052.00	0.03475			
382902.03	3770052.00	0.03716	382952.03	3770052.00	0.03938			
383002.03	3770052.00	0.04130	383052.03	3770052.00	0.04275			
383102.03	3770052.00	0.04359	383152.03	3770052.00	0.04366			
383202.03	3770052.00	0.04285	383252.03	3770052.00	0.04109			
383302.03	3770052.00	0.03839	383352.03	3770052.00	0.03491			
383402.03	3770052.00	0.03088	383452.03	3770052.00	0.02661			
383502.03	3770052.00	0.02243	383552.03	3770052.00	0.01859			
383602.03	3770052.00	0.01525	383652.03	3770052.00	0.01245			
383702.03	3770052.00	0.01020	383752.03	3770052.00	0.00843			
383802.03	3770052.00	0.00710	383852.03	3770052.00	0.00614			
383902.03	3770052.00	0.00548	383952.03	3770052.00	0.00501			
384002.03	3770052.00	0.00467	384052.03	3770052.00	0.00440			
384102.03	3770052.00	0.00416	384152.03	3770052.00	0.00393			
384202.03	3770052.00	0.00370	384252.03	3770052.00	0.00345			
384302.03	3770052.00	0.00321	384352.03	3770052.00	0.00298			
384402.03	3770052.00	0.00276	384452.03	3770052.00	0.00256			
384502.03	3770052.00	0.00237	384552.03	3770052.00	0.00221			
384602.03	3770052.00	0.00206	384652.03	3770052.00	0.00193			
384702.03	3770052.00	0.00182	382752.03	3770102.00	0.02951			
382802.03	3770102.00	0.03223	382852.03	3770102.00	0.03504			
382902.03	3770102.00	0.03786	382952.03	3770102.00	0.04058			
383002.03	3770102.00	0.04309	383052.03	3770102.00	0.04520			
383102.03	3770102.00	0.04675	383152.03	3770102.00	0.04753			
383202.03	3770102.00	0.04736	383252.03	3770102.00	0.04611			
383302.03	3770102.00	0.04371	383352.03	3770102.00	0.04024			
383402.03	3770102.00	0.03593	383452.03	3770102.00	0.03113			
383502.03	3770102.00	0.02625	383552.03	3770102.00	0.02164			
383602.03	3770102.00	0.01758	383652.03	3770102.00	0.01417			
383702.03	3770102.00	0.01144	383752.03	3770102.00	0.00933			
383802.03	3770102.00	0.00778	383852.03	3770102.00	0.00669			
383902.03	3770102.00	0.00594	383952.03	3770102.00	0.00542			
384002.03	3770102.00	0.00503	384052.03	3770102.00	0.00471			
384102.03	3770102.00	0.00442	384152.03	3770102.00	0.00414			
384202.03	3770102.00	0.00385	384252.03	3770102.00	0.00357			
384302.03	3770102.00	0.00330	384352.03	3770102.00	0.00305			
384402.03	3770102.00	0.00282	384452.03	3770102.00	0.00262			
384502.03	3770102.00	0.00243	384552.03	3770102.00	0.00227			

*** AERMOD - VERSION 07026 ***

*** Echo Park Lake Rehabilitation

*** 04/20/10

*** HRA - PM Diesel (Unmitigated)

*** 11:23:25

**MODELOPTs:

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CONC

DEFAULT ELEV

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, . . . ,											
*** DISCRETE CARTESIAN RECEPTOR POINTS ***											
** CONC OF DPM			IN MICROGRAMS/M**3		**						
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC						
384602.03	3770302.00	0.00262	384652.03	3770302.00	0.00250						
384702.03	3770302.00	0.00241	382752.03	3770352.00	0.02498						
382802.03	3770352.00	0.02824	382852.03	3770352.00	0.03198						
382902.03	3770352.00	0.03622	382952.03	3770352.00	0.04098						
383002.03	3770352.00	0.04623	383052.03	3770352.00	0.05193						
383102.03	3770352.00	0.05795	383152.03	3770352.00	0.06410						
383202.03	3770352.00	0.07007	383252.03	3770352.00	0.07540						
383302.03	3770352.00	0.07950	383352.03	3770352.00	0.08158						
383402.03	3770352.00	0.08082	383452.03	3770352.00	0.07660						
383502.03	3770352.00	0.06885	383552.03	3770352.00	0.05827						
383602.03	3770352.00	0.04629	383652.03	3770352.00	0.03474						
383702.03	3770352.00	0.02519	383752.03	3770352.00	0.01837						
383802.03	3770352.00	0.01406	383852.03	3770352.00	0.01145						
383902.03	3770352.00	0.00976	383952.03	3770352.00	0.00853						
384002.03	3770352.00	0.00754	384052.03	3770352.00	0.00672						
384102.03	3770352.00	0.00603	384152.03	3770352.00	0.00545						
384202.03	3770352.00	0.00497	384252.03	3770352.00	0.00455						
384302.03	3770352.00	0.00419	384352.03	3770352.00	0.00387						
384402.03	3770352.00	0.00358	384452.03	3770352.00	0.00334						
384502.03	3770352.00	0.00313	384552.03	3770352.00	0.00295						
384602.03	3770352.00	0.00281	384652.03	3770352.00	0.00269						
384702.03	3770352.00	0.00258	382752.03	3770402.00	0.02362						
382802.03	3770402.00	0.02683	382852.03	3770402.00	0.03056						
382902.03	3770402.00	0.03486	382952.03	3770402.00	0.03980						
383002.03	3770402.00	0.04538	383052.03	3770402.00	0.05161						
383102.03	3770402.00	0.05843	383152.03	3770402.00	0.06572						
383202.03	3770402.00	0.07325	383252.03	3770402.00	0.08063						
383302.03	3770402.00	0.08728	383352.03	3770402.00	0.09233						
383402.03	3770402.00	0.09465	383452.03	3770402.00	0.09298						
383502.03	3770402.00	0.08651	383552.03	3770402.00	0.07528						
383602.03	3770402.00	0.06068	383652.03	3770402.00	0.04527						
383702.03	3770402.00	0.03186	383752.03	3770402.00	0.02229						
383802.03	3770402.00	0.01652	383852.03	3770402.00	0.01319						
383902.03	3770402.00	0.01106	383952.03	3770402.00	0.00951						
384002.03	3770402.00	0.00821	384052.03	3770402.00	0.00735						
384102.03	3770402.00	0.00658	384152.03	3770402.00	0.00595						
384202.03	3770402.00	0.00541	384252.03	3770402.00	0.00494						
384302.03	3770402.00	0.00453	384352.03	3770402.00	0.00417						
384402.03	3770402.00	0.00386	384452.03	3770402.00	0.00359						
384502.03	3770402.00	0.00337	384552.03	3770402.00	0.00319						
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation			***	04/20/10					
		*** HRA - PM Diesel (Unmitigated)			***	11:23:25					
**MODELOPTs:						PAGE 104					
CONC		DFAULT ELEV									
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: ALL ***											
INCLUDING SOURCE(S): SITE , HAULIDLE, L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, . . . ,											
*** DISCRETE CARTESIAN RECEPTOR POINTS ***											
** CONC OF DPM			IN MICROGRAMS/M**3		**						
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC						
384602.03	3770402.00	0.00303	384652.03	3770402.00	0.00290						
384702.03	3770402.00	0.00278	382752.03	3770452.00	0.02219						
382802.03	3770452.00	0.02530	382852.03	3770452.00	0.02895						
382902.03	3770452.00	0.03323	382952.03	3770452.00	0.03824						
383002.03	3770452.00	0.04403	383052.03	3770452.00	0.05066						
383102.03	3770452.00	0.05814	383152.03	3770452.00	0.06645						
383202.03	3770452.00	0.07546	383252.03	3770452.00	0.08492						
383302.03	3770452.00	0.09437	383352.03	3770452.00	0.10308						
383402.03	3770452.00	0.10981	383452.03	3770452.00	0.11269						
383502.03	3770452.00	0.10977	383552.03	3770452.00	0.09977						
383602.03	3770452.00	0.08283	383652.03	3770452.00	0.06207						
383702.03	3770452.00	0.04239	383752.03	3770452.00	0.02806						
383802.03	3770452.00	0.01990	383852.03	3770452.00	0.01549						
383902.03	3770452.00	0.01272	383952.03	3770452.00	0.01077						
384002.03	3770452.00	0.00932	384052.03	3770452.00	0.00822						
384102.03	3770452.00	0.00733	384152.03	3770452.00	0.00660						
384202.03	3770452.00	0.00597	384252.03	3770452.00	0.00543						
384302.03	3770452.00	0.00496	384352.03	3770452.00	0.00455						
384402.03	3770452.00	0.00420	384452.03	3770452.00	0.00392						
384502.03	3770452.00	0.00368	384552.03	3770452.00	0.00348						
384602.03	3770452.00	0.00331	384652.03	3770452.00	0.00316						
384702.03	3770452.00	0.00302	382752.03	3770502.00	0.02073						
382802.03	3770502.00	0.02368	382852.03	3770502.00	0.02720						
382902.03	3770502.00	0.03138	382952.03	3770502.00	0.03635						
383002.03	3770502.00	0.04222	383052.03	3770502.00	0.04910						
383102.03	3770502.00	0.05708	383152.03	3770502.00	0.06623						
383202.03	3770502.00	0.07655	383252.03	3770502.00	0.08797						
383302.03	3770502.00	0.10028	383352.03	3770502.00	0.11308						
383402.03	3770502.00	0.12562	383452.03	3770502.00	0.13611						
383502.03	3770502.00	0.14116	383552.03	3770502.00	0.13763						
383602.03	3770502.00	0.12190	383652.03	3770502.00	0.09185						
383702.03	3770502.00	0.06095	383752.03	3770502.00	0.03746						
383802.03	3770502.00	0.02489	383852.03	3770502.00	0.01874						
383902.03	3770502.00	0.01503	383952.03	3770502.00	0.01255						
384002.03	3770502.00	0.01078	384052.03	3770502.00	0.00944						
384102.03	3770502.00	0.00837	384152.03	3770502.00	0.00747						
384202.03	3770502.00	0.00671	384252.03	3770502.00	0.00606						
384302.03	3770502.00	0.00551	384352.03	3770502.00	0.00504						
384402.03	3770502.00	0.00466	384452.03	3770502.00	0.00434						
384502.03	3770502.00	0.00407	384552.03	3770502.00	0.00384						
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation			***	04/20/10					
		*** HRA - PM Diesel (Unmitigated)			***	11:23:25					
**MODELOPTs:						PAGE 105					
CONC		DFAULT ELEV									
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: ALL ***											
INCLUDING SOURCE(S): SITE , HAULIDLE, L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, . . . ,											

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

*** DISCRETE CARTESIAN RECEPTOR POINTS ***											
** CONC OF DPM			IN MICROGRAMS/M**3		**						
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC						
384602.03	3770502.00	0.00364	384652.03	3770502.00	0.00346						
384702.03	3770502.00	0.00329	382752.03	3770552.00	0.01927						
382802.03	3770552.00	0.02203	382852.03	3770552.00	0.02536						
382902.03	3770552.00	0.02937	382952.03	3770552.00	0.03420						
383002.03	3770552.00	0.04002	383052.03	3770552.00	0.04698						
383102.03	3770552.00	0.05525	383152.03	3770552.00	0.06501						
383202.03	3770552.00	0.07640	383252.03	3770552.00	0.08953						
383302.03	3770552.00	0.10450	383352.03	3770552.00	0.12141						
383402.03	3770552.00	0.14077	383452.03	3770552.00	0.16478						
383502.03	3770552.00	0.19427	383552.03	3770552.00	0.22741						
383602.03	3770552.00	0.19059	383652.03	3770552.00	0.15457						
383702.03	3770552.00	0.09880	383752.03	3770552.00	0.05580						
383802.03	3770552.00	0.03332	383852.03	3770552.00	0.02389						
383902.03	3770552.00	0.01869	383952.03	3770552.00	0.01538						
384002.03	3770552.00	0.01305	384052.03	3770552.00	0.01128						
384102.03	3770552.00	0.00986	384152.03	3770552.00	0.00870						
384202.03	3770552.00	0.00774	384252.03	3770552.00	0.00693						
384302.03	3770552.00	0.00626	384352.03	3770552.00	0.00571						
384402.03	3770552.00	0.00526	384452.03	3770552.00	0.00488						
384502.03	3770552.00	0.00456	384552.03	3770552.00	0.00429						
384602.03	3770552.00	0.00404	384652.03	3770552.00	0.00382						
384702.03	3770552.00	0.00361	382752.03	3770602.00	0.01784						
382802.03	3770602.00	0.02038	382852.03	3770602.00	0.02348						
382902.03	3770602.00	0.02725	382952.03	3770602.00	0.03185						
383002.03	3770602.00	0.03749	383052.03	3770602.00	0.04436						
383102.03	3770602.00	0.05272	383152.03	3770602.00	0.06282						
383202.03	3770602.00	0.07496	383252.03	3770602.00	0.08945						
383302.03	3770602.00	0.10665	383352.03	3770602.00	0.12715						
383402.03	3770602.00	0.15263	383452.03	3770602.00	0.19518						
383502.03	3770602.00	0.28111	383552.03	3770602.00	0.29212						
383602.03	3770602.00	0.28101	383652.03	3770602.00	0.24922						
383702.03	3770602.00	0.19049	383752.03	3770602.00	0.11642						
383802.03	3770602.00	0.05365	383852.03	3770602.00	0.03461						
383902.03	3770602.00	0.02579	383952.03	3770602.00	0.02044						
384002.03	3770602.00	0.01680	384052.03	3770602.00	0.01414						
384102.03	3770602.00	0.01209	384152.03	3770602.00	0.01048						
384202.03	3770602.00	0.00919	384252.03	3770602.00	0.00814						
384302.03	3770602.00	0.00730	384352.03	3770602.00	0.00662						
384402.03	3770602.00	0.00606	384452.03	3770602.00	0.00559						
384502.03	3770602.00	0.00519	384552.03	3770602.00	0.00484						
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation			***	04/20/10					
		*** HRA - PM Diesel (Unmitigated)			***	11:23:25					
**MODELOPTs:		DFAULT ELEV			PAGE 106						
CONC											
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: ALL ***											
INCLUDING SOURCE(S): SITE , HAULIDLE, L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, . . . ,											
*** DISCRETE CARTESIAN RECEPTOR POINTS ***											
** CONC OF DPM			IN MICROGRAMS/M**3		**						
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC						
384602.03	3770602.00	0.00453	384652.03	3770602.00	0.00424						
384702.03	3770602.00	0.00399	382752.03	3770652.00	0.01645						
382802.03	3770652.00	0.01876	382852.03	3770652.00	0.02159						
382902.03	3770652.00	0.02507	382952.03	3770652.00	0.02937						
383002.03	3770652.00	0.03471	383052.03	3770652.00	0.04133						
383102.03	3770652.00	0.04955	383152.03	3770652.00	0.05972						
383202.03	3770652.00	0.07226	383252.03	3770652.00	0.08766						
383302.03	3770652.00	0.10654	383352.03	3770652.00	0.12980						
383402.03	3770652.00	0.15939	383452.03	3770652.00	0.20167						
383502.03	3770652.00	0.28750	383552.03	3770652.00	0.38072						
383602.03	3770652.00	0.40208	383652.03	3770652.00	0.42924						
383702.03	3770652.00	0.42413	383802.03	3770652.00	0.13249						
383852.03	3770652.00	0.06180	383902.03	3770652.00	0.04012						
383952.03	3770652.00	0.02934	384002.03	3770652.00	0.02284						
384052.03	3770652.00	0.01847	384102.03	3770652.00	0.01534						
384152.03	3770652.00	0.01299	384202.03	3770652.00	0.01119						
384252.03	3770652.00	0.00979	384302.03	3770652.00	0.00868						
384352.03	3770652.00	0.00780	384402.03	3770652.00	0.00708						
384452.03	3770652.00	0.00647	384502.03	3770652.00	0.00595						
384552.03	3770652.00	0.00550	384602.03	3770652.00	0.00510						
384652.03	3770652.00	0.00474	384702.03	3770652.00	0.00442						
382752.03	3770702.00	0.01511	382802.03	3770702.00	0.01719						
382852.03	3770702.00	0.01973	382902.03	3770702.00	0.02289						
382952.03	3770702.00	0.02683	383002.03	3770702.00	0.03176						
383052.03	3770702.00	0.03799	383102.03	3770702.00	0.04587						
383152.03	3770702.00	0.05582	383202.03	3770702.00	0.06839						
383252.03	3770702.00	0.08425	383302.03	3770702.00	0.10423						
383352.03	3770702.00	0.12951	383402.03	3770702.00	0.16223						
383452.03	3770702.00	0.20711	383502.03	3770702.00	0.27551						
383552.03	3770702.00	0.39367	383602.03	3770702.00	0.24527						
383652.03	3770702.00	0.10465	383702.03	3770702.00	0.06179						
383752.03	3770702.00	0.04223	383802.03	3770702.00	0.03128						
383852.03	3770702.00	0.02437	383902.03	3770702.00	0.01966						
383952.03	3770702.00	0.01629	384002.03	3770702.00	0.01379						
384052.03	3770702.00	0.01190	384102.03	3770702.00	0.01043						
384152.03	3770702.00	0.00927	384202.03	3770702.00	0.00832						
384252.03	3770702.00	0.00753	384302.03	3770702.00	0.00685						
384352.03	3770702.00	0.00627	384402.03	3770702.00	0.00576						
384452.03	3770702.00	0.00531	384502.03	3770702.00	0.00492						
384552.03	3770702.00	0.01385	384602.03	3770702.00	0.01569						
382752.03	3770752.00		382802.03	3770752.00							
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation			***	04/20/10					
		*** HRA - PM Diesel (Unmitigated)			***	11:23:25					
**MODELOPTs:		DFAULT ELEV			PAGE 107						
CONC											
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: ALL ***											
INCLUDING SOURCE(S): SITE , HAULIDLE, L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, . . . ,											
*** DISCRETE CARTESIAN RECEPTOR POINTS ***											

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

** CONC OF DPM IN MICROGRAMS/M**3 **											
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC						
382852.03	3770752.00	0.01795	382902.03	3770752.00	0.02076						
382952.03	3770752.00	0.02429	383002.03	3770752.00	0.02876						
383052.03	3770752.00	0.03447	383102.03	3770752.00	0.04181						
383152.03	3770752.00	0.05127	383202.03	3770752.00	0.06349						
383252.03	3770752.00	0.07932	383302.03	3770752.00	0.09981						
383352.03	3770752.00	0.12643	383402.03	3770752.00	0.16167						
383452.03	3770752.00	0.21029	383502.03	3770752.00	0.28375						
383552.03	3770752.00	0.41967	383802.03	3770752.00	0.31788						
383852.03	3770752.00	0.14502	383902.03	3770752.00	0.08519						
383952.03	3770752.00	0.05696	384002.03	3770752.00	0.04120						
384052.03	3770752.00	0.03139	384102.03	3770752.00	0.02485						
384152.03	3770752.00	0.02026	384202.03	3770752.00	0.01693						
384252.03	3770752.00	0.01444	384302.03	3770752.00	0.01252						
384352.03	3770752.00	0.01100	384402.03	3770752.00	0.00977						
384452.03	3770752.00	0.00875	384502.03	3770752.00	0.00788						
384552.03	3770752.00	0.00715	384602.03	3770752.00	0.00651						
384652.03	3770752.00	0.00596	384702.03	3770752.00	0.00549						
382752.03	3770802.00	0.01267	382802.03	3770802.00	0.01428						
382852.03	3770802.00	0.01626	382902.03	3770802.00	0.01873						
382952.03	3770802.00	0.02184	383002.03	3770802.00	0.02580						
383052.03	3770802.00	0.03091	383102.03	3770802.00	0.03756						
383152.03	3770802.00	0.04629	383202.03	3770802.00	0.05781						
383252.03	3770802.00	0.07310	383302.03	3770802.00	0.09345						
383352.03	3770802.00	0.12066	383402.03	3770802.00	0.15762						
383452.03	3770802.00	0.20954	383502.03	3770802.00	0.28874						
383552.03	3770802.00	0.43950	383802.03	3770802.00	0.35946						
383852.03	3770802.00	0.17531	383902.03	3770802.00	0.10554						
383952.03	3770802.00	0.07100	384002.03	3770802.00	0.05122						
384052.03	3770802.00	0.03878	384102.03	3770802.00	0.03047						
384152.03	3770802.00	0.02466	384202.03	3770802.00	0.02045						
384252.03	3770802.00	0.01730	384302.03	3770802.00	0.01486						
384352.03	3770802.00	0.01294	384402.03	3770802.00	0.01138						
384452.03	3770802.00	0.01010	384502.03	3770802.00	0.00903						
384552.03	3770802.00	0.00812	384602.03	3770802.00	0.00735						
384652.03	3770802.00	0.00669	384702.03	3770802.00	0.00613						
382752.03	3770852.00	0.01156	382802.03	3770852.00	0.01297						
382852.03	3770852.00	0.01469	382902.03	3770852.00	0.01683						
382952.03	3770852.00	0.01953	383002.03	3770852.00	0.02297						
383052.03	3770852.00	0.02743	383102.03	3770852.00	0.03331						
383152.03	3770852.00	0.04112	383202.03	3770852.00	0.05164						
*** AERMOD - VERSION 07026 ***											
		*** Echo Park Lake Rehabilitation			***						
		*** HRA - PM Diesel (Unmitigated)			***						
**MODELOPTS:		DFAULT ELEV			04/20/10						
CONC					11:23:25						
					PAGE 108						
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: ALL ***											
INCLUDING SOURCE(S): SITE , HAULIDLE, L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, . . . ,											
*** DISCRETE CARTESIAN RECEPTOR POINTS ***											
** CONC OF DPM IN MICROGRAMS/M**3 **											
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC						
383252.03	3770852.00	0.06592	383302.03	3770852.00	0.08546						
383352.03	3770852.00	0.11240	383402.03	3770852.00	0.15010						
383452.03	3770852.00	0.20457	383502.03	3770852.00	0.28979						
383552.03	3770852.00	0.45780	383802.03	3770852.00	0.38422						
383852.03	3770852.00	0.19682	383902.03	3770852.00	0.12165						
383952.03	3770852.00	0.08307	384002.03	3770852.00	0.06041						
384052.03	3770852.00	0.04593	384102.03	3770852.00	0.03612						
384152.03	3770852.00	0.02921	384202.03	3770852.00	0.02414						
384252.03	3770852.00	0.02032	384302.03	3770852.00	0.01736						
384352.03	3770852.00	0.01501	384402.03	3770852.00	0.01311						
384452.03	3770852.00	0.01155	384502.03	3770852.00	0.01026						
384552.03	3770852.00	0.00918	384602.03	3770852.00	0.00827						
384652.03	3770852.00	0.00750	384702.03	3770852.00	0.00684						
382752.03	3770902.00	0.01052	382802.03	3770902.00	0.01175						
382852.03	3770902.00	0.01324	382902.03	3770902.00	0.01508						
382952.03	3770902.00	0.01739	383002.03	3770902.00	0.02034						
383052.03	3770902.00	0.02416	383102.03	3770902.00	0.02921						
383152.03	3770902.00	0.03600	383202.03	3770902.00	0.04529						
383252.03	3770902.00	0.05817	383302.03	3770902.00	0.07626						
383352.03	3770902.00	0.10199	383402.03	3770902.00	0.13927						
383452.03	3770902.00	0.19514	383502.03	3770902.00	0.28588						
383552.03	3770902.00	0.47124	383802.03	3770902.00	0.40378						
383852.03	3770902.00	0.21353	383902.03	3770902.00	0.13476						
383952.03	3770902.00	0.09341	384002.03	3770902.00	0.06866						
384052.03	3770902.00	0.05261	384102.03	3770902.00	0.04159						
384152.03	3770902.00	0.03370	384202.03	3770902.00	0.02785						
384252.03	3770902.00	0.02339	384302.03	3770902.00	0.01990						
384352.03	3770902.00	0.01713	384402.03	3770902.00	0.01490						
384452.03	3770902.00	0.01308	384502.03	3770902.00	0.01158						
384552.03	3770902.00	0.01032	384602.03	3770902.00	0.00927						
384652.03	3770902.00	0.00838	384702.03	3770902.00	0.00761						
382752.03	3770952.00	0.00956	382802.03	3770952.00	0.01062						
382852.03	3770952.00	0.01190	382902.03	3770952.00	0.01348						
382952.03	3770952.00	0.01544	383002.03	3770952.00	0.01792						
383052.03	3770952.00	0.02114	383102.03	3770952.00	0.02538						
383152.03	3770952.00	0.03112	383202.03	3770952.00	0.03904						
383252.03	3770952.00	0.05022	383302.03	3770952.00	0.06631						
383352.03	3770952.00	0.08995	383402.03	3770952.00	0.12551						
383452.03	3770952.00	0.18106	383502.03	3770952.00	0.27537						
383552.03	3770952.00	0.47662	383802.03	3770952.00	0.44887						
*** AERMOD - VERSION 07026 ***											
		*** Echo Park Lake Rehabilitation			***						
		*** HRA - PM Diesel (Unmitigated)			***						
**MODELOPTS:		DFAULT ELEV			04/20/10						
CONC					11:23:25						
					PAGE 109						
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: ALL ***											
INCLUDING SOURCE(S): SITE , HAULIDLE, L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, . . . ,											
*** DISCRETE CARTESIAN RECEPTOR POINTS ***											
** CONC OF DPM IN MICROGRAMS/M**3 **											
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC						

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC				
383852.03	3770952.00	0.23383	383902.03	3770952.00	0.14830				
383952.03	3770952.00	0.10356	384002.03	3770952.00	0.07665				
384052.03	3770952.00	0.05908	384102.03	3770952.00	0.04690				
384152.03	3770952.00	0.03809	384202.03	3770952.00	0.03149				
384252.03	3770952.00	0.02622	384302.03	3770952.00	0.02244				
384352.03	3770952.00	0.01928	384402.03	3770952.00	0.01673				
384452.03	3770952.00	0.01465	384502.03	3770952.00	0.01294				
384552.03	3770952.00	0.01151	384602.03	3770952.00	0.01031				
384652.03	3770952.00	0.00930	384702.03	3770952.00	0.00843				
382752.03	3771002.00	0.00865	382802.03	3771002.00	0.00957				
382852.03	3771002.00	0.01067	382902.03	3771002.00	0.01201				
382952.03	3771002.00	0.01366	383002.03	3771002.00	0.01573				
383052.03	3771002.00	0.01840	383102.03	3771002.00	0.02189				
383152.03	3771002.00	0.02660	383202.03	3771002.00	0.03314				
383252.03	3771002.00	0.04247	383302.03	3771002.00	0.05618				
383352.03	3771002.00	0.07696	383402.03	3771002.00	0.10946				
383452.03	3771002.00	0.16255	383502.03	3771002.00	0.25697				
383552.03	3771002.00	0.46802	383802.03	3771002.00	0.59077				
383852.03	3771002.00	0.27269	383902.03	3771002.00	0.16730				
383952.03	3771002.00	0.11573	384002.03	3771002.00	0.08543				
384052.03	3771002.00	0.06582	384102.03	3771002.00	0.05226				
384152.03	3771002.00	0.04242	384202.03	3771002.00	0.03504				
384252.03	3771002.00	0.02938	384302.03	3771002.00	0.02494				
384352.03	3771002.00	0.02140	384402.03	3771002.00	0.01856				
384452.03	3771002.00	0.01623	384502.03	3771002.00	0.01432				
384552.03	3771002.00	0.01272	384602.03	3771002.00	0.01138				
384652.03	3771002.00	0.01024	384702.03	3771002.00	0.00927				
382752.03	3771052.00	0.00779	382802.03	3771052.00	0.00858				
382852.03	3771052.00	0.00952	382902.03	3771052.00	0.01065				
382952.03	3771052.00	0.01203	383002.03	3771052.00	0.01374				
383052.03	3771052.00	0.01592	383102.03	3771052.00	0.01875				
383152.03	3771052.00	0.02253	383202.03	3771052.00	0.02776				
383252.03	3771052.00	0.03525	383302.03	3771052.00	0.04642				
383352.03	3771052.00	0.06380	383402.03	3771052.00	0.09202				
383452.03	3771052.00	0.14034	383502.03	3771052.00	0.23088				
383552.03	3771052.00	0.44216	383852.03	3771052.00	0.34390				
383902.03	3771052.00	0.19583	383952.03	3771052.00	0.13171				
384002.03	3771052.00	0.09586	384052.03	3771052.00	0.07321				
384102.03	3771052.00	0.05779	384152.03	3771052.00	0.04673				
384202.03	3771052.00	0.03852	384252.03	3771052.00	0.03224				
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***					
*** HRA - PM Diesel (Unmitigated)				***					
**MODELOPTs:		DFAULT ELEV		04/20/10					
CONC				11:23:25					
				PAGE 110					
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: ALL ***									
INCLUDING SOURCE(S): SITE , HAULIDLE, L0000001, L0000002, L0000003, L0000004, L0000005,									
L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017,									
L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, . . . ,									
*** DISCRETE CARTESIAN RECEPTOR POINTS ***									
		** CONC OF DPM	IN MICROGRAMS/M**3		**				
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC				
384302.03	3771052.00	0.02735	384352.03	3771052.00	0.02346				
384402.03	3771052.00	0.02033	384452.03	3771052.00	0.01777				
384502.03	3771052.00	0.01566	384552.03	3771052.00	0.01390				
384602.03	3771052.00	0.01242	384652.03	3771052.00	0.01116				
384702.03	3771052.00	0.01009	382752.03	3771102.00	0.00699				
382802.03	3771102.00	0.00766	382852.03	3771102.00	0.00845				
382902.03	3771102.00	0.00939	382952.03	3771102.00	0.01053				
383002.03	3771102.00	0.01193	383052.03	3771102.00	0.01369				
383102.03	3771102.00	0.01594	383152.03	3771102.00	0.01892				
383202.03	3771102.00	0.02300	383252.03	3771102.00	0.02881				
383302.03	3771102.00	0.03751	383352.03	3771102.00	0.05126				
383402.03	3771102.00	0.07431	383452.03	3771102.00	0.11571				
383502.03	3771102.00	0.19775	383552.03	3771102.00	0.40035				
383852.03	3771102.00	0.47908	383902.03	3771102.00	0.23766				
383952.03	3771102.00	0.15219	384002.03	3771102.00	0.10791				
384052.03	3771102.00	0.08107	384102.03	3771102.00	0.06333				
384152.03	3771102.00	0.05089	384202.03	3771102.00	0.04179				
384252.03	3771102.00	0.03491	384302.03	3771102.00	0.02958				
384352.03	3771102.00	0.02535	384402.03	3771102.00	0.02195				
384452.03	3771102.00	0.01918	384502.03	3771102.00	0.01690				
384552.03	3771102.00	0.01499	384602.03	3771102.00	0.01339				
384652.03	3771102.00	0.01203	384702.03	3771102.00	0.01087				
382752.03	3771152.00	0.00623	382802.03	3771152.00	0.00679				
382852.03	3771152.00	0.00745	382902.03	3771152.00	0.00822				
382952.03	3771152.00	0.00915	383002.03	3771152.00	0.01028				
383052.03	3771152.00	0.01168	383102.03	3771152.00	0.01346				
383152.03	3771152.00	0.01577	383202.03	3771152.00	0.01889				
383252.03	3771152.00	0.02328	383302.03	3771152.00	0.02979				
383352.03	3771152.00	0.04007	383402.03	3771152.00	0.05764				
383452.03	3771152.00	0.09055	383502.03	3771152.00	0.15965				
383552.03	3771152.00	0.33894	383902.03	3771152.00	0.29514				
383952.03	3771152.00	0.17411	384002.03	3771152.00	0.11919				
384052.03	3771152.00	0.08795	384102.03	3771152.00	0.06802				
384152.03	3771152.00	0.05436	384202.03	3771152.00	0.04449				
384252.03	3771152.00	0.03710	384302.03	3771152.00	0.03141				
384352.03	3771152.00	0.02693	384402.03	3771152.00	0.02332				
384452.03	3771152.00	0.02038	384502.03	3771152.00	0.01796				
384552.03	3771152.00	0.01594	384602.03	3771152.00	0.01424				
384652.03	3771152.00	0.01279	384702.03	3771152.00	0.01156				
382752.03	3771202.00	0.00553	382802.03	3771202.00	0.00600				
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***					
*** HRA - PM Diesel (Unmitigated)				***					
**MODELOPTs:		DFAULT ELEV		04/20/10					
CONC				11:23:25					
				PAGE 111					
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: ALL ***									
INCLUDING SOURCE(S): SITE , HAULIDLE, L0000001, L0000002, L0000003, L0000004, L0000005,									
L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017,									
L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, . . . ,									
*** DISCRETE CARTESIAN RECEPTOR POINTS ***									
		** CONC OF DPM	IN MICROGRAMS/M**3		**				
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC				

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

382852.03	3771202.00	0.00653	382902.03	3771202.00	0.00716				
382952.03	3771202.00	0.00791	383002.03	3771202.00	0.00881				
383052.03	3771202.00	0.00991	383102.03	3771202.00	0.01129				
383152.03	3771202.00	0.01306	383202.03	3771202.00	0.01542				
383252.03	3771202.00	0.01867	383302.03	3771202.00	0.02340				
383352.03	3771202.00	0.03075	383402.03	3771202.00	0.04324				
383452.03	3771202.00	0.06708	383502.03	3771202.00	0.12022				
383552.03	3771202.00	0.26813	383852.03	3771202.00	0.68778				
383902.03	3771202.00	0.31105	383952.03	3771202.00	0.18135				
384002.03	3771202.00	0.12360	384052.03	3771202.00	0.09107				
384102.03	3771202.00	0.07040	384152.03	3771202.00	0.05628				
384202.03	3771202.00	0.04610	384252.03	3771202.00	0.03849				
384302.03	3771202.00	0.03264	384352.03	3771202.00	0.02802				
384402.03	3771202.00	0.02431	384452.03	3771202.00	0.02128				
384502.03	3771202.00	0.01878	384552.03	3771202.00	0.01668				
384602.03	3771202.00	0.01492	384652.03	3771202.00	0.01342				
384702.03	3771202.00	0.01213	382752.03	3771252.00	0.00491				
382802.03	3771252.00	0.00528	382852.03	3771252.00	0.00571				
382902.03	3771252.00	0.00622	382952.03	3771252.00	0.00681				
383002.03	3771252.00	0.00751	383052.03	3771252.00	0.00837				
383102.03	3771252.00	0.00943	383152.03	3771252.00	0.01078				
383202.03	3771252.00	0.01255	383252.03	3771252.00	0.01494				
383302.03	3771252.00	0.01835	383352.03	3771252.00	0.02350				
383402.03	3771252.00	0.03197	383452.03	3771252.00	0.04774				
383502.03	3771252.00	0.08321	383552.03	3771252.00	0.19199				
383752.03	3771252.00	0.85218	383802.03	3771252.00	0.60959				
383852.03	3771252.00	0.39604	383902.03	3771252.00	0.24846				
383952.03	3771252.00	0.16433	384002.03	3771252.00	0.11729				
384052.03	3771252.00	0.08847	384102.03	3771252.00	0.06938				
384152.03	3771252.00	0.05600	384202.03	3771252.00	0.04621				
384252.03	3771252.00	0.03880	384302.03	3771252.00	0.03306				
384352.03	3771252.00	0.02850	384402.03	3771252.00	0.02481				
384452.03	3771252.00	0.02179	384502.03	3771252.00	0.01928				
384552.03	3771252.00	0.01718	384602.03	3771252.00	0.01539				
384652.03	3771252.00	0.01387	384702.03	3771252.00	0.01256				
382752.03	3771302.00	0.00435	382802.03	3771302.00	0.00466				
382852.03	3771302.00	0.00500	382902.03	3771302.00	0.00540				
382952.03	3771302.00	0.00587	383002.03	3771302.00	0.00642				
383052.03	3771302.00	0.00708	383102.03	3771302.00	0.00790				
383152.03	3771302.00	0.00892	383202.03	3771302.00	0.01025				
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	04/20/10				
*** HRA - PM Diesel (Unmitigated)				***	11:23:25				
**MODELOPTs:				PAGE 112					
CONC		DEFAULT ELEV							
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: ALL ***									
INCLUDING SOURCE(S): SITE , HAULIDLE, L0000001, L0000002, L0000003, L0000004, L0000005,									
L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017,									
L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, . . . ,									
*** DISCRETE CARTESIAN RECEPTOR POINTS ***									
** CONC OF DPM IN MICROGRAMS/M**3 **									
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC				
383252.03	3771302.00	0.01202	383302.03	3771302.00	0.01449				
383352.03	3771302.00	0.01815	383402.03	3771302.00	0.02397				
383452.03	3771302.00	0.03423	383502.03	3771302.00	0.05536				
383552.03	3771302.00	0.11357	383702.03	3771302.00	0.54705				
383752.03	3771302.00	0.43073	383802.03	3771302.00	0.34377				
383852.03	3771302.00	0.26008	383902.03	3771302.00	0.18845				
383952.03	3771302.00	0.13742	384002.03	3771302.00	0.10373				
384052.03	3771302.00	0.08104	384102.03	3771302.00	0.06511				
384152.03	3771302.00	0.05348	384202.03	3771302.00	0.04471				
384252.03	3771302.00	0.03794	384302.03	3771302.00	0.03259				
384352.03	3771302.00	0.02829	384402.03	3771302.00	0.02478				
384452.03	3771302.00	0.02187	384502.03	3771302.00	0.01944				
384552.03	3771302.00	0.01738	384602.03	3771302.00	0.01563				
384652.03	3771302.00	0.01413	384702.03	3771302.00	0.01283				
382752.03	3771352.00	0.00388	382802.03	3771352.00	0.00412				
382852.03	3771352.00	0.00440	382902.03	3771352.00	0.00472				
382952.03	3771352.00	0.00508	383002.03	3771352.00	0.00552				
383052.03	3771352.00	0.00603	383102.03	3771352.00	0.00667				
383152.03	3771352.00	0.00745	383202.03	3771352.00	0.00847				
383252.03	3771352.00	0.00981	383302.03	3771352.00	0.01166				
383352.03	3771352.00	0.01438	383402.03	3771352.00	0.01864				
383452.03	3771352.00	0.02592	383502.03	3771352.00	0.03095				
383552.03	3771352.00	0.07306	383602.03	3771352.00	0.18763				
383652.03	3771352.00	0.33497	383702.03	3771352.00	0.29331				
383752.03	3771352.00	0.25923	383802.03	3771352.00	0.22353				
383852.03	3771352.00	0.18288	383902.03	3771352.00	0.14355				
383952.03	3771352.00	0.11169	384002.03	3771352.00	0.08826				
384052.03	3771352.00	0.07131	384102.03	3771352.00	0.05880				
384152.03	3771352.00	0.04929	384202.03	3771352.00	0.04190				
384252.03	3771352.00	0.03603	384302.03	3771352.00	0.03130				
384352.03	3771352.00	0.02743	384402.03	3771352.00	0.02421				
384452.03	3771352.00	0.02152	384502.03	3771352.00	0.01924				
384552.03	3771352.00	0.01729	384602.03	3771352.00	0.01562				
384652.03	3771352.00	0.01418	384702.03	3771352.00	0.01292				
382752.03	3771402.00	0.00347	382802.03	3771402.00	0.00367				
382852.03	3771402.00	0.00389	382902.03	3771402.00	0.00414				
382952.03	3771402.00	0.00444	383002.03	3771402.00	0.00478				
383052.03	3771402.00	0.00519	383102.03	3771402.00	0.00569				
383152.03	3771402.00	0.00632	383202.03	3771402.00	0.00711				
383252.03	3771402.00	0.00818	383302.03	3771402.00	0.00965				
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	04/20/10				
*** HRA - PM Diesel (Unmitigated)				***	11:23:25				
**MODELOPTs:				PAGE 113					
CONC		DEFAULT ELEV							
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: ALL ***									
INCLUDING SOURCE(S): SITE , HAULIDLE, L0000001, L0000002, L0000003, L0000004, L0000005,									
L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017,									
L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, . . . ,									
*** DISCRETE CARTESIAN RECEPTOR POINTS ***									
** CONC OF DPM IN MICROGRAMS/M**3 **									
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC				
383352.03	3771402.00	0.01182	383402.03	3771402.00	0.01524				

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

383452.03	3771402.00	0.02108	383502.03	3771402.00	0.03212				
383552.03	3771402.00	0.05598	383602.03	3771402.00	0.10681				
383652.03	3771402.00	0.15987	383702.03	3771402.00	0.17538				
383752.03	3771402.00	0.17065	383802.03	3771402.00	0.15568				
383852.03	3771402.00	0.13421	383902.03	3771402.00	0.11103				
383952.03	3771402.00	0.09038	384002.03	3771402.00	0.07396				
384052.03	3771402.00	0.06142	384102.03	3771402.00	0.05180				
384152.03	3771402.00	0.04428	384202.03	3771402.00	0.03828				
384252.03	3771402.00	0.03340	384302.03	3771402.00	0.02938				
384352.03	3771402.00	0.02603	384402.03	3771402.00	0.02319				
384452.03	3771402.00	0.02078	384502.03	3771402.00	0.01871				
384552.03	3771402.00	0.01693	384602.03	3771402.00	0.01538				
384652.03	3771402.00	0.01403	384702.03	3771402.00	0.01284				
382752.03	3771452.00	0.00312	382802.03	3771452.00	0.00328				
382852.03	3771452.00	0.00346	382902.03	3771452.00	0.00367				
382952.03	3771452.00	0.00391	383002.03	3771452.00	0.00419				
383052.03	3771452.00	0.00452	383102.03	3771452.00	0.00493				
383152.03	3771452.00	0.00544	383202.03	3771452.00	0.00609				
383252.03	3771452.00	0.00698	383302.03	3771452.00	0.00823				
383352.03	3771452.00	0.01011	383402.03	3771452.00	0.01311				
383452.03	3771452.00	0.01821	383502.03	3771452.00	0.02753				
383552.03	3771452.00	0.04504	383602.03	3771452.00	0.07328				
383652.03	3771452.00	0.10186	383702.03	3771452.00	0.11740				
383752.03	3771452.00	0.12014	383802.03	3771452.00	0.11396				
383852.03	3771452.00	0.10197	383902.03	3771452.00	0.08755				
383952.03	3771452.00	0.07367	384002.03	3771452.00	0.06191				
384052.03	3771452.00	0.05250	384102.03	3771452.00	0.04508				
384152.03	3771452.00	0.03917	384202.03	3771452.00	0.03437				
384252.03	3771452.00	0.03041	384302.03	3771452.00	0.02708				
384352.03	3771452.00	0.02426	384402.03	3771452.00	0.02183				
384452.03	3771452.00	0.01974	384502.03	3771452.00	0.01792				
384552.03	3771452.00	0.01632	384602.03	3771452.00	0.01492				
384652.03	3771452.00	0.01369	384702.03	3771452.00	0.01259				
382752.03	3771502.00	0.00282	382802.03	3771502.00	0.00295				
382852.03	3771502.00	0.00310	382902.03	3771502.00	0.00327				
382952.03	3771502.00	0.00347	383002.03	3771502.00	0.00370				
383052.03	3771502.00	0.00397	383102.03	3771502.00	0.00432				
383152.03	3771502.00	0.00475	383202.03	3771502.00	0.00532				
383252.03	3771502.00	0.00611	383302.03	3771502.00	0.00725				
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***					
*** HRA - PM Diesel (Unmitigated)				04/20/10					
***				11:23:25					
***				PAGE 114					
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: ALL ***									
INCLUDING SOURCE(S): SITE , HAULIDLE, L0000001, L0000002, L0000003, L0000004, L0000005,									
L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017,									
L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, . . . ,									
*** DISCRETE CARTESIAN RECEPTOR POINTS ***									
** CONC OF DPM IN MICROGRAMS/M**3 **									
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC				
383352.03	3771502.00	0.00898	383402.03	3771502.00	0.01173				
383452.03	3771502.00	0.01632	383502.03	3771502.00	0.02416				
383552.03	3771502.00	0.03712	383602.03	3771502.00	0.05522				
383652.03	3771502.00	0.07343	383702.03	3771502.00	0.08545				
383752.03	3771502.00	0.08958	383802.03	3771502.00	0.08711				
383852.03	3771502.00	0.08002	383902.03	3771502.00	0.07058				
383952.03	3771502.00	0.06088	384002.03	3771502.00	0.05219				
384052.03	3771502.00	0.04498	384102.03	3771502.00	0.03915				
384152.03	3771502.00	0.03444	384202.03	3771502.00	0.03059				
384252.03	3771502.00	0.02738	384302.03	3771502.00	0.02465				
384352.03	3771502.00	0.02231	384402.03	3771502.00	0.02028				
384452.03	3771502.00	0.01850	384502.03	3771502.00	0.01693				
384552.03	3771502.00	0.01554	384602.03	3771502.00	0.01430				
384652.03	3771502.00	0.01320	384702.03	3771502.00	0.01221				
382752.03	3771552.00	0.00256	382802.03	3771552.00	0.00267				
382852.03	3771552.00	0.00279	382902.03	3771552.00	0.00293				
382952.03	3771552.00	0.00310	383002.03	3771552.00	0.00329				
383052.03	3771552.00	0.00353	383102.03	3771552.00	0.00383				
383152.03	3771552.00	0.00422	383202.03	3771552.00	0.00475				
383252.03	3771552.00	0.00549	383302.03	3771552.00	0.00658				
383352.03	3771552.00	0.00822	383402.03	3771552.00	0.01078				
383452.03	3771552.00	0.01489	383502.03	3771552.00	0.02143				
383552.03	3771552.00	0.03125	383602.03	3771552.00	0.04391				
383652.03	3771552.00	0.05658	383702.03	3771552.00	0.06576				
383752.03	3771552.00	0.06982	383802.03	3771552.00	0.06905				
383852.03	3771552.00	0.06466	383902.03	3771552.00	0.05819				
383952.03	3771552.00	0.05114	384002.03	3771552.00	0.04453				
384052.03	3771552.00	0.03884	384102.03	3771552.00	0.03414				
384152.03	3771552.00	0.03031	384202.03	3771552.00	0.02715				
384252.03	3771552.00	0.02452	384302.03	3771552.00	0.02228				
384352.03	3771552.00	0.02035	384402.03	3771552.00	0.01866				
384452.03	3771552.00	0.01716	384502.03	3771552.00	0.01583				
384552.03	3771552.00	0.01464	384602.03	3771552.00	0.01356				
384652.03	3771552.00	0.01259	384702.03	3771552.00	0.01172				
382752.03	3771602.00	0.00233	382802.03	3771602.00	0.00242				
382852.03	3771602.00	0.00252	382902.03	3771602.00	0.00264				
382952.03	3771602.00	0.00279	383002.03	3771602.00	0.00296				
383052.03	3771602.00	0.00317	383102.03	3771602.00	0.00345				
383152.03	3771602.00	0.00383	383202.03	3771602.00	0.00434				
383252.03	3771602.00	0.00506	383302.03	3771602.00	0.00611				
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***					
*** HRA - PM Diesel (Unmitigated)				04/20/10					
***				11:23:25					
***				PAGE 115					
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: ALL ***									
INCLUDING SOURCE(S): SITE , HAULIDLE, L0000001, L0000002, L0000003, L0000004, L0000005,									
L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017,									
L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, . . . ,									
*** DISCRETE CARTESIAN RECEPTOR POINTS ***									
** CONC OF DPM IN MICROGRAMS/M**3 **									
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC				
383352.03	3771602.00	0.00767	383402.03	3771602.00	0.01005				
383452.03	3771602.00	0.01369	383502.03	3771602.00	0.01915				
383552.03	3771602.00	0.02680	383602.03	3771602.00	0.03616				

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

383652.03	3771602.00	0.04549	383702.03	3771602.00	0.05262				
383752.03	3771602.00	0.05627	383802.03	3771602.00	0.05635				
383852.03	3771602.00	0.05356	383902.03	3771602.00	0.04897				
383952.03	3771602.00	0.04369	384002.03	3771602.00	0.03852				
384052.03	3771602.00	0.03392	384102.03	3771602.00	0.03003				
384152.03	3771602.00	0.02682	384202.03	3771602.00	0.02417				
384252.03	3771602.00	0.02197	384302.03	3771602.00	0.02010				
384352.03	3771602.00	0.01848	384402.03	3771602.00	0.01707				
384452.03	3771602.00	0.01582	384502.03	3771602.00	0.01470				
384552.03	3771602.00	0.01368	384602.03	3771602.00	0.01276				
384652.03	3771602.00	0.01192	384702.03	3771602.00	0.01115				
382752.03	3771652.00	0.00213	382802.03	3771652.00	0.00220				
382852.03	3771652.00	0.00229	382902.03	3771652.00	0.00240				
382952.03	3771652.00	0.00253	383002.03	3771652.00	0.00269				
383052.03	3771652.00	0.00289	383102.03	3771652.00	0.00317				
383152.03	3771652.00	0.00353	383202.03	3771652.00	0.00404				
383252.03	3771652.00	0.00475	383302.03	3771652.00	0.00577				
383352.03	3771652.00	0.00725	383402.03	3771652.00	0.00944				
383452.03	3771652.00	0.01266	383502.03	3771652.00	0.01724				
383552.03	3771652.00	0.02334	383602.03	3771652.00	0.03055				
383652.03	3771652.00	0.03769	383702.03	3771652.00	0.04335				
383752.03	3771652.00	0.04654	383802.03	3771652.00	0.04704				
383852.03	3771652.00	0.04527	383902.03	3771652.00	0.04195				
383952.03	3771652.00	0.03790	384002.03	3771652.00	0.03377				
384052.03	3771652.00	0.02998	384102.03	3771652.00	0.02670				
384152.03	3771652.00	0.02394	384202.03	3771652.00	0.02166				
384252.03	3771652.00	0.01976	384302.03	3771652.00	0.01816				
384352.03	3771652.00	0.01679	384402.03	3771652.00	0.01559				
384452.03	3771652.00	0.01454	384502.03	3771652.00	0.01359				
384552.03	3771652.00	0.01272	384602.03	3771652.00	0.01194				
384652.03	3771652.00	0.01121	384702.03	3771652.00	0.01055				
382752.03	3771702.00	0.00195	382802.03	3771702.00	0.00202				
382852.03	3771702.00	0.00210	382902.03	3771702.00	0.00219				
382952.03	3771702.00	0.00232	383002.03	3771702.00	0.00247				
383052.03	3771702.00	0.00268	383102.03	3771702.00	0.00295				
383152.03	3771702.00	0.00332	383202.03	3771702.00	0.00383				
383252.03	3771702.00	0.00452	383302.03	3771702.00	0.00551				
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	04/20/10				
*** HRA - PM Diesel (Unmitigated)				***	11:23:25				
**MODELLOPTs:				PAGE 116					
CONC		DFAULT ELEV							
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: ALL ***									
INCLUDING SOURCE(S): SITE , HAULIDLE, L0000001, L0000002, L0000003, L0000004, L0000005,									
L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017,									
L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, . . . ,									
*** DISCRETE CARTESIAN RECEPTOR POINTS ***									
** CONC OF DPM IN MICROGRAMS/M**3 **									
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC				
383352.03	3771702.00	0.00690	383402.03	3771702.00	0.00891				
383452.03	3771702.00	0.01174	383502.03	3771702.00	0.01562				
383552.03	3771702.00	0.02059	383602.03	3771702.00	0.02630				
383652.03	3771702.00	0.03195	383702.03	3771702.00	0.03652				
383752.03	3771702.00	0.03929	383802.03	3771702.00	0.04001				
383852.03	3771702.00	0.03890	383902.03	3771702.00	0.03647				
383952.03	3771702.00	0.03332	384002.03	3771702.00	0.02998				
384052.03	3771702.00	0.02681	384102.03	3771702.00	0.02399				
384152.03	3771702.00	0.02158	384202.03	3771702.00	0.01957				
384252.03	3771702.00	0.01789	384302.03	3771702.00	0.01649				
384352.03	3771702.00	0.01529	384402.03	3771702.00	0.01426				
384452.03	3771702.00	0.01335	384502.03	3771702.00	0.01254				
384552.03	3771702.00	0.01180	384602.03	3771702.00	0.01113				
384652.03	3771702.00	0.01051	384702.03	3771702.00	0.00993				
382752.03	3771752.00	0.00179	382802.03	3771752.00	0.00185				
382852.03	3771752.00	0.00193	382902.03	3771752.00	0.00203				
382952.03	3771752.00	0.00215	383002.03	3771752.00	0.00231				
383052.03	3771752.00	0.00252	383102.03	3771752.00	0.00280				
383152.03	3771752.00	0.00317	383202.03	3771752.00	0.00367				
383252.03	3771752.00	0.00435	383302.03	3771752.00	0.00529				
383352.03	3771752.00	0.00660	383402.03	3771752.00	0.00842				
383452.03	3771752.00	0.01093	383502.03	3771752.00	0.01425				
383552.03	3771752.00	0.01836	383602.03	3771752.00	0.02300				
383652.03	3771752.00	0.02756	383702.03	3771752.00	0.03133				
383752.03	3771752.00	0.03374	383802.03	3771752.00	0.03456				
383852.03	3771752.00	0.03390	383902.03	3771752.00	0.03211				
383952.03	3771752.00	0.02964	384002.03	3771752.00	0.02696				
384052.03	3771752.00	0.02422	384102.03	3771752.00	0.02177				
384152.03	3771752.00	0.01964	384202.03	3771752.00	0.01784				
384252.03	3771752.00	0.01633	384302.03	3771752.00	0.01506				
384352.03	3771752.00	0.01400	384402.03	3771752.00	0.01308				
384452.03	3771752.00	0.01228	384502.03	3771752.00	0.01157				
384552.03	3771752.00	0.01094	384602.03	3771752.00	0.01036				
384652.03	3771752.00	0.00982	384702.03	3771752.00	0.00932				
382752.03	3771802.00	0.00166	382802.03	3771802.00	0.00172				
382852.03	3771802.00	0.00180	382902.03	3771802.00	0.00190				
382952.03	3771802.00	0.00202	383002.03	3771802.00	0.00219				
383052.03	3771802.00	0.00241	383102.03	3771802.00	0.00269				
383152.03	3771802.00	0.00306	383202.03	3771802.00	0.00355				
383252.03	3771802.00	0.00420	383302.03	3771802.00	0.00510				
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	04/20/10				
*** HRA - PM Diesel (Unmitigated)				***	11:23:25				
**MODELLOPTs:				PAGE 117					
CONC		DFAULT ELEV							
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: ALL ***									
INCLUDING SOURCE(S): SITE , HAULIDLE, L0000001, L0000002, L0000003, L0000004, L0000005,									
L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017,									
L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, . . . ,									
*** DISCRETE CARTESIAN RECEPTOR POINTS ***									
** CONC OF DPM IN MICROGRAMS/M**3 **									
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC				
383352.03	3771802.00	0.00632	383402.03	3771802.00	0.00798				
383452.03	3771802.00	0.01021	383502.03	3771802.00	0.01307				
383552.03	3771802.00	0.01653	383602.03	3771802.00	0.02037				
383652.03	3771802.00	0.02413	383702.03	3771802.00	0.02728				
383752.03	3771802.00	0.02939	383802.03	3771802.00	0.03024				

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

383852.03	3771802.00	0.02988	383902.03	3771802.00	0.02856				
383952.03	3771802.00	0.02661	384002.03	3771802.00	0.02436				
384052.03	3771802.00	0.02208	384102.03	3771802.00	0.01994				
384152.03	3771802.00	0.01804	384202.03	3771802.00	0.01641				
384252.03	3771802.00	0.01503	384302.03	3771802.00	0.01387				
384352.03	3771802.00	0.01289	384402.03	3771802.00	0.01206				
384452.03	3771802.00	0.01134	384502.03	3771802.00	0.01071				
384552.03	3771802.00	0.01015	384602.03	3771802.00	0.00964				
384652.03	3771802.00	0.00917	384702.03	3771802.00	0.00874				
382752.03	3771852.00	0.00155	382802.03	3771852.00	0.00161				
382852.03	3771852.00	0.00169	382902.03	3771852.00	0.00180				
382952.03	3771852.00	0.00193	383002.03	3771852.00	0.00210				
383052.03	3771852.00	0.00232	383102.03	3771852.00	0.00260				
383152.03	3771852.00	0.00297	383202.03	3771852.00	0.00344				
383252.03	3771852.00	0.00408	383302.03	3771852.00	0.00492				
383352.03	3771852.00	0.00606	383402.03	3771852.00	0.00758				
383452.03	3771852.00	0.00957	383502.03	3771852.00	0.01206				
383552.03	3771852.00	0.01500	383602.03	3771852.00	0.01823				
383652.03	3771852.00	0.02138	383702.03	3771852.00	0.02405				
383752.03	3771852.00	0.02590	383802.03	3771852.00	0.02675				
383852.03	3771852.00	0.02661	383902.03	3771852.00	0.02564				
383952.03	3771852.00	0.02409	384002.03	3771852.00	0.02223				
384052.03	3771852.00	0.02028	384102.03	3771852.00	0.01841				
384152.03	3771852.00	0.01671	384202.03	3771852.00	0.01522				
384252.03	3771852.00	0.01394	384302.03	3771852.00	0.01286				
384352.03	3771852.00	0.01195	384402.03	3771852.00	0.01118				
384452.03	3771852.00	0.01052	384502.03	3771852.00	0.00995				
384552.03	3771852.00	0.00944	384602.03	3771852.00	0.00899				
384652.03	3771852.00	0.00858	384702.03	3771852.00	0.00820				
382752.03	3771902.00	0.00146	382802.03	3771902.00	0.00153				
382852.03	3771902.00	0.00161	382902.03	3771902.00	0.00172				
382952.03	3771902.00	0.00186	383002.03	3771902.00	0.00204				
383052.03	3771902.00	0.00226	383102.03	3771902.00	0.00253				
383152.03	3771902.00	0.00289	383202.03	3771902.00	0.00336				
383252.03	3771902.00	0.00396	383302.03	3771902.00	0.00477				
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***					
		*** HRA - PM Diesel (Unmitigated)		***					
**MODELOPTs:				04/20/10					
CONC		DFAULT ELEV		11:23:25					
				PAGE 118					
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: ALL ***									
INCLUDING SOURCE(S): SITE , HAULIDLE, L0000001, L0000002, L0000003, L0000004, L0000005,									
L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017,									
L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, . . . ,									
*** DISCRETE CARTESIAN RECEPTOR POINTS ***									
** CONC OF DPM IN MICROGRAMS/M**3 **									
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC				
383352.03	3771902.00	0.00583	383402.03	3771902.00	0.00722				
383452.03	3771902.00	0.00899	383502.03	3771902.00	0.01118				
383552.03	3771902.00	0.01372	383602.03	3771902.00	0.01646				
383652.03	3771902.00	0.01914	383702.03	3771902.00	0.02144				
383752.03	3771902.00	0.02307	383802.03	3771902.00	0.02390				
383852.03	3771902.00	0.02390	383902.03	3771902.00	0.02319				
383952.03	3771902.00	0.02196	384002.03	3771902.00	0.02042				
384052.03	3771902.00	0.01876	384102.03	3771902.00	0.01711				
384152.03	3771902.00	0.01559	384202.03	3771902.00	0.01422				
384252.03	3771902.00	0.01304	384302.03	3771902.00	0.01202				
384352.03	3771902.00	0.01116	384402.03	3771902.00	0.01043				
384452.03	3771902.00	0.00982	384502.03	3771902.00	0.00928				
384552.03	3771902.00	0.00882	384602.03	3771902.00	0.00841				
384652.03	3771902.00	0.00803	384702.03	3771902.00	0.00770				
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***					
		*** HRA - PM Diesel (Unmitigated)		***					
**MODELOPTs:				04/20/10					
CONC		DFAULT ELEV		11:23:25					
				PAGE 119					
*** THE SUMMARY OF MAXIMUM ANNUAL (2 YRS) RESULTS ***									
** CONC OF DPM IN MICROGRAMS/M**3 **									
GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	NETWORK OF TYPE	GRID-ID					
ONSITE	1ST HIGHEST VALUE IS	0.84992 AT (383752.03, 3771252.00,	0.00, 0.00,	0.00) DC					
	2ND HIGHEST VALUE IS	0.68474 AT (383852.03, 3771202.00,	0.00, 0.00,	0.00) DC					
	3RD HIGHEST VALUE IS	0.60720 AT (383802.03, 3771252.00,	0.00, 0.00,	0.00) DC					
	4TH HIGHEST VALUE IS	0.60626 AT (383792.56, 3770989.25,	0.00, 0.00,	0.00) DC					
	5TH HIGHEST VALUE IS	0.55582 AT (383802.03, 3771002.00,	0.00, 0.00,	0.00) DC					
	6TH HIGHEST VALUE IS	0.54555 AT (383702.03, 3771302.00,	0.00, 0.00,	0.00) DC					
	7TH HIGHEST VALUE IS	0.48716 AT (383660.97, 3771329.50,	0.00, 0.00,	0.00) DC					
	8TH HIGHEST VALUE IS	0.47345 AT (383552.03, 3770952.00,	0.00, 0.00,	0.00) DC					
	9TH HIGHEST VALUE IS	0.47332 AT (383852.03, 3771102.00,	0.00, 0.00,	0.00) DC					
	10TH HIGHEST VALUE IS	0.46696 AT (383552.03, 3770902.00,	0.00, 0.00,	0.00) DC					
HAULIDLE	1ST HIGHEST VALUE IS	0.00050 AT (383752.03, 3771252.00,	0.00, 0.00,	0.00) DC					
	2ND HIGHEST VALUE IS	0.00038 AT (383852.03, 3771202.00,	0.00, 0.00,	0.00) DC					
	3RD HIGHEST VALUE IS	0.00035 AT (383802.03, 3771252.00,	0.00, 0.00,	0.00) DC					
	4TH HIGHEST VALUE IS	0.00032 AT (383702.03, 3771302.00,	0.00, 0.00,	0.00) DC					
	5TH HIGHEST VALUE IS	0.00029 AT (383660.97, 3771329.50,	0.00, 0.00,	0.00) DC					
	6TH HIGHEST VALUE IS	0.00028 AT (383792.56, 3770989.25,	0.00, 0.00,	0.00) DC					
	7TH HIGHEST VALUE IS	0.00026 AT (383802.03, 3771002.00,	0.00, 0.00,	0.00) DC					
	8TH HIGHEST VALUE IS	0.00025 AT (383752.03, 3771302.00,	0.00, 0.00,	0.00) DC					
	9TH HIGHEST VALUE IS	0.00023 AT (383852.03, 3771102.00,	0.00, 0.00,	0.00) DC					
	10TH HIGHEST VALUE IS	0.00022 AT (383852.03, 3771252.00,	0.00, 0.00,	0.00) DC					
HAULROUT	1ST HIGHEST VALUE IS	0.09171 AT (383552.03, 3770652.00,	0.00, 0.00,	0.00) DC					
	2ND HIGHEST VALUE IS	0.08387 AT (383502.03, 3770602.00,	0.00, 0.00,	0.00) DC					
	3RD HIGHEST VALUE IS	0.07282 AT (383552.03, 3770602.00,	0.00, 0.00,	0.00) DC					
	4TH HIGHEST VALUE IS	0.06246 AT (383552.03, 3770552.00,	0.00, 0.00,	0.00) DC					
	5TH HIGHEST VALUE IS	0.05911 AT (383602.03, 3770652.00,	0.00, 0.00,	0.00) DC					
	6TH HIGHEST VALUE IS	0.05747 AT (383652.03, 3770652.00,	0.00, 0.00,	0.00) DC					
	7TH HIGHEST VALUE IS	0.05577 AT (383602.03, 3770602.00,	0.00, 0.00,	0.00) DC					
	8TH HIGHEST VALUE IS	0.05539 AT (383502.03, 3770652.00,	0.00, 0.00,	0.00) DC					
	9TH HIGHEST VALUE IS	0.04100 AT (383652.03, 3770602.00,	0.00, 0.00,	0.00) DC					
	10TH HIGHEST VALUE IS	0.03810 AT (383702.03, 3770652.00,	0.00, 0.00,	0.00) DC					
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***					
		*** HRA - PM Diesel (Unmitigated)		***					
**MODELOPTs:				04/20/10					
				11:23:25					
				PAGE 120					

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

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CONC                                DFAULT ELEV

*** THE SUMMARY OF MAXIMUM ANNUAL ( 2 YRS) RESULTS ***

** CONC OF DPM      IN MICROGRAMS/M**3      **

GROUP ID              AVERAGE CONC              RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)      NETWORK
-----
ALL      1ST HIGHEST VALUE IS      0.85218 AT ( 383752.03, 3771252.00, 0.00, 0.00, 0.00) DC
          2ND HIGHEST VALUE IS      0.68778 AT ( 383852.03, 3771202.00, 0.00, 0.00, 0.00) DC
          3RD HIGHEST VALUE IS      0.64267 AT ( 383792.56, 3770989.25, 0.00, 0.00, 0.00) DC
          4TH HIGHEST VALUE IS      0.60959 AT ( 383802.03, 3771252.00, 0.00, 0.00, 0.00) DC
          5TH HIGHEST VALUE IS      0.59077 AT ( 383802.03, 3771002.00, 0.00, 0.00, 0.00) DC
          6TH HIGHEST VALUE IS      0.54705 AT ( 383702.03, 3771302.00, 0.00, 0.00, 0.00) DC
          7TH HIGHEST VALUE IS      0.48835 AT ( 383660.97, 3771329.50, 0.00, 0.00, 0.00) DC
          8TH HIGHEST VALUE IS      0.47908 AT ( 383852.03, 3771102.00, 0.00, 0.00, 0.00) DC
          9TH HIGHEST VALUE IS      0.47662 AT ( 383552.03, 3770952.00, 0.00, 0.00, 0.00) DC
          10TH HIGHEST VALUE IS      0.47124 AT ( 383552.03, 3770902.00, 0.00, 0.00, 0.00) DC

*** RECEPTOR TYPES:  GC = GRIDCART
                        GP = GRIDPOLR
                        DC = DISCCART
                        DP = DISCPOLR

*** AERMOD - VERSION 07026 ***      *** Echo Park Lake Rehabilitation      ***      04/20/10
*** HRA - PM Diesel (Unmitigated)      ***      11:23:25
**MODELOPTs:      ***
CONC                                DFAULT ELEV      ***      PAGE 121

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of      0 Fatal Error Message(s)
A Total of      0 Warning Message(s)
A Total of     113 Informational Message(s)

A Total of      0 Calm Hours Identified

A Total of     113 Missing Hours Identified ( 0.64 Percent)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****
*** NONE ***

*****
*** AERMOD Finishes Successfully ***
*****
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Appendix F

SCAQMD Rule 403

(Adopted May 7, 1976) (Amended November 6, 1992)
(Amended July 9, 1993) (Amended February 14, 1997)
(Amended December 11, 1998)(Amended April 2, 2004)
(Amended June 3, 2005)

RULE 403. FUGITIVE DUST

(a) Purpose

The purpose of this Rule is to reduce the amount of particulate matter entrained in the ambient air as a result of anthropogenic (man-made) fugitive dust sources by requiring actions to prevent, reduce or mitigate fugitive dust emissions.

(b) Applicability

The provisions of this Rule shall apply to any activity or man-made condition capable of generating fugitive dust.

(c) Definitions

- (1) ACTIVE OPERATIONS means any source capable of generating fugitive dust, including, but not limited to, earth-moving activities, construction/demolition activities, disturbed surface area, or heavy- and light-duty vehicular movement.
- (2) AGGREGATE-RELATED PLANTS are defined as facilities that produce and / or mix sand and gravel and crushed stone.
- (3) AGRICULTURAL HANDBOOK means the region-specific guidance document that has been approved by the Governing Board or hereafter approved by the Executive Officer and the U.S. EPA. For the South Coast Air Basin, the Board-approved region-specific guidance document is the Rule 403 Agricultural Handbook dated December 1998. For the Coachella Valley, the Board-approved region-specific guidance document is the Rule 403 Coachella Valley Agricultural Handbook dated April 2, 2004.
- (4) ANEMOMETERS are devices used to measure wind speed and direction in accordance with the performance standards, and maintenance and calibration criteria as contained in the most recent Rule 403 Implementation Handbook.
- (5) BEST AVAILABLE CONTROL MEASURES means fugitive dust control actions that are set forth in Table 1 of this Rule.

- (6) BULK MATERIAL is sand, gravel, soil, aggregate material less than two inches in length or diameter, and other organic or inorganic particulate matter.
- (7) CEMENT MANUFACTURING FACILITY is any facility that has a cement kiln at the facility.
- (8) CHEMICAL STABILIZERS are any non-toxic chemical dust suppressant which must not be used if prohibited for use by the Regional Water Quality Control Boards, the California Air Resources Board, the U.S. Environmental Protection Agency (U.S. EPA), or any applicable law, rule or regulation. The chemical stabilizers shall meet any specifications, criteria, or tests required by any federal, state, or local water agency. Unless otherwise indicated, the use of a non-toxic chemical stabilizer shall be of sufficient concentration and application frequency to maintain a stabilized surface.
- (9) COMMERCIAL POULTRY RANCH means any building, structure, enclosure, or premises where more than 100 fowl are kept or maintained for the primary purpose of producing eggs or meat for sale or other distribution.
- (10) CONFINED ANIMAL FACILITY means a source or group of sources of air pollution at an agricultural source for the raising of 3,360 or more fowl or 50 or more animals, including but not limited to, any structure, building, installation, farm, corral, coop, feed storage area, milking parlor, or system for the collection, storage, or distribution of solid and liquid manure; if domesticated animals, including horses, sheep, goats, swine, beef cattle, rabbits, chickens, turkeys, or ducks are corralled, penned, or otherwise caused to remain in restricted areas for commercial agricultural purposes and feeding is by means other than grazing.
- (11) CONSTRUCTION/DEMOLITION ACTIVITIES means any on-site mechanical activities conducted in preparation of, or related to, the building, alteration, rehabilitation, demolition or improvement of property, including, but not limited to the following activities: grading, excavation, loading, crushing, cutting, planing, shaping or ground breaking.
- (12) CONTRACTOR means any person who has a contractual arrangement to conduct an active operation for another person.
- (13) DAIRY FARM is an operation on a property, or set of properties that are contiguous or separated only by a public right-of-way, that raises cows or

produces milk from cows for the purpose of making a profit or for a livelihood. Heifer and calf farms are dairy farms.

- (14) **DISTURBED SURFACE AREA** means a portion of the earth's surface which has been physically moved, uncovered, destabilized, or otherwise modified from its undisturbed natural soil condition, thereby increasing the potential for emission of fugitive dust. This definition excludes those areas which have:
 - (A) been restored to a natural state, such that the vegetative ground cover and soil characteristics are similar to adjacent or nearby natural conditions;
 - (B) been paved or otherwise covered by a permanent structure; or
 - (C) sustained a vegetative ground cover of at least 70 percent of the native cover for a particular area for at least 30 days.
- (15) **DUST SUPPRESSANTS** are water, hygroscopic materials, or non-toxic chemical stabilizers used as a treatment material to reduce fugitive dust emissions.
- (16) **EARTH-MOVING ACTIVITIES** means the use of any equipment for any activity where soil is being moved or uncovered, and shall include, but not be limited to the following: grading, earth cutting and filling operations, loading or unloading of dirt or bulk materials, adding to or removing from open storage piles of bulk materials, landfill operations, weed abatement through disking, and soil mulching.
- (17) **DUST CONTROL SUPERVISOR** means a person with the authority to expeditiously employ sufficient dust mitigation measures to ensure compliance with all Rule 403 requirements at an active operation.
- (18) **FUGITIVE DUST** means any solid particulate matter that becomes airborne, other than that emitted from an exhaust stack, directly or indirectly as a result of the activities of any person.
- (19) **HIGH WIND CONDITIONS** means that instantaneous wind speeds exceed 25 miles per hour.
- (20) **INACTIVE DISTURBED SURFACE AREA** means any disturbed surface area upon which active operations have not occurred or are not expected to occur for a period of 20 consecutive days.
- (21) **LARGE OPERATIONS** means any active operations on property which contains 50 or more acres of disturbed surface area; or any earth-moving operation with a daily earth-moving or throughput volume of 3,850 cubic

meters (5,000 cubic yards) or more three times during the most recent 365-day period.

- (22) OPEN STORAGE PILE is any accumulation of bulk material, which is not fully enclosed, covered or chemically stabilized, and which attains a height of three feet or more and a total surface area of 150 or more square feet.
- (23) PARTICULATE MATTER means any material, except uncombined water, which exists in a finely divided form as a liquid or solid at standard conditions.
- (24) PAVED ROAD means a public or private improved street, highway, alley, public way, or easement that is covered by typical roadway materials, but excluding access roadways that connect a facility with a public paved roadway and are not open to through traffic. Public paved roads are those open to public access and that are owned by any federal, state, county, municipal or any other governmental or quasi-governmental agencies. Private paved roads are any paved roads not defined as public.
- (25) PM₁₀ means particulate matter with an aerodynamic diameter smaller than or equal to 10 microns as measured by the applicable State and Federal reference test methods.
- (26) PROPERTY LINE means the boundaries of an area in which either a person causing the emission or a person allowing the emission has the legal use or possession of the property. Where such property is divided into one or more sub-tenancies, the property line(s) shall refer to the boundaries dividing the areas of all sub-tenancies.
- (27) RULE 403 IMPLEMENTATION HANDBOOK means a guidance document that has been approved by the Governing Board on April 2, 2004 or hereafter approved by the Executive Officer and the U.S. EPA.
- (28) SERVICE ROADS are paved or unpaved roads that are used by one or more public agencies for inspection or maintenance of infrastructure and which are not typically used for construction-related activity.
- (29) SIMULTANEOUS SAMPLING means the operation of two PM₁₀ samplers in such a manner that one sampler is started within five minutes of the other, and each sampler is operated for a consecutive period which must be not less than 290 minutes and not more than 310 minutes.
- (30) SOUTH COAST AIR BASIN means the non-desert portions of Los Angeles, Riverside, and San Bernardino counties and all of Orange

County as defined in California Code of Regulations, Title 17, Section 60104. The area is bounded on the west by the Pacific Ocean, on the north and east by the San Gabriel, San Bernardino, and San Jacinto Mountains, and on the south by the San Diego county line.

- (31) STABILIZED SURFACE means any previously disturbed surface area or open storage pile which, through the application of dust suppressants, shows visual or other evidence of surface crusting and is resistant to wind-driven fugitive dust and is demonstrated to be stabilized. Stabilization can be demonstrated by one or more of the applicable test methods contained in the Rule 403 Implementation Handbook.
 - (32) TRACK-OUT means any bulk material that adheres to and agglomerates on the exterior surface of motor vehicles, haul trucks, and equipment (including tires) that have been released onto a paved road and can be removed by a vacuum sweeper or a broom sweeper under normal operating conditions.
 - (33) TYPICAL ROADWAY MATERIALS means concrete, asphaltic concrete, recycled asphalt, asphalt, or any other material of equivalent performance as determined by the Executive Officer, and the U.S. EPA.
 - (34) UNPAVED ROADS means any unsealed or unpaved roads, equipment paths, or travel ways that are not covered by typical roadway materials. Public unpaved roads are any unpaved roadway owned by federal, state, county, municipal or other governmental or quasi-governmental agencies. Private unpaved roads are all other unpaved roadways not defined as public.
 - (35) VISIBLE ROADWAY DUST means any sand, soil, dirt, or other solid particulate matter which is visible upon paved road surfaces and which can be removed by a vacuum sweeper or a broom sweeper under normal operating conditions.
 - (36) WIND-DRIVEN FUGITIVE DUST means visible emissions from any disturbed surface area which is generated by wind action alone.
 - (37) WIND GUST is the maximum instantaneous wind speed as measured by an anemometer.
- (d) Requirements
- (1) No person shall cause or allow the emissions of fugitive dust from any active operation, open storage pile, or disturbed surface area such that:

- (A) the dust remains visible in the atmosphere beyond the property line of the emission source; or
 - (B) the dust emission exceeds 20 percent opacity (as determined by the appropriate test method included in the Rule 403 Implementation Handbook), if the dust emission is the result of movement of a motorized vehicle.
- (2) No person shall conduct active operations without utilizing the applicable best available control measures included in Table 1 of this Rule to minimize fugitive dust emissions from each fugitive dust source type within the active operation.
- (3) No person shall cause or allow PM₁₀ levels to exceed 50 micrograms per cubic meter when determined, by simultaneous sampling, as the difference between upwind and downwind samples collected on high-volume particulate matter samplers or other U.S. EPA-approved equivalent method for PM₁₀ monitoring. If sampling is conducted, samplers shall be:
 - (A) Operated, maintained, and calibrated in accordance with 40 Code of Federal Regulations (CFR), Part 50, Appendix J, or appropriate U.S. EPA-published documents for U.S. EPA-approved equivalent method(s) for PM₁₀.
 - (B) Reasonably placed upwind and downwind of key activity areas and as close to the property line as feasible, such that other sources of fugitive dust between the sampler and the property line are minimized.
- (4) No person shall allow track-out to extend 25 feet or more in cumulative length from the point of origin from an active operation. Notwithstanding the preceding, all track-out from an active operation shall be removed at the conclusion of each workday or evening shift.
- (5) No person shall conduct an active operation with a disturbed surface area of five or more acres, or with a daily import or export of 100 cubic yards or more of bulk material without utilizing at least one of the measures listed in subparagraphs (d)(5)(A) through (d)(5)(E) at each vehicle egress from the site to a paved public road.
 - (A) Install a pad consisting of washed gravel (minimum-size: one inch) maintained in a clean condition to a depth of at least six inches and extending at least 30 feet wide and at least 50 feet long.

- (B) Pave the surface extending at least 100 feet and at least 20 feet wide.
 - (C) Utilize a wheel shaker/wheel spreading device consisting of raised dividers (rails, pipe, or grates) at least 24 feet long and 10 feet wide to remove bulk material from tires and vehicle undercarriages before vehicles exit the site.
 - (D) Install and utilize a wheel washing system to remove bulk material from tires and vehicle undercarriages before vehicles exit the site.
 - (E) Any other control measures approved by the Executive Officer and the U.S. EPA as equivalent to the actions specified in subparagraphs (d)(5)(A) through (d)(5)(D).
- (6) Beginning January 1, 2006, any person who operates or authorizes the operation of a confined animal facility subject to this Rule shall implement the applicable conservation management practices specified in Table 4 of this Rule.
- (e) Additional Requirements for Large Operations
- (1) Any person who conducts or authorizes the conducting of a large operation subject to this Rule shall implement the applicable actions specified in Table 2 of this Rule at all times and shall implement the applicable actions specified in Table 3 of this Rule when the applicable performance standards can not be met through use of Table 2 actions; and shall:
 - (A) submit a fully executed Large Operation Notification (Form 403 N) to the Executive Officer within 7 days of qualifying as a large operation;
 - (B) include, as part of the notification, the name(s), address(es), and phone number(s) of the person(s) responsible for the submittal, and a description of the operation(s), including a map depicting the location of the site;
 - (C) maintain daily records to document the specific dust control actions taken, maintain such records for a period of not less than three years; and make such records available to the Executive Officer upon request;

- (D) install and maintain project signage with project contact signage that meets the minimum standards of the Rule 403 Implementation Handbook, prior to initiating any earthmoving activities;
 - (E) identify a dust control supervisor that:
 - (i) is employed by or contracted with the property owner or developer;
 - (ii) is on the site or available on-site within 30 minutes during working hours;
 - (iii) has the authority to expeditiously employ sufficient dust mitigation measures to ensure compliance with all Rule requirements;
 - (iv) has completed the AQMD Fugitive Dust Control Class and has been issued a valid Certificate of Completion for the class; and
 - (F) notify the Executive Officer in writing within 30 days after the site no longer qualifies as a large operation as defined by paragraph (c)(18).
- (2) Any Large Operation Notification submitted to the Executive Officer or AQMD-approved dust control plan shall be valid for a period of one year from the date of written acceptance by the Executive Officer. Any Large Operation Notification accepted pursuant to paragraph (e)(1), excluding those submitted by aggregate-related plants and cement manufacturing facilities must be resubmitted annually by the person who conducts or authorizes the conducting of a large operation, at least 30 days prior to the expiration date, or the submittal shall no longer be valid as of the expiration date. If all fugitive dust sources and corresponding control measures or special circumstances remain identical to those identified in the previously accepted submittal or in an AQMD-approved dust control plan, the resubmittal may be a simple statement of no-change (Form 403NC).
- (f) **Compliance Schedule**
The newly amended provisions of this Rule shall become effective upon adoption. Pursuant to subdivision (e), any existing site that qualifies as a large operation will have 60 days from the date of Rule adoption to comply with the notification and recordkeeping requirements for large operations. Any Large Operation

Notification or AQMD-approved dust control plan which has been accepted prior to the date of adoption of these amendments shall remain in effect and the Large Operation Notification or AQMD-approved dust control plan annual resubmittal date shall be one year from adoption of this Rule amendment.

(g) Exemptions

(1) The provisions of this Rule shall not apply to:

- (A) Dairy farms.
- (B) Confined animal facilities provided that the combined disturbed surface area within one continuous property line is one acre or less.
- (C) Agricultural vegetative crop operations provided that the combined disturbed surface area within one continuous property line and not separated by a paved public road is 10 acres or less.
- (D) Agricultural vegetative crop operations within the South Coast Air Basin, whose combined disturbed surface area includes more than 10 acres provided that the person responsible for such operations:
 - (i) voluntarily implements the conservation management practices contained in the Rule 403 Agricultural Handbook;
 - (ii) completes and maintains the self-monitoring form documenting sufficient conservation management practices, as described in the Rule 403 Agricultural Handbook; and
 - (iii) makes the completed self-monitoring form available to the Executive Officer upon request.
- (E) Agricultural vegetative crop operations outside the South Coast Air Basin whose combined disturbed surface area includes more than 10 acres provided that the person responsible for such operations:
 - (i) voluntarily implements the conservation management practices contained in the Rule 403 Coachella Valley Agricultural Handbook; and
 - (ii) completes and maintains the self-monitoring form documenting sufficient conservation management practices, as described in the Rule 403 Coachella Valley Agricultural Handbook; and
 - (iii) makes the completed self-monitoring form available to the Executive Officer upon request.

- (F) Active operations conducted during emergency life-threatening situations, or in conjunction with any officially declared disaster or state of emergency.
 - (G) Active operations conducted by essential service utilities to provide electricity, natural gas, telephone, water and sewer during periods of service outages and emergency disruptions.
 - (H) Any contractor subsequent to the time the contract ends, provided that such contractor implemented the required control measures during the contractual period.
 - (I) Any grading contractor, for a phase of active operations, subsequent to the contractual completion of that phase of earth-moving activities, provided that the required control measures have been implemented during the entire phase of earth-moving activities, through and including five days after the final grading inspection.
 - (J) Weed abatement operations ordered by a county agricultural commissioner or any state, county, or municipal fire department, provided that:
 - (i) mowing, cutting or other similar process is used which maintains weed stubble at least three inches above the soil; and
 - (ii) any discing or similar operation which cuts into and disturbs the soil, where watering is used prior to initiation of these activities, and a determination is made by the agency issuing the weed abatement order that, due to fire hazard conditions, rocks, or other physical obstructions, it is not practical to meet the conditions specified in clause (g)(1)(H)(i). The provisions this clause shall not exempt the owner of any property from stabilizing, in accordance with paragraph (d)(2), disturbed surface areas which have been created as a result of the weed abatement actions.
 - (K) sandblasting operations.
- (2) The provisions of paragraphs (d)(1) and (d)(3) shall not apply:
- (A) When wind gusts exceed 25 miles per hour, provided that:

- (i) The required Table 3 contingency measures in this Rule are implemented for each applicable fugitive dust source type, and;
 - (ii) records are maintained in accordance with subparagraph (e)(1)(C).
 - (B) To unpaved roads, provided such roads:
 - (i) are used solely for the maintenance of wind-generating equipment; or
 - (ii) are unpaved public alleys as defined in Rule 1186; or
 - (iii) are service roads that meet all of the following criteria:
 - (a) are less than 50 feet in width at all points along the road;
 - (b) are within 25 feet of the property line; and
 - (c) have a traffic volume less than 20 vehicle-trips per day.
 - (C) To any active operation, open storage pile, or disturbed surface area for which necessary fugitive dust preventive or mitigative actions are in conflict with the federal Endangered Species Act, as determined in writing by the State or federal agency responsible for making such determinations.
- (3) The provisions of (d)(2) shall not apply to any aggregate-related plant or cement manufacturing facility that implements the applicable actions specified in Table 2 of this Rule at all times and shall implement the applicable actions specified in Table 3 of this Rule when the applicable performance standards of paragraphs (d)(1) and (d)(3) can not be met through use of Table 2 actions.
 - (4) The provisions of paragraphs (d)(1), (d)(2), and (d)(3) shall not apply to:
 - (A) Blasting operations which have been permitted by the California Division of Industrial Safety; and
 - (B) Motion picture, television, and video production activities when dust emissions are required for visual effects. In order to obtain this exemption, the Executive Officer must receive notification in writing at least 72 hours in advance of any such activity and no nuisance results from such activity.
 - (5) The provisions of paragraph (d)(3) shall not apply if the dust control actions, as specified in Table 2, are implemented on a routine basis for

each applicable fugitive dust source type. To qualify for this exemption, a person must maintain records in accordance with subparagraph (e)(1)(C).

- (6) The provisions of paragraph (d)(4) shall not apply to earth coverings of public paved roadways where such coverings are approved by a local government agency for the protection of the roadway, and where such coverings are used as roadway crossings for haul vehicles provided that such roadway is closed to through traffic and visible roadway dust is removed within one day following the cessation of activities.
- (7) The provisions of subdivision (e) shall not apply to:
 - (A) officially-designated public parks and recreational areas, including national parks, national monuments, national forests, state parks, state recreational areas, and county regional parks.
 - (B) any large operation which is required to submit a dust control plan to any city or county government which has adopted a District-approved dust control ordinance.
 - (C) any large operation subject to Rule 1158, which has an approved dust control plan pursuant to Rule 1158, provided that all sources of fugitive dust are included in the Rule 1158 plan.
- (8) The provisions of subparagraph (e)(1)(A) through (e)(1)(C) shall not apply to any large operation with an AQMD-approved fugitive dust control plan provided that there is no change to the sources and controls as identified in the AQMD-approved fugitive dust control plan.

(h) Fees

Any person conducting active operations for which the Executive Officer conducts upwind/downwind monitoring for PM₁₀ pursuant to paragraph (d)(3) shall be assessed applicable Ambient Air Analysis Fees pursuant to Rule 304.1. Applicable fees shall be waived for any facility which is exempted from paragraph (d)(3) or meets the requirements of paragraph (d)(3).

TABLE 1
BEST AVAILABLE CONTROL MEASURES
(Applicable to All Construction Activity Sources)

Source Category	Control Measure	Guidance
Backfilling	01-1 Stabilize backfill material when not actively handling; and 01-2 Stabilize backfill material during handling; and 01-3 Stabilize soil at completion of activity.	<ul style="list-style-type: none"> ✓ Mix backfill soil with water prior to moving ✓ Dedicate water truck or high capacity hose to backfilling equipment ✓ Empty loader bucket slowly so that no dust plumes are generated ✓ Minimize drop height from loader bucket
Clearing and grubbing	02-1 Maintain stability of soil through pre-watering of site prior to clearing and grubbing; and 02-2 Stabilize soil during clearing and grubbing activities; and 02-3 Stabilize soil immediately after clearing and grubbing activities.	<ul style="list-style-type: none"> ✓ Maintain live perennial vegetation where possible ✓ Apply water in sufficient quantity to prevent generation of dust plumes
Clearing forms	03-1 Use water spray to clear forms; or 03-2 Use sweeping and water spray to clear forms; or 03-3 Use vacuum system to clear forms.	<ul style="list-style-type: none"> ✓ Use of high pressure air to clear forms may cause exceedance of Rule requirements
Crushing	04-1 Stabilize surface soils prior to operation of support equipment; and 04-2 Stabilize material after crushing.	<ul style="list-style-type: none"> ✓ Follow permit conditions for crushing equipment ✓ Pre-water material prior to loading into crusher ✓ Monitor crusher emissions opacity ✓ Apply water to crushed material to prevent dust plumes

TABLE 1
BEST AVAILABLE CONTROL MEASURES
(Applicable to All Construction Activity Sources)

Source Category	Control Measure	Guidance
Cut and fill	05-1 Pre-water soils prior to cut and fill activities; and	✓ For large sites, pre-water with sprinklers or water trucks and allow time for penetration
	05-2 Stabilize soil during and after cut and fill activities.	✓ Use water trucks/pulls to water soils to depth of cut prior to subsequent cuts
Demolition – mechanical/manual	06-1 Stabilize wind erodible surfaces to reduce dust; and	✓ Apply water in sufficient quantities to prevent the generation of visible dust plumes
	06-2 Stabilize surface soil where support equipment and vehicles will operate; and	
	06-3 Stabilize loose soil and demolition debris; and	
	06-4 Comply with AQMD Rule 1403.	
Disturbed soil	07-1 Stabilize disturbed soil throughout the construction site; and	✓ Limit vehicular traffic and disturbances on soils where possible
	07-2 Stabilize disturbed soil between structures	✓ If interior block walls are planned, install as early as possible ✓ Apply water or a stabilizing agent in sufficient quantities to prevent the generation of visible dust plumes
Earth-moving activities	08-1 Pre-apply water to depth of proposed cuts; and	✓ Grade each project phase separately, timed to coincide with construction phase
	08-2 Re-apply water as necessary to maintain soils in a damp condition and to ensure that visible emissions do not exceed 100 feet in any direction; and	✓ Upwind fencing can prevent material movement on site
	08-3 Stabilize soils once earth-moving activities are complete.	✓ Apply water or a stabilizing agent in sufficient quantities to prevent the generation of visible dust plumes

TABLE 1
BEST AVAILABLE CONTROL MEASURES
(Applicable to All Construction Activity Sources)

Source Category	Control Measure	Guidance
Importing/exporting of bulk materials	<p>09-1 Stabilize material while loading to reduce fugitive dust emissions; and</p> <p>09-2 Maintain at least six inches of freeboard on haul vehicles; and</p> <p>09-3 Stabilize material while transporting to reduce fugitive dust emissions; and</p> <p>09-4 Stabilize material while unloading to reduce fugitive dust emissions; and</p> <p>09-5 Comply with Vehicle Code Section 23114.</p>	<p>✓ Use tarps or other suitable enclosures on haul trucks</p> <p>✓ Check belly-dump truck seals regularly and remove any trapped rocks to prevent spillage</p> <p>✓ Comply with track-out prevention/mitigation requirements</p> <p>✓ Provide water while loading and unloading to reduce visible dust plumes</p>
Landscaping	10-1 Stabilize soils, materials, slopes	<p>✓ Apply water to materials to stabilize</p> <p>✓ Maintain materials in a crusted condition</p> <p>✓ Maintain effective cover over materials</p> <p>✓ Stabilize sloping surfaces using soil binders until vegetation or ground cover can effectively stabilize the slopes</p> <p>✓ Hydroseed prior to rain season</p>
Road shoulder maintenance	<p>11-1 Apply water to unpaved shoulders prior to clearing; and</p> <p>11-2 Apply chemical dust suppressants and/or washed gravel to maintain a stabilized surface after completing road shoulder maintenance.</p>	<p>✓ Installation of curbing and/or paving of road shoulders can reduce recurring maintenance costs</p> <p>✓ Use of chemical dust suppressants can inhibit vegetation growth and reduce future road shoulder maintenance costs</p>

TABLE 1
BEST AVAILABLE CONTROL MEASURES
(Applicable to All Construction Activity Sources)

Source Category	Control Measure	Guidance
Screening	12-1 Pre-water material prior to screening; and 12-2 Limit fugitive dust emissions to opacity and plume length standards; and 12-3 Stabilize material immediately after screening.	<ul style="list-style-type: none"> ✓ Dedicate water truck or high capacity hose to screening operation ✓ Drop material through the screen slowly and minimize drop height ✓ Install wind barrier with a porosity of no more than 50% upwind of screen to the height of the drop point
Staging areas	13-1 Stabilize staging areas during use; and 13-2 Stabilize staging area soils at project completion.	<ul style="list-style-type: none"> ✓ Limit size of staging area ✓ Limit vehicle speeds to 15 miles per hour ✓ Limit number and size of staging area entrances/exists
Stockpiles/ Bulk Material Handling	14-1 Stabilize stockpiled materials. 14-2 Stockpiles within 100 yards of off-site occupied buildings must not be greater than eight feet in height; or must have a road bladed to the top to allow water truck access or must have an operational water irrigation system that is capable of complete stockpile coverage.	<ul style="list-style-type: none"> ✓ Add or remove material from the downwind portion of the storage pile ✓ Maintain storage piles to avoid steep sides or faces

TABLE 1
BEST AVAILABLE CONTROL MEASURES
(Applicable to All Construction Activity Sources)

Source Category	Control Measure	Guidance
Traffic areas for construction activities	15-1 Stabilize all off-road traffic and parking areas; and 15-2 Stabilize all haul routes; and 15-3 Direct construction traffic over established haul routes.	✓ Apply gravel/paving to all haul routes as soon as possible to all future roadway areas ✓ Barriers can be used to ensure vehicles are only used on established parking areas/haul routes
Trenching	16-1 Stabilize surface soils where trencher or excavator and support equipment will operate; and 16-2 Stabilize soils at the completion of trenching activities.	✓ Pre-watering of soils prior to trenching is an effective preventive measure. For deep trenching activities, pre-trench to 18 inches soak soils via the pre-trench and resuming trenching ✓ Washing mud and soils from equipment at the conclusion of trenching activities can prevent crusting and drying of soil on equipment
Truck loading	17-1 Pre-water material prior to loading; and 17-2 Ensure that freeboard exceeds six inches (CVC 23114)	✓ Empty loader bucket such that no visible dust plumes are created ✓ Ensure that the loader bucket is close to the truck to minimize drop height while loading
Turf Overseeding	18-1 Apply sufficient water immediately prior to conducting turf vacuuming activities to meet opacity and plume length standards; and 18-2 Cover haul vehicles prior to exiting the site.	✓ Haul waste material immediately off-site

TABLE 1
BEST AVAILABLE CONTROL MEASURES
(Applicable to All Construction Activity Sources)

Source Category	Control Measure	Guidance
Unpaved roads/parking lots	19-1 Stabilize soils to meet the applicable performance standards; and	✓ Restricting vehicular access to established unpaved travel paths and parking lots can reduce stabilization requirements
	19-2 Limit vehicular travel to established unpaved roads (haul routes) and unpaved parking lots.	
Vacant land	20-1 In instances where vacant lots are 0.10 acre or larger and have a cumulative area of 500 square feet or more that are driven over and/or used by motor vehicles and/or off-road vehicles, prevent motor vehicle and/or off-road vehicle trespassing, parking and/or access by installing barriers, curbs, fences, gates, posts, signs, shrubs, trees or other effective control measures.	

Table 2
DUST CONTROL MEASURES FOR LARGE OPERATIONS

FUGITIVE DUST SOURCE CATEGORY	CONTROL ACTIONS
Earth-moving (except construction cutting and filling areas, and mining operations)	<p>(1a) Maintain soil moisture content at a minimum of 12 percent, as determined by ASTM method D-2216, or other equivalent method approved by the Executive Officer, the California Air Resources Board, and the U.S. EPA. Two soil moisture evaluations must be conducted during the first three hours of active operations during a calendar day, and two such evaluations each subsequent four-hour period of active operations; OR</p> <p>(1a-1) For any earth-moving which is more than 100 feet from all property lines, conduct watering as necessary to prevent visible dust emissions from exceeding 100 feet in length in any direction.</p>
Earth-moving: Construction fill areas:	<p>(1b) Maintain soil moisture content at a minimum of 12 percent, as determined by ASTM method D-2216, or other equivalent method approved by the Executive Officer, the California Air Resources Board, and the U.S. EPA. For areas which have an optimum moisture content for compaction of less than 12 percent, as determined by ASTM Method 1557 or other equivalent method approved by the Executive Officer and the California Air Resources Board and the U.S. EPA, complete the compaction process as expeditiously as possible after achieving at least 70 percent of the optimum soil moisture content. Two soil moisture evaluations must be conducted during the first three hours of active operations during a calendar day, and two such evaluations during each subsequent four-hour period of active operations.</p>

Table 2 (Continued)

FUGITIVE DUST SOURCE CATEGORY	CONTROL ACTIONS
Earth-moving: Construction cut areas and mining operations:	(1c) Conduct watering as necessary to prevent visible emissions from extending more than 100 feet beyond the active cut or mining area unless the area is inaccessible to watering vehicles due to slope conditions or other safety factors.
Disturbed surface areas (except completed grading areas)	(2a/b) Apply dust suppression in sufficient quantity and frequency to maintain a stabilized surface. Any areas which cannot be stabilized, as evidenced by wind driven fugitive dust must have an application of water at least twice per day to at least 80 percent of the unstabilized area.
Disturbed surface areas: Completed grading areas	(2c) Apply chemical stabilizers within five working days of grading completion; OR (2d) Take actions (3a) or (3c) specified for inactive disturbed surface areas.
Inactive disturbed surface areas	(3a) Apply water to at least 80 percent of all inactive disturbed surface areas on a daily basis when there is evidence of wind driven fugitive dust, excluding any areas which are inaccessible to watering vehicles due to excessive slope or other safety conditions; OR (3b) Apply dust suppressants in sufficient quantity and frequency to maintain a stabilized surface; OR (3c) Establish a vegetative ground cover within 21 days after active operations have ceased. Ground cover must be of sufficient density to expose less than 30 percent of unstabilized ground within 90 days of planting, and at all times thereafter; OR (3d) Utilize any combination of control actions (3a), (3b), and (3c) such that, in total, these actions apply to all inactive disturbed surface areas.

Table 2 (Continued)

FUGITIVE DUST SOURCE CATEGORY	CONTROL ACTIONS
Unpaved Roads	<p>(4a) Water all roads used for any vehicular traffic at least once per every two hours of active operations [3 times per normal 8 hour work day]; OR</p> <p>(4b) Water all roads used for any vehicular traffic once daily and restrict vehicle speeds to 15 miles per hour; OR</p> <p>(4c) Apply a chemical stabilizer to all unpaved road surfaces in sufficient quantity and frequency to maintain a stabilized surface.</p>
Open storage piles	<p>(5a) Apply chemical stabilizers; OR</p> <p>(5b) Apply water to at least 80 percent of the surface area of all open storage piles on a daily basis when there is evidence of wind driven fugitive dust; OR</p> <p>(5c) Install temporary coverings; OR</p> <p>(5d) Install a three-sided enclosure with walls with no more than 50 percent porosity which extend, at a minimum, to the top of the pile. This option may only be used at aggregate-related plants or at cement manufacturing facilities.</p>
All Categories	<p>(6a) Any other control measures approved by the Executive Officer and the U.S. EPA as equivalent to the methods specified in Table 2 may be used.</p>

TABLE 3
CONTINGENCY CONTROL MEASURES FOR LARGE OPERATIONS

FUGITIVE DUST SOURCE CATEGORY	CONTROL MEASURES
Earth-moving	(1A) Cease all active operations; OR (2A) Apply water to soil not more than 15 minutes prior to moving such soil.
Disturbed surface areas	(0B) On the last day of active operations prior to a weekend, holiday, or any other period when active operations will not occur for not more than four consecutive days: apply water with a mixture of chemical stabilizer diluted to not less than 1/20 of the concentration required to maintain a stabilized surface for a period of six months; OR (1B) Apply chemical stabilizers prior to wind event; OR (2B) Apply water to all unstabilized disturbed areas 3 times per day. If there is any evidence of wind driven fugitive dust, watering frequency is increased to a minimum of four times per day; OR (3B) Take the actions specified in Table 2, Item (3c); OR (4B) Utilize any combination of control actions (1B), (2B), and (3B) such that, in total, these actions apply to all disturbed surface areas.
Unpaved roads	(1C) Apply chemical stabilizers prior to wind event; OR (2C) Apply water twice per hour during active operation; OR (3C) Stop all vehicular traffic.
Open storage piles	(1D) Apply water twice per hour; OR (2D) Install temporary coverings.
Paved road track-out	(1E) Cover all haul vehicles; OR (2E) Comply with the vehicle freeboard requirements of Section 23114 of the California Vehicle Code for both public and private roads.
All Categories	(1F) Any other control measures approved by the Executive Officer and the U.S. EPA as equivalent to the methods specified in Table 3 may be used.

Table 4
(Conservation Management Practices for Confined Animal Facilities)

SOURCE CATEGORY	CONSERVATION MANAGEMENT PRACTICES
Manure Handling (Only applicable to Commercial Poultry Ranches)	(1a) Cover manure prior to removing material off-site; AND (1b) Spread the manure before 11:00 AM and when wind conditions are less than 25 miles per hour; AND (1c) Utilize coning and drying manure management by removing manure at laying hen houses at least twice per year and maintain a base of no less than 6 inches of dry manure after clean out; or in lieu of complying with conservation management practice (1c), comply with conservation management practice (1d). (1d) Utilize frequent manure removal by removing the manure from laying hen houses at least every seven days and immediately thin bed dry the material.
Feedstock Handling	(2a) Utilize a sock or boot on the feed truck auger when filling feed storage bins.
Disturbed Surfaces	(3a) Maintain at least 70 percent vegetative cover on vacant portions of the facility; OR (3b) Utilize conservation tillage practices to manage the amount, orientation and distribution of crop and other plant residues on the soil surface year-round, while growing crops (if applicable) in narrow slots or tilled strips; OR (3c) Apply dust suppressants in sufficient concentrations and frequencies to maintain a stabilized surface.
Unpaved Roads	(4a) Restrict access to private unpaved roads either through signage or physical access restrictions and control vehicular speeds to no more than 15 miles per hour through worker notifications, signage, or any other necessary means; OR (4b) Cover frequently traveled unpaved roads with low silt content material (i.e., asphalt, concrete, recycled road base, or gravel to a minimum depth of four inches); OR (4c) Treat unpaved roads with water, mulch, chemical dust suppressants or other cover to maintain a stabilized surface.
Equipment Parking Areas	(5a) Apply dust suppressants in sufficient quantity and frequency to maintain a stabilized surface; OR (5b) Apply material with low silt content (i.e., asphalt, concrete, recycled road base, or gravel to a depth of four inches).

Appendix G

Mobile Noise

L_{eq} Noise Level Estimates for the Construction Traffic - Based on AM Peak Hour

Existing 2009

ROAD SEGMENT			TOT. # VEH.	EQUIVALENT LANE DISTANCE			VEHICLE TYPE %						VEHICLE SPEED						NOISE LEVEL (dBA)			50 ft ROW Leq (dBA)
				D1	D2	Eq. Dis.	Auto %	Auto	MT %	MT	HT %	HT	Auto k/h	k/h	MT k/h	k/h	HT k/h	k/h	Auto	MT	HT	
Glendale Blvd	from: Park Ave	to: Bellevue Ave	2530	14	44	25	91	2302	6	152	3	75.9	35	56	35	56	35	56	67.9	65.8	68.0	70.4
Echo Park Ave	Reservoir St	Bellevue Ave	797	17	29	22	91	725	6	47.8	3	23.9	35	56	35	56	35	56	62.9	60.8	63.0	65.5
Park Ave	Glendale Blvd	Echo Park Ave	318	12	35	20	91	289	6	19.1	3	9.54	25	40	25	40	25	40	54.7	54.6	59.2	60.0

Future Without Project 2013

ROAD SEGMENT			TOT. # VEH.	EQUIVALENT LANE DISTANCE			VEHICLE TYPE %						VEHICLE SPEED						NOISE LEVEL (dBA)			50 ft ROW Leq (dBA)
				D1	D2	Eq. Dis.	Auto %	Auto	MT %	MT	HT %	HT	Auto k/h	k/h	MT k/h	k/h	HT k/h	k/h	Auto	MT	HT	
Glendale Blvd	from: Park Ave	to: Bellevue Ave	2854	14	44	25	91	2597	6	171	3	85.6	35	56	35	56	35	56	68.5	66.4	68.6	70.9
Echo Park Ave	Reservoir St	Bellevue Ave	851	17	29	22	91	774	6	51	3	25.5	35	56	35	56	35	56	63.2	61.1	63.3	65.8
Park Ave	Glendale Blvd	Echo Park Ave	331	12	35	20	91	301	6	19.9	3	9.93	25	40	25	40	25	40	54.9	54.7	59.4	60.2

Future With Project 2013

ROAD SEGMENT			TOT. # VEH.	EQUIVALENT LANE DISTANCE			VEHICLE TYPE %						VEHICLE SPEED						NOISE LEVEL (dBA)			50 ft ROW Leq (dBA)
				D1	D2	Eq. Dis.	Auto %	Auto	MT %	MT	HT %	HT	Auto k/h	k/h	MT k/h	k/h	HT k/h	k/h	Auto	MT	HT	
Glendale Blvd	from: Park Ave	to: Bellevue Ave	2854	14	44	25	91	2597	6	171	3	98.6	35	56	35	56	35	56	68.5	66.4	69.2	71.2
Echo Park Ave	Reservoir St	Bellevue Ave	851	17	29	22	91	774	6	51	3	54.5	35	56	35	56	35	56	63.2	61.1	66.6	67.4
Park Ave	Glendale Blvd	Echo Park Ave	331	12	35	20	91	301	6	19.9	3	29.9	25	40	25	40	25	40	54.9	54.7	64.2	63.6

L_{eq} Noise Level Estimates for the Construction Traffic - Based on PM Peak Hour

Existing 2009

ROAD SEGMENT			TOT. # VEH.	EQUIVALENT LANE DISTANCE			VEHICLE TYPE %						VEHICLE SPEED						NOISE LEVEL (dBA)			50 ft ROW Leq (dBA)
				D1	D2	Eq. Dis.	Auto	MT	HT				Auto	k/h	MT	k/h	HT	k/h	Auto	MT	HT	
Glendale Blvd	from: Park Ave	to: Bellevue Ave	2759	14	44	25	91	2510	6	166	3	82.8	35	56	35	56	35	56	68.3	66.2	68.4	70.8
Echo Park Ave	Reservoir St	Bellevue Ave	729	17	29	22	91	663	6	43.7	3	21.9	35	56	35	56	35	56	62.5	60.4	62.6	65.2
Park Ave	Glendale Blvd	Echo Park Ave	454	12	35	20	91	413	6	27.2	3	13.6	25	40	25	40	25	40	56.3	56.1	60.7	61.6

Future Without Project 2013

ROAD SEGMENT			TOT. # VEH.	EQUIVALENT LANE DISTANCE			VEHICLE TYPE %						VEHICLE SPEED						NOISE LEVEL (dBA)			50 ft ROW Leq (dBA)
				D1	D2	Eq. Dis.	Auto	MT	HT				Auto	k/h	MT	k/h	HT	k/h	Auto	MT	HT	
Glendale Blvd	from: Park Ave	to: Bellevue Ave	3209	14	44	25	91	2920	6	193	3	96.3	35	56	35	56	35	56	69.0	66.9	69.1	71.4
Echo Park Ave	Reservoir St	Bellevue Ave	853	17	29	22	91	776	6	51.2	3	25.6	35	56	35	56	35	56	63.2	61.1	63.3	65.8
Park Ave	Glendale Blvd	Echo Park Ave	472	12	35	20	91	430	6	28.3	3	14.2	25	40	25	40	25	40	56.4	56.3	60.9	61.7

Future With Project 2013

ROAD SEGMENT			TOT. # VEH.	EQUIVALENT LANE DISTANCE			VEHICLE TYPE %						VEHICLE SPEED						NOISE LEVEL (dBA)			50 ft ROW Leq (dBA)
				D1	D2	Eq. Dis.	Auto	MT	HT				Auto	k/h	MT	k/h	HT	k/h	Auto	MT	HT	
Glendale Blvd	from: Park Ave	to: Bellevue Ave	3209	14	44	25	91	2920	6	193	3	117	35	56	35	56	35	56	69.0	66.9	69.9	71.8
Echo Park Ave	Reservoir St	Bellevue Ave	853	17	29	22	91	776	6	51.2	3	50.6	35	56	35	56	35	56	63.2	61.1	66.3	67.2
Park Ave	Glendale Blvd	Echo Park Ave	472	12	35	20	91	430	6	28.3	3	26.2	25	40	25	40	25	40	56.4	56.3	63.6	63.5

Summary

AM PEAK HOUR

ROAD SEGMENT			Baseline	With Project	Impact
	from:	to:	(dBa)	(dBa)	(dBa)
Glendale Blvd	Park Ave	Bellevue Ave	70.9	71.2	0.3
Echo Park Ave	Reservoir St	Bellevue Ave	65.8	67.4	1.6
Park Ave	Glendale Blvd	Echo Park Ave	60.2	63.6	3.4

PM PEAK HOUR

ROAD SEGMENT			Baseline	With Project	Impact
	from:	to:	(dBa)	(dBa)	(dBa)
Glendale Blvd	Park Ave	Bellevue Ave	71.4	71.8	0.4
Echo Park Ave	Reservoir St	Bellevue Ave	65.8	67.2	1.4
Park Ave	Glendale Blvd	Echo Park Ave	61.7	63.5	1.8

**DRAFT ENVIRONMENTAL IMPACT REPORT
APPENDIX C**

HEALTH RISK ASSESSMENT

Memorandum

TO: Shannon Daniels
AECOM

FROM: Sam Silverman, Senior Environmental Scientist
Terry A. Hayes Associates LLC

DATE: April 22, 2010

RE: **Echo Park Lake Rehabilitation Project Construction Health Risk Assessment**

Terry A. Hayes Associates LLC (TAHA) completed an Air Quality and Noise Impact Report for the Echo Park Rehabilitation Project. As a supplement to this Report, TAHA completed a health risk assessment (HRA) for construction activity associated with the proposed project. The results of the HRA are presented in this memorandum, and included in the Air Quality and Noise Impact Report.

Methodology

The HRA was prepared based on emissions from haul trucks and diesel-powered construction equipment. The first step was to calculate the mass emissions from these sources. The proposed project would generate 8,858 truck trips during the construction phase. On-road truck emissions were calculated based on the haul route from the project site to US Highway 101 and emission rates from the EMFAC2007 model. It was assumed that each truck would idle on the project site for 15 minutes, and the idle emission rate was also obtained from the EMFAC2007 model. Equipment emissions were obtained from the OFFROAD model. It was assumed that ten pieces of equipment would operate on the project site.

The truck and equipment emission rates were input into the AERMOD dispersion model to obtain annual exposure concentrations. The model is a steady state Gaussian plume model for estimating ground level impacts from point, area, and volume sources in simple and complex terrain. The model offers additional flexibility by allowing the user to assign initial vertical and lateral dispersion parameters for stationary sources. Truck emissions were modeled based on the South Coast Air Quality Management District (SCAQMD) *Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis* (August 2003). Idle emissions were treated as an area source with a five-meter release height. On-road emissions along the haul route were input as a line source with a release height of five meters.

Construction equipment emissions were modeled based on guidance from the SCAQMD Localized Significance Methodology. Equipment emissions were input as an area source with a release height of five meters. Based on SCAQMD guidance, a 50-meter receptor grid was used to obtain the maximum annual pollutant concentration and the receptor release height was set at 0.0 meters. AERMOD utilized surface meteorological and upper air data from the Downtown Los Angeles station.

Risk Characterization

Carcinogenic compounds are not considered to have threshold levels (i.e., dose levels below which there are no risks). Any exposure, therefore, will have some associated risk. As a result, the State of California has established a threshold of one in one hundred thousand (1.0E-05) as a level posing no significant risk for exposures to carcinogens regulated under the Safe Drinking Water and Toxic Enforcement Act (Proposition 65).

Health risks associated with exposure to carcinogenic compounds can be defined in terms of the probability of developing cancer as a result of exposure to a chemical at a given concentration. Under a deterministic approach (i.e., point estimate methodology), the cancer risk probability is determined by multiplying the chemical's annual concentration by its unit risk factor (URF). The URF is a measure of the carcinogenic potential of a chemical when a dose is received through the inhalation pathway. It represents an upper bound estimate of the probability of contracting cancer as a result of continuous exposure to an ambient concentration of one microgram per cubic meter ($\mu\text{g}/\text{m}^3$) over a 70-year lifetime.

The carcinogenic risk was calculated based on the SCAQMD *Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis*. According to this document, the cancer risks from diesel particulate matter associated with motor vehicles occur exclusively through the inhalation pathway. Therefore, the cancer risks can be estimated from the following equation:

$$\text{CR}_{\text{DPM}} = \text{C}_{\text{DPM}} \times \text{URF}_{\text{DPM}} \times \text{LEA}$$

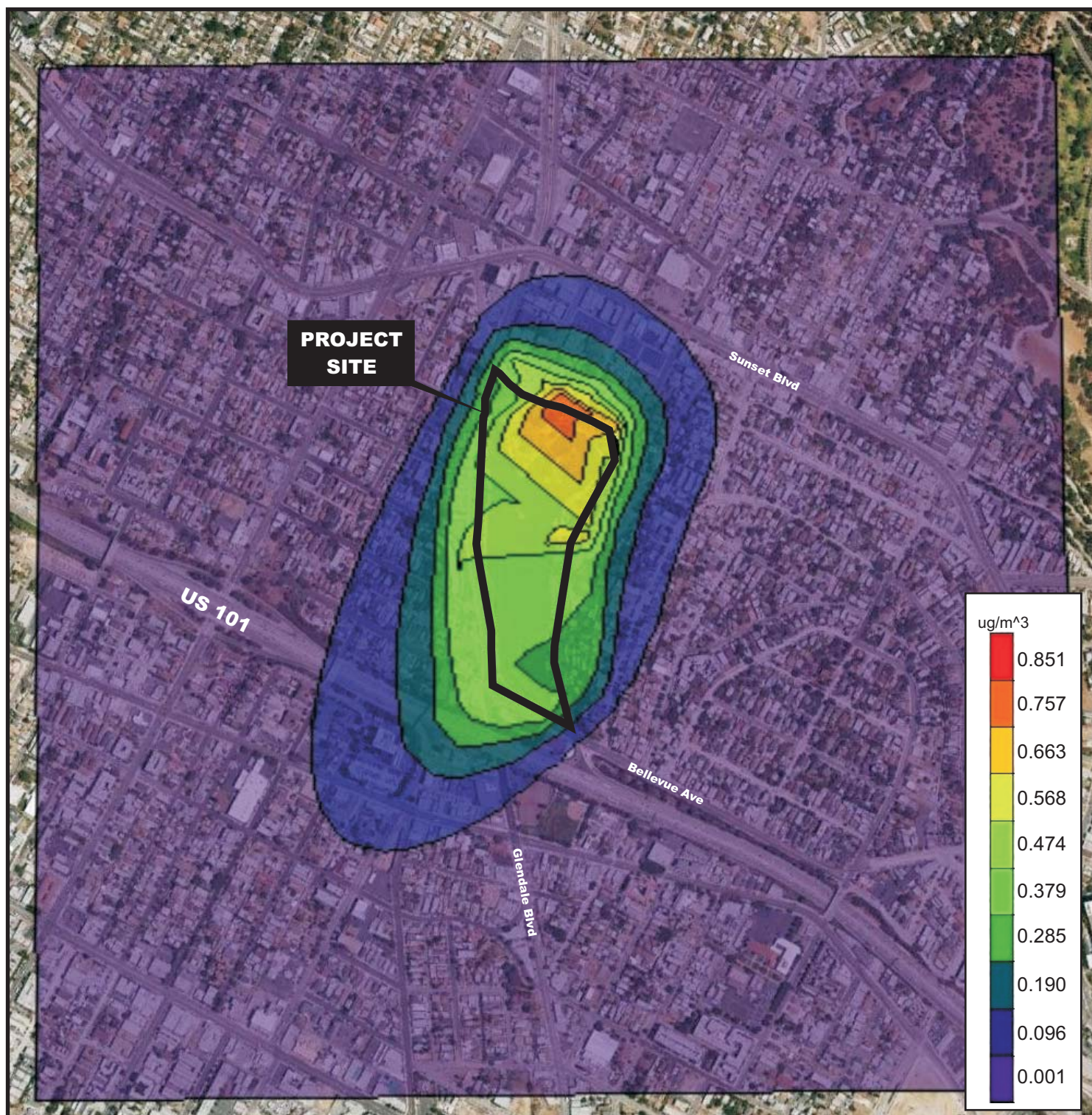
where,

CR_{DPM}	Cancer risks from diesel particulate matter; the probability of an individual developing cancer as a result of exposure to diesel particulate matter.
C_{DPM}	Annual average diesel particulate matter concentration in $\mu\text{g}/\text{m}^3$.
URF_{DPM}	Unit risk factor for diesel particulate matter; estimated probability that a person will contract cancer as a result of inhalation of a diesel particulate matter concentration of 1 $\mu\text{g}/\text{m}^3$ continuously over a period of 70 years.
LEA	Lifetime exposure adjustment.

The URF utilized in the assessment and corresponding cancer potency factors was obtained from California Office of Environmental Health Hazard Assessment (OEHHA) guidance. The LEA accounts for the fact that exposure would be less than 70 years. Based on information provided by the Applicant, the exposure level was adjusted to account for 10 hours per day, 5 days per week, 48 weeks per year, and 2 years.

Results

Figure 1 is a contour map showing exposure concentrations to diesel particulate matter generated during construction activity. The maximum off-site annual concentration would be 0.85 micrograms per cubic meter. This results in a carcinogenic risk of 2.2 persons in one million, which is less than the ten persons in one million significance threshold. Construction-related diesel emissions would result in a less-than-significant impact.



LEGEND:



SOURCE: TAHA, 2009



FIGURE 1

DIESEL PARTICULATE MATTER
CONTOUR MAP

Appendix A

ISC-AERMOD Output Files and Calculations

HEALTH RISK ASSESSMENT

Project Alternative

PROJECT: Echo Park Lake

PROJECT NO: 2009-034

Annual Average Receptor Concentration

Pollutant	micrograms/cubic meter
Diesel Particular Matter (DPM)	0.85218

EXCESS CANCER RISK CALCULATION

Lifetime Exposure Adjustment (LEA)

Receptor:	Sensitive Receptors
hours per day	10
days per week	5
weeks per year	48
years	2.17
LEA	0.008503401

Unit Risk Factor (URF) for DPM	0.0003
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FINDINGS

Receptor:	Sensitive Receptors
Excess Cancer Risk	
Excess Cancer Risk (Per 1 Million Persons)	2.1739
SCAQMD Threshold	>= 10 in 1 million
Exceed Threshold?	No

Formulas:

Cancer Risk = DPM Conc x DPM URF x LEA

DPM = Diesel Particulate Matter

URF = Unit Risk Factor

LEA = Lifetime Exposure Adjustment

Source: SCAQMD Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idle Emissions for CEQA Air Quality Analysis, August 2003; California Air Resources Board, Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values, April 25, 2005

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

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**
** AERMOD Input Produced by:
** AERMOD View Ver. 6.2.1
** Lakes Environmental Software Inc.
** Date: 4/20/2010
** File: J:\Projects\LADWP Echo Park Lake Rehabilitation Project 2009-034\Air Quality\Haul Truck HRA\HRA\HRA.ADI
**
*****
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**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
TITLEONE Echo Park Lake Rehabilitation
TITLETWO HRA - PM Diesel (Unmitigated)
MODELOPT DFAULT CONC
AVERTIME ANNUAL
URBANOPT 9862049 LA
POLLUTID DPM
RUNORNOT RUN
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
LOCATION SITE AREAPOLY 383597.686 3771297.106 0.0
** DESCRSRC Equipment Emissions
LOCATION HAULIDLE AREAPOLY 383597.686 3771297.106 0.0
** DESCRSRC Haul Truck Idle
** Line Source represented by Separated Volume Sources
** -----
** LINE Source ID = HAUL
** DESCRSRC haul route
** Length of Side = 10.00
** Emission Rate = 0.004766
** Elevated
** Vertical Dimension = 1.16
** SZINIT = 0.27
** Nodes = 11
** 383551.78, 3770631.65, 0.00, 1.52, 0.0
** 383535.72, 3770633.70, 0.00, 1.52, 2.88
** 383525.47, 3770633.02, 0.00, 1.52, 4.78
** 383507.35, 3770627.89, 0.00, 1.52, 8.75
** 383497.78, 3770619.69, 0.00, 1.52, 5.87
** 383483.08, 3770593.71, 0.00, 1.52, 6.94
** 383620.83, 3770547.91, 0.00, 1.52, 8.44
** 383595.53, 3770715.05, 0.00, 1.52, 8.73
** 383769.85, 3770623.45, 0.00, 1.52, 9.16
** 383754.85, 3770934.30, 0.00, 1.52, 9.04
** 383790.29, 3771008.25, 0.00, 1.52, 7.63
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LOCATION L0000001 VOLUME 383546.820 3770632.368 0.0
LOCATION L0000002 VOLUME 383540.680 3770633.132 0.0
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LOCATION L0000004 VOLUME 383512.164 3770629.330 0.0
LOCATION L0000005 VOLUME 383501.567 3770623.016 0.0
LOCATION L0000006 VOLUME 383492.897 3770611.103 0.0
LOCATION L0000007 VOLUME 383485.553 3770598.103 0.0
LOCATION L0000008 VOLUME 383495.564 3770589.608 0.0
LOCATION L0000009 VOLUME 383512.778 3770583.889 0.0
LOCATION L0000010 VOLUME 383529.993 3770578.170 0.0
LOCATION L0000011 VOLUME 383547.208 3770572.451 0.0
LOCATION L0000012 VOLUME 383564.423 3770566.733 0.0
LOCATION L0000013 VOLUME 383581.638 3770561.014 0.0
LOCATION L0000014 VOLUME 383598.853 3770555.295 0.0
LOCATION L0000015 VOLUME 383616.067 3770549.576 0.0
LOCATION L0000016 VOLUME 383618.752 3770561.612 0.0
LOCATION L0000017 VOLUME 383615.943 3770580.167 0.0
LOCATION L0000018 VOLUME 383613.134 3770598.723 0.0
LOCATION L0000019 VOLUME 383610.325 3770617.279 0.0
LOCATION L0000020 VOLUME 383607.516 3770635.834 0.0
LOCATION L0000021 VOLUME 383604.707 3770654.390 0.0
LOCATION L0000022 VOLUME 383601.898 3770672.945 0.0
LOCATION L0000023 VOLUME 383599.089 3770691.501 0.0
LOCATION L0000024 VOLUME 383596.280 3770710.056 0.0
LOCATION L0000025 VOLUME 383608.535 3770708.174 0.0
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LOCATION L0000028 VOLUME 383660.829 3770680.724 0.0
LOCATION L0000029 VOLUME 383678.260 3770671.574 0.0
LOCATION L0000030 VOLUME 383695.692 3770662.424 0.0
LOCATION L0000031 VOLUME 383713.123 3770653.274 0.0
LOCATION L0000032 VOLUME 383730.554 3770644.124 0.0
LOCATION L0000033 VOLUME 383747.985 3770634.974 0.0
LOCATION L0000034 VOLUME 383765.417 3770625.824 0.0
LOCATION L0000035 VOLUME 383769.147 3770637.928 0.0
LOCATION L0000036 VOLUME 383768.210 3770657.350 0.0
LOCATION L0000037 VOLUME 383767.272 3770676.771 0.0
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LOCATION L0000050 VOLUME 383755.085 3770929.256 0.0
LOCATION L0000051 VOLUME 383759.772 3770944.540 0.0
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LOCATION L0000053 VOLUME 383773.947 3770974.140 0.0
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LOCATION L0000054 VOLUME 383781.034 3770988.940 0.0
LOCATION L0000055 VOLUME 383788.122 3771003.740 0.0
** End of Line Source
** Source Parameters **
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AREAVERT SITE 383679.559 3771271.914 383782.688 3771226.254
AREAVERT SITE 383862.987 3771175.083 383752.773 3770936.548
AREAVERT SITE 383764.581 3770635.822 383599.260 3770717.695
AREAVERT SITE 383584.303 3771005.038 383585.877 3771127.848
AREAVERT SITE 383596.111 3771231.764
SRCPARAM HAULIDLE 6.076E-10 5.000 11 1.163
AREAVERT HAULIDLE 383597.686 3771297.106 383622.090 3771336.468
AREAVERT HAULIDLE 383679.559 3771271.914 383782.688 3771226.254
AREAVERT HAULIDLE 383862.987 3771175.083 383752.773 3770936.548
AREAVERT HAULIDLE 383764.581 3770635.822 383599.260 3770717.695
AREAVERT HAULIDLE 383584.303 3771005.038 383585.877 3771127.848
AREAVERT HAULIDLE 383596.111 3771231.764
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SRCPARAM L0000007 8.66545454545455E-5 1.52 6.94 0.27
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URBANSRC SITE
URBANSRC HAULIDLE
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URBANSRC L0000002
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URBANSRC L0000040
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URBANSRC L0000042
URBANSRC L0000043
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URBANSRC L0000046
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URBANSRC L0000049
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URBANSRC L0000052
URBANSRC L0000053
URBANSRC L0000054
URBANSRC L0000055

** Variable Emissions Type: "By Hour-of-Day"
** Variable Emission Scenario: "Equipment"
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EMISFACT SITE HROFDY 1 1 1 1 1 1
EMISFACT SITE HROFDY 1 1 1 1 0 0
EMISFACT SITE HROFDY 0 0 0 0 0 0

** Variable Emissions Type: "By Hour-of-Day"
** Variable Emission Scenario: "Haul Schedule"
EMISFACT HAULIDLE HROFDY 0 0 0 0 0 0
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EMISFACT HAULIDLE HROFDY 1 1 0 0 0 0
EMISFACT HAULIDLE HROFDY 0 0 0 0 0 0
EMISFACT L0000001 HROFDY 0 0 0 0 0 0
EMISFACT L0000001 HROFDY 0 0 1 1 1 1
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EMISFACT	L0000035	HR0F0Y	0	0	0	0	0	0	0
EMISFACT	L0000035	HR0F0Y	0	1	1	0	0	0</	

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EMISFACT L0000053 HROFDY 1 1 0 0 0 0
EMISFACT L0000053 HROFDY 0 0 0 0 0 0
EMISFACT L0000054 HROFDY 0 0 0 0 0 0
EMISFACT L0000054 HROFDY 0 0 1 1 1 1
EMISFACT L0000054 HROFDY 1 1 0 0 0 0
EMISFACT L0000054 HROFDY 0 0 0 0 0 0
EMISFACT L0000055 HROFDY 0 0 0 0 0 0
EMISFACT L0000055 HROFDY 0 0 1 1 1 1
EMISFACT L0000055 HROFDY 1 1 0 0 0 0
EMISFACT L0000055 HROFDY 0 0 0 0 0 0
SRCGROUP ONSITE SITE
SRCGROUP HAULIDLE HAULIDLE
SRCGROUP HAULROUT L0000001 L0000002 L0000003 L0000004 L0000005 L0000006
SRCGROUP HAULROUT L0000007 L0000008 L0000009 L0000010 L0000011 L0000012
SRCGROUP HAULROUT L0000013 L0000014 L0000015 L0000016 L0000017 L0000018
SRCGROUP HAULROUT L0000019 L0000020 L0000021 L0000022 L0000023 L0000024
SRCGROUP HAULROUT L0000025 L0000026 L0000027 L0000028 L0000029 L0000030
SRCGROUP HAULROUT L0000031 L0000032 L0000033 L0000034 L0000035 L0000036
SRCGROUP HAULROUT L0000037 L0000038 L0000039 L0000040 L0000041 L0000042
SRCGROUP HAULROUT L0000043 L0000044 L0000045 L0000046 L0000047 L0000048
SRCGROUP HAULROUT L0000049 L0000050 L0000051 L0000052 L0000053 L0000054
SRCGROUP HAULROUT L0000055
SRCGROUP ALL
SO FINISHED
**
*****
** AERMOD Receptor Pathway
*****
**
**
RE STARTING
** DESCRREC "temple" "Angelus Temple"
DISCCART 383660.97 3771329.43 0.00 0.00
** DESCRREC "CHURCH" "Episcopal Church"
DISCCART 383792.56 3770989.19 0.00 0.00
** DESCRREC "REC_CTR" "Receptors generated from Uniform Cartesian Grid"
DISCCART 383667.36 3770537.24 0.00 0.00
** DESCRREC "GRID" "Grid Receptors"
DISCCART 382752.04 3769951.94 0.00 0.00
DISCCART 382802.04 3769951.94 0.00 0.00
DISCCART 382852.04 3769951.94 0.00 0.00
DISCCART 382902.04 3769951.94 0.00 0.00
DISCCART 382952.04 3769951.94 0.00 0.00
DISCCART 383002.04 3769951.94 0.00 0.00
DISCCART 383052.04 3769951.94 0.00 0.00
DISCCART 383102.04 3769951.94 0.00 0.00
DISCCART 383152.04 3769951.94 0.00 0.00
DISCCART 383202.04 3769951.94 0.00 0.00
DISCCART 383252.04 3769951.94 0.00 0.00
DISCCART 383302.04 3769951.94 0.00 0.00
DISCCART 383352.04 3769951.94 0.00 0.00
DISCCART 383402.04 3769951.94 0.00 0.00
DISCCART 383452.04 3769951.94 0.00 0.00
DISCCART 383502.04 3769951.94 0.00 0.00
DISCCART 383552.04 3769951.94 0.00 0.00
DISCCART 383602.04 3769951.94 0.00 0.00
DISCCART 383652.04 3769951.94 0.00 0.00
DISCCART 383702.04 3769951.94 0.00 0.00
DISCCART 383752.04 3769951.94 0.00 0.00
DISCCART 383802.04 3769951.94 0.00 0.00
DISCCART 383852.04 3769951.94 0.00 0.00
DISCCART 383902.04 3769951.94 0.00 0.00
DISCCART 383952.04 3769951.94 0.00 0.00
DISCCART 384002.04 3769951.94 0.00 0.00
DISCCART 384052.04 3769951.94 0.00 0.00
DISCCART 384102.04 3769951.94 0.00 0.00
DISCCART 384152.04 3769951.94 0.00 0.00
DISCCART 384202.04 3769951.94 0.00 0.00
DISCCART 384252.04 3769951.94 0.00 0.00
DISCCART 384302.04 3769951.94 0.00 0.00
DISCCART 384352.04 3769951.94 0.00 0.00
DISCCART 384402.04 3769951.94 0.00 0.00
DISCCART 384452.04 3769951.94 0.00 0.00
DISCCART 384502.04 3769951.94 0.00 0.00
DISCCART 384552.04 3769951.94 0.00 0.00
DISCCART 384602.04 3769951.94 0.00 0.00
DISCCART 384652.04 3769951.94 0.00 0.00
DISCCART 384702.04 3769951.94 0.00 0.00
DISCCART 382752.04 3770001.94 0.00 0.00
DISCCART 382802.04 3770001.94 0.00 0.00
DISCCART 382852.04 3770001.94 0.00 0.00
DISCCART 382902.04 3770001.94 0.00 0.00
DISCCART 382952.04 3770001.94 0.00 0.00
DISCCART 383002.04 3770001.94 0.00 0.00
DISCCART 383052.04 3770001.94 0.00 0.00
DISCCART 383102.04 3770001.94 0.00 0.00
DISCCART 383152.04 3770001.94 0.00 0.00
DISCCART 383202.04 3770001.94 0.00 0.00
DISCCART 383252.04 3770001.94 0.00 0.00
DISCCART 383302.04 3770001.94 0.00 0.00
DISCCART 383352.04 3770001.94 0.00 0.00
DISCCART 383402.04 3770001.94 0.00 0.00
DISCCART 383452.04 3770001.94 0.00 0.00
DISCCART 383502.04 3770001.94 0.00 0.00
DISCCART 383552.04 3770001.94 0.00 0.00
DISCCART 383602.04 3770001.94 0.00 0.00
DISCCART 383652.04 3770001.94 0.00 0.00
DISCCART 383702.04 3770001.94 0.00 0.00
DISCCART 383752.04 3770001.94 0.00 0.00
DISCCART 383802.04 3770001.94 0.00 0.00
DISCCART 383852.04 3770001.94 0.00 0.00
DISCCART 383902.04 3770001.94 0.00 0.00
```

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

[illegible]

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

[illegible]

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

[illegible]

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

[illegible]

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

[illegible]

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

[illegible]

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

[illegible]

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

[illegible]

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

[illegible]

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

[illegible]

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

[illegible]

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

[illegible]

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

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Echo Park Lake Rehabilitation Project

Health Risk Assessment ~ PM Diesel Analysis

```
**
*****
** AERMOD Meteorology Pathway
*****
**
**
ME STARTING
SURFFILE cela.SFC
PROFFILE cela.PPL
SURFDATA 0 2006
UAIRDATA 3190 2006
PROFBASE 87 METERS
ME FINISHED
**
*****
** AERMOD Output Pathway
*****
**
**
OU STARTING
** Auto-Generated Plotfiles
PLOTFILE ANNUAL ALL HRA.AD\AN00GALL.PLT
PLOTFILE ANNUAL OnSite HRA.AD\AN00G001.PLT
PLOTFILE ANNUAL HaulIdle HRA.AD\AN00G002.PLT
PLOTFILE ANNUAL HaulRout HRA.AD\AN00G003.PLT
OU FINISHED

*****
*** SETUP Finishes Successfully ***
*****

*** AERMOD - VERSION 07026 ***    *** Echo Park Lake Rehabilitation    ***    04/20/10
*** HRA - PM Diesel (Unmitigated)    ***    11:23:25
**MODELOPTs:                        **
CONC                                DFAULT ELEV                                **
                                     ***    MODEL SETUP OPTIONS SUMMARY    ***
-----

**Model Is Setup For Calculation of Average CONCentration Values.

-- DEPOSITION LOGIC --
**Model Uses NO DRY DEPLETION.  DDPLETE = F
**Model Uses NO WET DEPLETION.  WDPLETE = F
**NO GAS DRY DEPOSITION Data Provided.

**Model Uses URBAN Dispersion Algorithm for the SBL for    57 Source(s),
for Total of    1 Urban Area(s):
Urban Population =    9862049.0 ; Urban Roughness Length =    1.000 m

**Model Uses Regulatory DEFAULT Options:
1. Stack-tip Downwash.
2. Model Accounts for ELEVated Terrain Effects.
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay for URBAN/Non-SO2

**Model Assumes No FLAGPOLE Receptor Heights.

**Model Calculates ANNUAL Averages Only

**This Run Includes:    57 Source(s);    4 Source Group(s); and    1548 Receptor(s)

**The Model Assumes A Pollutant Type of: DPM

**Model Set To Continue RUNNING After the Setup Testing.

**Output Options Selected:
Model Outputs Tables of ANNUAL Averages by Receptor
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =    87.00 ; Decay Coef. =    0.000    ; Rot. Angle =    0.0
Emission Units = GRAMS/SEC    ; Emission Rate Unit Factor =    0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =    1.4 MB of RAM.

*** AERMOD - VERSION 07026 ***    *** Echo Park Lake Rehabilitation    ***    04/20/10
*** HRA - PM Diesel (Unmitigated)    ***    11:23:25
**MODELOPTs:                        **
CONC                                DFAULT ELEV                                **

                                     *** VOLUME SOURCE DATA ***

SOURCE  NUMBER  EMISSION RATE  X  Y  BASE  RELEASE  INIT.  INIT.  URBAN  EMISSION RATE
ID      PART.   (GRAMS/SEC)      (METERS) (METERS) (METERS) (METERS) (METERS) (METERS) SOURCE  SCALAR VARY
                                BY
-----
L0000001  0  0.86655E-04  383546.8  3770632.2  0.0  1.52  2.88  0.27  YES  HROFDY
L0000002  0  0.86655E-04  383540.7  3770633.2  0.0  1.52  2.88  0.27  YES  HROFDY
L0000003  0  0.86655E-04  383530.5  3770633.2  0.0  1.52  4.78  0.27  YES  HROFDY
L0000004  0  0.86655E-04  383512.2  3770629.2  0.0  1.52  8.75  0.27  YES  HROFDY
L0000005  0  0.86655E-04  383501.6  3770623.0  0.0  1.52  5.87  0.27  YES  HROFDY
L0000006  0  0.86655E-04  383492.9  3770611.0  0.0  1.52  6.94  0.27  YES  HROFDY
L0000007  0  0.86655E-04  383485.6  3770598.0  0.0  1.52  6.94  0.27  YES  HROFDY
L0000008  0  0.86655E-04  383495.6  3770589.5  0.0  1.52  8.44  0.27  YES  HROFDY
L0000009  0  0.86655E-04  383512.8  3770584.0  0.0  1.52  8.44  0.27  YES  HROFDY
L0000010  0  0.86655E-04  383530.0  3770578.2  0.0  1.52  8.44  0.27  YES  HROFDY
L0000011  0  0.86655E-04  383547.2  3770572.5  0.0  1.52  8.44  0.27  YES  HROFDY
L0000012  0  0.86655E-04  383564.4  3770566.8  0.0  1.52  8.44  0.27  YES  HROFDY
L0000013  0  0.86655E-04  383581.6  3770561.0  0.0  1.52  8.44  0.27  YES  HROFDY
L0000014  0  0.86655E-04  383598.8  3770555.2  0.0  1.52  8.44  0.27  YES  HROFDY
L0000015  0  0.86655E-04  383616.1  3770549.5  0.0  1.52  8.44  0.27  YES  HROFDY
L0000016  0  0.86655E-04  383618.8  3770561.5  0.0  1.52  8.73  0.27  YES  HROFDY
L0000017  0  0.86655E-04  383615.9  3770580.2  0.0  1.52  8.73  0.27  YES  HROFDY
L0000018  0  0.86655E-04  383613.1  3770598.8  0.0  1.52  8.73  0.27  YES  HROFDY
L0000019  0  0.86655E-04  383610.3  3770617.2  0.0  1.52  8.73  0.27  YES  HROFDY
```

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

L0000020	0	0.86655E-04	383607.5	3770635.8	0.0	1.52	8.73	0.27	YES	HROFDY		
L0000021	0	0.86655E-04	383604.7	3770654.5	0.0	1.52	8.73	0.27	YES	HROFDY		
L0000022	0	0.86655E-04	383601.9	3770673.0	0.0	1.52	8.73	0.27	YES	HROFDY		
L0000023	0	0.86655E-04	383599.1	3770691.5	0.0	1.52	8.73	0.27	YES	HROFDY		
L0000024	0	0.86655E-04	383596.3	3770710.0	0.0	1.52	8.73	0.27	YES	HROFDY		
L0000025	0	0.86655E-04	383608.5	3770708.2	0.0	1.52	9.16	0.27	YES	HROFDY		
L0000026	0	0.86655E-04	383626.0	3770699.0	0.0	1.52	9.16	0.27	YES	HROFDY		
L0000027	0	0.86655E-04	383643.4	3770689.8	0.0	1.52	9.16	0.27	YES	HROFDY		
L0000028	0	0.86655E-04	383660.8	3770680.8	0.0	1.52	9.16	0.27	YES	HROFDY		
L0000029	0	0.86655E-04	383678.2	3770671.5	0.0	1.52	9.16	0.27	YES	HROFDY		
L0000030	0	0.86655E-04	383695.7	3770662.5	0.0	1.52	9.16	0.27	YES	HROFDY		
L0000031	0	0.86655E-04	383713.1	3770653.2	0.0	1.52	9.16	0.27	YES	HROFDY		
L0000032	0	0.86655E-04	383730.6	3770644.0	0.0	1.52	9.16	0.27	YES	HROFDY		
L0000033	0	0.86655E-04	383748.0	3770635.0	0.0	1.52	9.16	0.27	YES	HROFDY		
L0000034	0	0.86655E-04	383765.4	3770625.8	0.0	1.52	9.16	0.27	YES	HROFDY		
L0000035	0	0.86655E-04	383769.2	3770638.0	0.0	1.52	9.04	0.27	YES	HROFDY		
L0000036	0	0.86655E-04	383768.2	3770657.2	0.0	1.52	9.04	0.27	YES	HROFDY		
L0000037	0	0.86655E-04	383767.3	3770676.8	0.0	1.52	9.04	0.27	YES	HROFDY		
L0000038	0	0.86655E-04	383766.3	3770696.2	0.0	1.52	9.04	0.27	YES	HROFDY		
L0000039	0	0.86655E-04	383765.4	3770715.5	0.0	1.52	9.04	0.27	YES	HROFDY		
L0000040	0	0.86655E-04	383764.5	3770735.0	0.0	1.52	9.04	0.27	YES	HROFDY		
*** AERMOD - VERSION 07026 ***											***	04/20/10
*** Echo Park Lake Rehabilitation											***	11:23:25
*** HRA - PM Diesel (Unmitigated)											***	PAGE 3
**MODELOPTs:												
CONC												
DFAULT ELEV												

*** VOLUME SOURCE DATA ***												
SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY		
L0000041	0	0.86655E-04	383763.5	3770754.5	0.0	1.52	9.04	0.27	YES	HROFDY		
L0000042	0	0.86655E-04	383762.6	3770774.0	0.0	1.52	9.04	0.27	YES	HROFDY		
L0000043	0	0.86655E-04	383761.7	3770793.2	0.0	1.52	9.04	0.27	YES	HROFDY		
L0000044	0	0.86655E-04	383760.7	3770812.8	0.0	1.52	9.04	0.27	YES	HROFDY		
L0000045	0	0.86655E-04	383759.8	3770832.2	0.0	1.52	9.04	0.27	YES	HROFDY		
L0000046	0	0.86655E-04	383758.8	3770851.5	0.0	1.52	9.04	0.27	YES	HROFDY		
L0000047	0	0.86655E-04	383757.9	3770871.0	0.0	1.52	9.04	0.27	YES	HROFDY		
L0000048	0	0.86655E-04	383757.0	3770890.5	0.0	1.52	9.04	0.27	YES	HROFDY		
L0000049	0	0.86655E-04	383756.0	3770909.8	0.0	1.52	9.04	0.27	YES	HROFDY		
L0000050	0	0.86655E-04	383755.1	3770929.2	0.0	1.52	9.04	0.27	YES	HROFDY		
L0000051	0	0.86655E-04	383759.8	3770944.5	0.0	1.52	7.63	0.27	YES	HROFDY		
L0000052	0	0.86655E-04	383766.8	3770959.2	0.0	1.52	7.63	0.27	YES	HROFDY		
L0000053	0	0.86655E-04	383773.9	3770974.2	0.0	1.52	7.63	0.27	YES	HROFDY		
L0000054	0	0.86655E-04	383781.0	3770989.0	0.0	1.52	7.63	0.27	YES	HROFDY		
L0000055	0	0.86655E-04	383788.1	3771003.8	0.0	1.52	7.63	0.27	YES	HROFDY		
*** AERMOD - VERSION 07026 ***											***	04/20/10
*** Echo Park Lake Rehabilitation											***	11:23:25
*** HRA - PM Diesel (Unmitigated)											***	PAGE 4
**MODELOPTs:												
CONC												
DFAULT ELEV												

*** AREAPOLY SOURCE DATA ***												
SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY		
SITE	0	0.66350E-06	383597.7	3771297.0	0.0	5.00	11	1.16	YES	HROFDY		
HAULIDLE	0	0.60760E-09	383597.7	3771297.0	0.0	5.00	11	1.16	YES	HROFDY		
*** AERMOD - VERSION 07026 ***											***	04/20/10
*** Echo Park Lake Rehabilitation											***	11:23:25
*** HRA - PM Diesel (Unmitigated)											***	PAGE 5
**MODELOPTs:												
CONC												
DFAULT ELEV												

*** SOURCE IDs DEFINING SOURCE GROUPS ***													
GROUP ID		SOURCE IDs											
ONSITE	SITE												
HAULIDLE	HAULIDLE,												
HAULROUT	L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, L0000029, L0000030, L0000031, L0000032, L0000033, L0000034, L0000035, L0000036, L0000037, L0000038, L0000039, L0000040, L0000041, L0000042, L0000043, L0000044, L0000045, L0000046, L0000047, L0000048, L0000049, L0000050, L0000051, L0000052, L0000053, L0000054, L0000055,												
ALL	SITE	, HAULIDLE, L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, L0000029, L0000030, L0000031, L0000032, L0000033, L0000034, L0000035, L0000036, L0000037, L0000038, L0000039, L0000040, L0000041, L0000042, L0000043, L0000044, L0000045, L0000046, L0000047, L0000048, L0000049, L0000050, L0000051, L0000052, L0000053, L0000054, L0000055,											
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation										***	04/20/10
		*** HRA - PM Diesel (Unmitigated)										***	11:23:25
**MODELOPTs:													
CONC													
DFAULT ELEV													

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOURLY	SCALAR	HOURLY	SCALAR	HOURLY	SCALAR	HOURLY	SCALAR	HOURLY	SCALAR	HOURLY	SCALAR
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

SOURCE ID = SITE ; SOURCE TYPE = AREAPOLY :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = HAULIDLE ; SOURCE TYPE = AREAPOLY :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0000001 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0000002 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0000003 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
*** AERMOD - VERSION 07026 *** *** Echo Park Lake Rehabilitation *** 04/20/10											
*** HRA - PM Diesel (Unmitigated) *** 11:23:25											
**MODELOPTs: PAGE 7											
CONC											
DEFAULT ELEV											
* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *											
HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR
SOURCE ID = L0000004 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0000005 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0000006 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00								

SOURCE ID = L0000012 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0000013 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
*** AERMOD - VERSION 07026 *** *** Echo Park Lake Rehabilitation *** 04/20/10											
*** HRA - PM Diesel (Unmitigated) *** 11:23:25											
**MODELOPTs: PAGE 9											
CONC DFAULT ELEV											
* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *											
HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR
SOURCE ID = L0000014 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0000015 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0000016 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0000017 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0000018 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
*** AERMOD - VERSION 07026 *** *** Echo Park Lake Rehabilitation *** 04/20/10											
*** HRA - PM											

hour	SCALAR	hour	SCALAR	hour	SCALAR	hour	SCALAR	hour	SCALAR	hour	SCALAR
SOURCE ID = L0000024 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0000025 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0000026 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0000027 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0000028 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
*** AERMOD - VERSION 07026 ***										*** Echo Park Lake Rehabilitation	
										*** HRA - PM Diesel (Unmitigated)	
MODELOPTs:										*	
CONC										04/20/10	
										11:23:25	
										PAGE 12	
* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *											
hour	SCALAR	hour	SCALAR	hour	SCALAR	hour	SCALAR	hour	SCALAR	hour	SCALAR
SOURCE ID = L0000029 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0000030 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00						

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0000037 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0000038 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
*** AERMOD - VERSION 07026 *** *** Echo Park Lake Rehabilitation *** 04/20/10											
MODELOPTS: * HRA - PM Diesel (Unmitigated) *** 11:23:25											
CONC DFAULT ELEV PAGE 14											
* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *											
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
SOURCE ID = L0000039 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0000040 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0000041 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0000042 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0000043 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17			

Echo Park Lake Rehabilitation Project

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* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR
SOURCE ID = L0000049 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0000050 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0000051 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0000052 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0000053 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
*** AERMOD - VERSION 07026 ***											
*** Echo Park Lake Rehabilitation											
*** HRA - PM Diesel (Unmitigated)											

04/20/10											
11:23:25											
PAGE 17											
**MODELOPTs:											
CONC											
DFAULT ELEV											
* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *											

HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR	HOURL	SCALAR
SOURCE ID = L0000054 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
SOURCE ID = L0000055 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.00000E+00	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.00000E+00	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00
*** AERMOD - VERSION 07026 ***											
*** Echo Park Lake Rehabilitation											
*** HRA - PM Diesel (Unmitigated)											

04/20/10											
11:23:25											
PAGE 18											
**MODELOPTs:											
CONC											
DFAULT ELEV											

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(383661.0, 3771329.5, 0.0, 0.0, 0.0);	(383792.6, 3770989.2, 0.0, 0.0, 0.0);
(383667.4, 3770537.2, 0.0, 0.0, 0.0);	(382752.0, 3769952.0, 0.0, 0.0, 0.0);
(382802.0, 3769952.0, 0.0, 0.0, 0.0);	(382852.0, 3769952.0, 0.0, 0.0, 0.0);
(382902.0, 3769952.0, 0.0, 0.0, 0.0);	(382952.0, 3769952.0, 0.0, 0.0, 0.0);
(383002.0, 3769952.0, 0.0, 0.0, 0.0);	(383052.0, 3769952.0, 0.0, 0.0, 0.0);
(383102.0, 3769952.0, 0.0, 0.0, 0.0);	(383152.0, 3769952.0, 0.0, 0.0, 0.0);
(383202.0, 3769952.0, 0.0, 0.0, 0.0);	(383252.0, 3769952.0, 0.0, 0.0, 0.0);
(383302.0, 3769952.0, 0.0, 0.0, 0.0);	(383352.0, 3769952.0, 0.0, 0.0, 0.0);
(383402.0, 3769952.0, 0.0, 0.0, 0.0);	(383452.0, 3769952.0, 0.0, 0.0, 0.0);
(383502.0, 3769952.0, 0.0, 0.0, 0.0);	(383552.0, 3769952.0, 0.0, 0.0, 0.0);
(383602.0, 3769952.0, 0.0, 0.0, 0.0);	(383652.0, 3769952.0, 0.0, 0.0, 0.0);
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(384202.0, 3769952.0, 0.0, 0.0, 0.0);	(384252.0, 3769952.0, 0.0, 0.0, 0.0);
(384302.0, 3769952.0, 0.0, 0.0, 0.0);	(384352.0, 3769952.0, 0.0, 0.0, 0.0);
(384402.0, 3769952.0, 0.0, 0.0, 0.0);	(384452.0, 3769952.0, 0.0, 0.0, 0.0);
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(382902.0, 3770002.0, 0.0, 0.0, 0.0);	(382952.0, 3770002.0, 0.0, 0.0, 0.0);
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(383102.0, 3770002.0, 0.0, 0.0, 0.0);	(383152.0, 3770002.0, 0.0, 0.0, 0.0);
(383202.0, 3770002.0, 0.0, 0.0, 0.0);	(383252.0, 3770002.0, 0.0, 0.0, 0.0);
(383302.0, 3770002.0, 0.0, 0.0, 0.0);	(383352.0, 3770002.0, 0.0, 0.0, 0.0);
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(383502.0, 3770002.0, 0.0, 0.0, 0.0);	(383552.0, 3770002.0, 0.0, 0.0, 0.0);
(383602.0, 3770002.0, 0.0, 0.0, 0.0);	(383652.0, 3770002.0, 0.0, 0.0, 0.0);
(383702.0, 3770002.0, 0.0, 0.0, 0.0);	(383752.0, 3770002.0, 0.0, 0.0, 0.0);
(383802.0, 3770002.0, 0.0, 0.0, 0.0);	(383852.0, 3770002.0, 0.0, 0.0, 0.0);
(383902.0, 3770002.0, 0.0, 0.0, 0.0);	(383952.0, 3770002.0, 0.0, 0.0, 0.0);
(384002.0, 3770002.0, 0.0, 0.0, 0.0);	(384052.0, 3770002.0, 0.0, 0.0, 0.0);
(384102.0, 3770002.0, 0.0, 0.0, 0.0);	(384152.0, 3770002.0, 0.0, 0.0, 0.0);
(384202.0, 3770002.0, 0.0, 0.0, 0.0);	(384252.0, 3770002.0, 0.0, 0.0, 0.0);
(384302.0, 3770002.0, 0.0, 0.0, 0.0);	(384352.0, 3770002.0, 0.0, 0.0, 0.0);

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

(	384402.0,	3770002.0,	0.0,	0.0,	0.0,	0.0);	(	384452.0,	3770002.0,	0.0,	0.0,	0.0);
(	384502.0,	3770002.0,	0.0,	0.0,	0.0,	0.0);	(	384552.0,	3770002.0,	0.0,	0.0,	0.0);
(	384602.0,	3770002.0,	0.0,	0.0,	0.0,	0.0);	(	384652.0,	3770002.0,	0.0,	0.0,	0.0);
(	384702.0,	3770002.0,	0.0,	0.0,	0.0,	0.0);	(	382752.0,	3770052.0,	0.0,	0.0,	0.0);
(	382802.0,	3770052.0,	0.0,	0.0,	0.0,	0.0);	(	382852.0,	3770052.0,	0.0,	0.0,	0.0);
(	382902.0,	3770052.0,	0.0,	0.0,	0.0,	0.0);	(	382952.0,	3770052.0,	0.0,	0.0,	0.0);
(	383002.0,	3770052.0,	0.0,	0.0,	0.0,	0.0);	(	383052.0,	3770052.0,	0.0,	0.0,	0.0);
*** AERMOD - VERSION 07026 ***							*** Echo Park Lake Rehabilitation					*** 04/20/10
						*** HRA - PM Diesel (Unmitigated)					*** 11/23/10	

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**MODELOPTs:
CONC          DFAULT ELEV

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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

[illegible]

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*** AERMOD - VERSION 07026 ***      *** Echo Park Lake Rehabilitation ***      ***      04/20/10
*** HRA - PM Diesel (Unmitigated) ***      ***      11:23:25
**MODELOPTs:
CONC          DFAULT ELEV          ***      PAGE 20

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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
      (METERS)

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[illegible]

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

383802.0, 3770252.0, 0.0, 0.0, 0.0, 0.0);	(383852.0, 3770252.0, 0.0, 0.0, 0.0, 0.0);
(383902.0, 3770252.0, 0.0, 0.0, 0.0, 0.0);	(383952.0, 3770252.0, 0.0, 0.0, 0.0, 0.0);
(384002.0, 3770252.0, 0.0, 0.0, 0.0, 0.0);	(384052.0, 3770252.0, 0.0, 0.0, 0.0, 0.0);
*** AERMOD - VERSION 07026 ***	*** Echo Park Lake Rehabilitation ***
*** HRA - PM Diesel (Unmitigated) ***	*** HRA - PM Diesel (Unmitigated) ***
**MODELOPTs:	**MODELOPTs:
CONC	CONC
DFAULT	DFAULT
ELEV	ELEV
*** DISCRETE CARTESIAN RECEPTORS ***	
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)	
(METERS)	
(384102.0, 3770252.0, 0.0, 0.0, 0.0, 0.0);	(384152.0, 3770252.0, 0.0, 0.0, 0.0, 0.0);
(384202.0, 3770252.0, 0.0, 0.0, 0.0, 0.0);	(384252.0, 3770252.0, 0.0, 0.0, 0.0, 0.0);
(384302.0, 3770252.0, 0.0, 0.0, 0.0, 0.0);	(384352.0, 3770252.0, 0.0, 0.0, 0.0, 0.0);
(384402.0, 3770252.0, 0.0, 0.0, 0.0, 0.0);	(384452.0, 3770252.0, 0.0, 0.0, 0.0, 0.0);
(384502.0, 3770252.0, 0.0, 0.0, 0.0, 0.0);	(384552.0, 3770252.0, 0.0, 0.0, 0.0, 0.0);
(384602.0, 3770252.0, 0.0, 0.0, 0.0, 0.0);	(384652.0, 3770252.0, 0.0, 0.0, 0.0, 0.0);
(384702.0, 3770252.0, 0.0, 0.0, 0.0, 0.0);	(382752.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);
(382802.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);	(382852.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);
(382902.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);	(382952.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);
(383002.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);	(383052.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);
(383102.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);	(383152.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);
(383202.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);	(383252.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);
(383302.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);	(383352.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);
(383402.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);	(383452.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);
(383502.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);	(383552.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);
(383602.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);	(383652.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);
(383702.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);	(383752.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);
(383802.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);	(383852.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);
(383902.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);	(383952.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);
(384002.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);	(384052.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);
(384102.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);	(384152.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);
(384202.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);	(384252.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);
(384302.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);	(384352.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);
(384402.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);	(384452.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);
(384502.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);	(384552.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);
(384602.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);	(384652.0, 3770302.0, 0.0, 0.0, 0.0, 0.0);
(382752.0, 3770352.0, 0.0, 0.0, 0.0, 0.0);	(382752.0, 3770352.0, 0.0, 0.0, 0.0, 0.0);
(382802.0, 3770352.0, 0.0, 0.0, 0.0, 0.0);	(382852.0, 3770352.0, 0.0, 0.0, 0.0, 0.0);
(382902.0, 3770352.0, 0.0, 0.0, 0.0, 0.0);	(382952.0, 3770352.0, 0.0, 0.0, 0.0, 0.0);
(383002.0, 3770352.0, 0.0, 0.0, 0.0, 0.0);	(383052.0, 3770352.0, 0.0, 0.0, 0.0, 0.0);
(383102.0, 3770352.0, 0.0, 0.0, 0.0, 0.0);	(383152.0, 3770352.0, 0.0, 0.0, 0.0, 0.0);
(383202.0, 3770352.0, 0.0, 0.0, 0.0, 0.0);	(383252.0, 3770352.0, 0.0, 0.0, 0.0, 0.0);
(383302.0, 3770352.0, 0.0, 0.0, 0.0, 0.0);	(383352.0, 3770352.0, 0.0, 0.0, 0.0, 0.0);
(383402.0, 3770352.0, 0.0, 0.0, 0.0, 0.0);	(383452.0, 3770352.0, 0.0, 0.0, 0.0, 0.0);
(383502.0, 3770352.0, 0.0, 0.0, 0.0, 0.0);	(383552.0, 3770352.0, 0.0, 0.0, 0.0, 0.0);
(383602.0, 3770352.0, 0.0, 0.0, 0.0, 0.0);	(383652.0, 3770352.0, 0.0, 0.0, 0.0, 0.0);
(383702.0, 3770352.0, 0.0, 0.0, 0.0, 0.0);	(383752.0, 3770352.0, 0.0, 0.0, 0.0, 0.0);
(383802.0, 3770352.0, 0.0, 0.0, 0.0, 0.0	

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**MODELOPTS:
CONC

```

DEFAULT ELEV

*** HRA - PM Diesel (Unmitigated)

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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

[illegible]

*** AERMOD - VERSION 07026 ***

*** Echo Park Lake Rehabilitation
*** HRA - PM Diesel (Unmitigated)

☆☆☆

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11:23:25
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**MODELOPTS:
CONC

```

DEFAULT ELEV

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

[illegible]

*** AERMOD - VERSION 07026 ***

*** Echo Park Lake Rehabilitation
*** HRA - PM Diesel (Unmitigated)

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**MODELOPTs:
CONC

```

DEFAULT ELEV

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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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0.0, 0.0); ( 383302.0, 3770802.0, 0.0, 0.0, 0.0);
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Echo Park Lake Rehabilitation
HRA - PM Diesel (Unmitigated)

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383252.0	3770852.0	0.0	0.0	0.0	0.0	383302.0	3770852.0	0.0	0.0	0.0
383352.0	3770852.0	0.0	0.0	0.0	0.0	383402.0	3770852.0	0.0	0.0	0.0
383452.0	3770852.0	0.0	0.0	0.0	0.0	383502.0	3770852.0	0.0	0.0	0.0
383552.0	3770852.0	0.0	0.0	0.0	0.0	383802.0	3770852.0	0.0	0.0	0.0
383852.0	3770852.0	0.0	0.0	0.0	0.0	383902.0	3770852.0	0.0	0.0	0.0
383952.0	3770852.0	0.0	0.0	0.0	0.0	384002.0	3770852.0	0.0	0.0	0.0
384052.0	3770852.0	0.0	0.0	0.0	0.0	384102.0	3770852.0	0.0	0.0	0.0
384152.0	3770852.0	0.0	0.0	0.0	0.0	384202.0	3770852.0	0.0	0.0	0.0
384252.0	3770852.0	0.0	0.0	0.0	0.0	384302.0	3770852.0	0.0	0.0	0.0
384352.0	3770852.0	0.0	0.0	0.0	0.0	384402.0	3770852.0	0.0	0.0	0.0
384452.0	3770852.0	0.0	0.0	0.0	0.0	384502.0	3770852.0	0.0	0.0	0.0
384552.0	3770852.0	0.0	0.0	0.0	0.0	384602.0	3770852.0	0.0	0.0	0.0
384652.0	3770852.0	0.0	0.0	0.0	0.0	384702.0	3770852.0	0.0	0.0	0.0
382852.0	3770902.0	0.0	0.0	0.0	0.0	382802.0	3770902.0	0.0	0.0	0.0
382852.0	3770902.0	0.0	0.0	0.0	0.0	382902.0	3770902.0	0.0	0.0	0.0
382952.0	3770902.0	0.0	0.0	0.0	0.0	383002.0	3770902.0	0.0	0.0	0.0
383052.0	3770902.0	0.0	0.0	0.0	0.0	383102.0	3770902.0	0.0	0.0	0.0
383152.0	3770902.0	0.0	0.0	0.0	0.0	383202.0	3770902.0	0.0	0.0	0.0
383252.0	3770902.0	0.0	0.0	0.0	0.0	383302.0	3770902.0	0.0	0.0	0.0
383352.0	3770902.0	0.0	0.0	0.0	0.0	383402.0	3770902.0	0.0	0.0	0.0
383452.0	3770902.0	0.0	0.0	0.0	0.0	383502.0	3770902.0	0.0	0.0	0.0
383552.0	3770902.0	0.0	0.0	0.0	0.0	383802.0	3770902.0	0.0	0.0	0.0
383852.0	3770902.0	0.0	0.0	0.0	0.0	383902.0	3770902.0	0.0	0.0	0.0
383952.0	3770902.0	0.0	0.0	0.0	0.0	384002.0	3770902.0	0.0	0.0	0.0
384052.0	3770902.0	0.0	0.0	0.0	0.0	384102.0	3770902.0	0.0	0.0	0.0
384152.0	3770902.0	0.0	0.0	0.0	0.0	384202.0	3770902.0	0.0	0.0	0.0
384252.0	3770902.0	0.0	0.0	0.0	0.0	384302.0	3770902.0	0.0	0.0	0.0
384352.0	3770902.0	0.0	0.0	0.0	0.0	384402.0	3770902.0	0.0	0.0	0.0
384452.0	3770902.0	0.0	0.0	0.0	0.0	384502.0	3770902.0	0.0	0.0	0.0
384552.0	3770902.0	0.0	0.0	0.0	0.0	384602.0	3770902.0	0.0	0.0	0.0
384652.0	3770902.0	0.0	0.0	0.0	0.0	384702.0	3770902.0	0.0	0.0	0.0
382752.0	3770952.0	0.0	0.0	0.0	0.0	382802.0	3770952.0	0.0	0.0	0.0
382852.0	3770952.0	0.0	0.0	0.0	0.0	382902.0	3770952.0	0.0	0.0	0.0
382952.0	3770952.0	0.0	0.0	0.0	0.0	383002.0	3770952.0	0.0	0.0	0.0
383052.0	3770952.0	0.0	0.0	0.0	0.0	383102.0	3770952.0	0.0	0.0	0.0
383152.0	3770952.0	0.0	0.0	0.0	0.0					

Page 29 of 73

[illegible]

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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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( 384502.0, 3771202.0, 0.0, 0.0, 0.0); ( 384552.0, 3771202.0, 0.0, 0.0, 0.0);

*** AERMOD - VERSION 07026 *** *** Echo Park Lake Rehabilitation *** 04/20/10
*** HRA - PM Diesel (Unmitigated) *** 11:23:25
**MODELOPTs: ** 11:23:25
CONC DEFAULT ELEV ** PAGE 29

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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( 382802.0, 3771252.0, 0.0, 0.0, 0.0); ( 382852.0, 3771252.0, 0.0, 0.0, 0.0);

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Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

[illegible]

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

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( 383552.0, 3771552.0, 0.0, 0.0, 0.0, 0.0); ( 383602.0, 3771552.0, 0.0, 0.0, 0.0, 0.0);
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( 383852.0, 3771552.0, 0.0, 0.0, 0.0, 0.0); ( 383902.0, 3771552.0, 0.0, 0.0, 0.0, 0.0);
( 383952.0, 3771552.0, 0.0, 0.0, 0.0, 0.0); ( 384002.0, 3771552.0, 0.0, 0.0, 0.0, 0.0);
( 384052.0, 3771552.0, 0.0, 0.0, 0.0, 0.0); ( 384102.0, 3771552.0, 0.0, 0.0, 0.0, 0.0);
( 384152.0, 3771552.0, 0.0, 0.0, 0.0, 0.0); ( 384202.0, 3771552.0, 0.0, 0.0, 0.0, 0.0);
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*** AERMOD - VERSION 07026 *** *** Echo Park Lake Rehabilitation *** **
*** HRA - PM Diesel (Unmitigated) ***
**MODELOPTs: 04/20/10
CONC DFAULT ELEV 11:23:25
PAGE 32

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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( 383752.0, 3771602
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Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

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( 383052.0, 3771802.0, 0.0, 0.0, 0.0, 0.0); ( 383102.0, 3771802.0, 0.0, 0.0, 0.0, 0.0);
( 383152.0, 3771802.0, 0.0, 0.0, 0.0, 0.0); ( 383202.0, 3771802.0, 0.0, 0.0, 0.0, 0.0);
( 383252.0, 3771802.0, 0.0, 0.0, 0.0, 0.0); ( 383302.0, 3771802.0, 0.0, 0.0, 0.0, 0.0);

*** AERMOD - VERSION 07026 *** *** Echo Park Lake Rehabilitation *** 04/20/10
*** HRA - PM Diesel (Unmitigated) *** 11:23:25
**MODELOPTs: ** 11:23:25
CONC DFAULT ELEV PAGE 34

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

( 383352.0, 3771802.0, 0.0, 0.0, 0.0, 0.0); ( 383402.0, 3771802.0, 0.0, 0.0, 0.0, 0.0);
( 383452.0, 3771802.0, 0.0, 0.0, 0.0, 0.0); ( 383502.0, 3771802.0, 0.0, 0.0, 0.0, 0.0);
( 383552.0, 3771802.0, 0.0, 0.0, 0.0, 0.0); ( 383602.0, 3771802.0, 0.0, 0.0, 0.0, 0.0);
( 383652.0, 3771802.0, 0.0, 0.0, 0.0, 0.0); ( 383702.0, 3771802.0, 0.0, 0.0, 0.0, 0.0);
( 383752.0, 3771802.0, 0.0, 0.0, 0.0, 0.0); ( 383802.0, 3771802.0, 0.0, 0.0, 0.0, 0.0);
( 383852.0, 3771802.0, 0.0, 0.0, 0.0, 0.0); ( 383902.0, 3771802.0, 0.0, 0.0, 0.0, 0.0);
( 383952.0, 3771802.0, 0.0, 0.0, 0.0, 0.0); ( 384002.0, 3771802.0, 0.0, 0.0, 0.0, 0.0);
( 384052.0, 3771802.0, 0.0, 0.0, 0.0, 0.0); ( 384102.0, 3771802.0, 0.0, 0.0, 0.0, 0.0);
( 384152.0, 3771802.0, 0.0, 0.0, 0.0, 0.0); ( 384202.0, 3771802.0, 0.0, 0.0, 0.0, 0.0);
( 384252.0, 3771802.0, 0.0, 0.0, 0.0, 0.0); ( 384302.0, 3771802.0, 0.0, 0.0, 0.0, 0.0);
( 384352.0, 3771802.0, 0.0, 0.0, 0.0, 0.0); ( 384402.0, 3771802.0, 0.0, 0.0, 0.0, 0.0);
( 384452.0, 3771802.0, 0.0, 0.0, 0.0, 0.0); ( 384502.0, 3771802.0, 0.0, 0.0, 0.0, 0.0);
( 384552.0, 3771802.0, 0.0, 0.0, 0.0, 0.0); ( 384602.0, 3771802.0, 0.0, 0.0, 0.0, 0.0);
( 384652.0, 3771802.0, 0.0, 0.0, 0.0, 0.0
```

LESS THAN 1.0 METER OR WITHIN OPEN PIT SOURCE

```
*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***  
      (1=YES; 0=NO)  
  
    1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  
    1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  
    1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  
    1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  
    1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  
    1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  
    1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  
    1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  
    1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  
  
METEOROLOGICAL DATA PROCESSED BETWEEN START DATE:   0   0   0   0  
AND END DATE: 9999  99 99 24
```

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*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file:      cels.SFC                                     Met Version: 06341
Profile file:      cels.PFL
Surface format:    (3(12,1X),13,1X,12,1X,F6,1,1X,3(F6,3,1X),2(F5,0,1X),F8,1,1X,F6,3,1X,2(F6,2,1X),F7,2,1X,F5,0,3(1X,F6,1))
Profile format:    (4(12,1X),F6,1,1X,11,1X,F5,0,1X,F7,2,1X,F7,2,1X,F6,1,1X,F7,2)
Surface station no.: 0                                         Upper air station no.: 3190

Name: UNKNOWNN
Year: 2006

Name: UNKNOWNN
Year: 2006

```

First hour of profile data												
YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV	
06	01	01	01	17.7	0	-999.	-99.00	286.5	99.0	-99.00	-99.00	
06	01	01	01	21.3	1	347.	0.70	-999.0	99.0	-99.00	-99.00	

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: ONSITE ***
 INCLUDING SOURCE(S): SITE

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
-------------	-------------	------	-------------	-------------	------

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

383660.97	3771329.50	0.48716	383792.56	3770989.25	0.60626
383667.38	3770537.25	0.10049	382752.03	3769952.00	0.02950
382802.03	3769952.00	0.03140	382852.03	3769952.00	0.03316
382902.03	3769952.00	0.03472	382952.03	3769952.00	0.03597
383002.03	3769952.00	0.03682	383052.03	3769952.00	0.03715
383102.03	3769952.00	0.03689	383152.03	3769952.00	0.03596
383202.03	3769952.00	0.03437	383252.03	3769952.00	0.03213
383302.03	3769952.00	0.02936	383352.03	3769952.00	0.02623
383402.03	3769952.00	0.02294	383452.03	3769952.00	0.01969
383502.03	3769952.00	0.01667	383552.03	3769952.00	0.01399
383602.03	3769952.00	0.01168	383652.03	3769952.00	0.00974
383702.03	3769952.00	0.00815	383752.03	3769952.00	0.00687
383802.03	3769952.00	0.00587	383852.03	3769952.00	0.00512
383902.03	3769952.00	0.00458	383952.03	3769952.00	0.00421
384002.03	3769952.00	0.00395	384052.03	3769952.00	0.00375
384102.03	3769952.00	0.00358	384152.03	3769952.00	0.00343
384202.03	3769952.00	0.00328	384252.03	3769952.00	0.00312
384302.03	3769952.00	0.00295	384352.03	3769952.00	0.00277
384402.03	3769952.00	0.00259	384452.03	3769952.00	0.00241
384502.03	3769952.00	0.00224	384552.03	3769952.00	0.00208
384602.03	3769952.00	0.00193	384652.03	3769952.00	0.00179
384702.03	3769952.00	0.00167	382752.03	3770002.00	0.02966
382802.03	3770002.00	0.03184	382852.03	3770002.00	0.03396
382902.03	3770002.00	0.03592	382952.03	3770002.00	0.03762
383002.03	3770002.00	0.03895	383052.03	3770002.00	0.03978
383102.03	3770002.00	0.03999	383152.03	3770002.00	0.03948
383202.03	3770002.00	0.03819	383252.03	3770002.00	0.03611
383302.03	3770002.00	0.03333	383352.03	3770002.00	0.03000
383402.03	3770002.00	0.02635	383452.03	3770002.00	0.02264
383502.03	3770002.00	0.01910	383552.03	3770002.00	0.01592
383602.03	3770002.00	0.01316	383652.03	3770002.00	0.01085
383702.03	3770002.00	0.00897	383752.03	3770002.00	0.00748
383802.03	3770002.00	0.00634	383852.03	3770002.00	0.00550
383902.03	3770002.00	0.00491	383952.03	3770002.00	0.00450
384002.03	3770002.00	0.00421	384052.03	3770002.00	0.00399
384102.03	3770002.00	0.00379	384152.03	3770002.00	0.00361
384202.03	3770002.00	0.00343	384252.03	3770002.00	0.00324
384302.03	3770002.00	0.00303	384352.03	3770002.00	0.00282
384402.03	3770002.00	0.00262	384452.03	3770002.00	0.00243
384502.03	3770002.00	0.00226	384552.03	3770002.00	0.00210
*** AERMOD - VERSION 07026 ***	*** Echo Park Lake Rehabilitation			***	04/20/10
	*** HRA - PM Diesel (Unmitigated)			***	11:23:25
**MODELOPTs:					PAGE 40
CONC	DEFAULT ELEV				
*** THE ANNUAL AVERAGE CONCENTRATION INCLUDING SOURCE(S):	VALUES AVERAGED OVER	2 YEARS FOR SOURCE GROUP: ONSITE	***		
	SITE ,				
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
** CONC OF DPM	IN MICROGRAMS/M**3	**			
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
384602.03	3770002.00	0.00195	384652.03	3770002.00	0.00182
384702.03	3770002.00	0.00171	382752.03	3770052.00	0.02960
382802.03	3770052.00	0.03206	382852.03	3770052.00	0.03451
382902.03	3770052.00	0.03689	382952.03	3770052.00	0.03908
383002.03	3770052.00	0.04095	383052.03	3770052.00	0.04236
383102.03	3770052.00	0.04315	383152.03	3770052.00	0.04318
383202.03	3770052.00	0.04234	383252.03	3770052.00	0.04056
383302.03	3770052.00	0.03788	383352.03	3770052.00	0.03443
383402.03	3770052.00	0.03045	383452.03	3770052.00	0.02623
383502.03	3770052.00	0.02210	383552.03	3770052.00	0.01829
383602.03	3770052.00	0.01498	383652.03	3770052.00	0.01220
383702.03	3770052.00	0.00996	383752.03	3770052.00	0.00821
383802.03	3770052.00	0.00689	383852.03	3770052.00	0.00594
383902.03	3770052.00	0.00528	383952.03	3770052.00	0.00483
384002.03	3770052.00	0.00451	384052.03	3770052.00	0.00425
384102.03	3770052.00	0.00402	384152.03	3770052.00	0.00380
384202.03	3770052.00	0.00357	384252.03	3770052.00	0.00334
384302.03	3770052.00	0.00311	384352.03	3770052.00	0.00288
384402.03	3770052.00	0.00267	384452.03	3770052.00	0.00247
384502.03	3770052.00	0.00229	384552.03	3770052.00	0.00213
384602.03	3770052.00	0.00199	384652.03	3770052.00	0.00187
384702.03	3770052.00	0.00176	382752.03	3770102.00	0.02931
382802.03	3770102.00	0.03202	382852.03	3770102.00	0.03480
382902.03	3770102.00	0.03759	382952.03	3770102.00	0.04027
383002.03	3770102.00	0.04273	383052.03	3770102.00	0.04479
383102.03	3770102.00	0.04628	383152.03	3770102.00	0.04700
383202.03	3770102.00	0.04678	383252.03	3770102.00	0.04549
383302.03	3770102.00	0.04309	383352.03	3770102.00	0.03965
383402.03	3770102.00	0.03539	383452.03	3770102.00	0.03065
383502.03	3770102.00	0.02582	383552.03	3770102.00	0.02127
383602.03	3770102.00	0.01724	383652.03	3770102.00	0.01386
383702.03	3770102.00	0.01115	383752.03	3770102.00	0.00906
383802.03	3770102.00	0.00752	383852.03	3770102.00	0.00645
383902.03	3770102.00	0.00571	383952.03	3770102.00	0.00521
384002.03	3770102.00	0.00484	384052.03	3770102.00	0.00453
384102.03	3770102.00	0.00426	384152.03	3770102.00	0.00399
384202.03	3770102.00	0.00372	384252.03	3770102.00	0.00345
384302.03	3770102.00	0.00319	384352.03	3770102.00	0.00294
384402.03	3770102.00	0.00272	384452.03	3770102.00	0.00252
384502.03	3770102.00	0.00235	384552.03	3770102.00	0.00219
*** AERMOD - VERSION 07026 ***	*** Echo Park Lake Rehabilitation			***	04/20/10
	*** HRA - PM Diesel (Unmitigated)			***	11:23:25
**MODELOPTs:					PAGE 41
CONC	DEFAULT ELEV				
*** THE ANNUAL AVERAGE CONCENTRATION INCLUDING SOURCE(S):	VALUES AVERAGED OVER	2 YEARS FOR SOURCE GROUP: ONSITE	***		
	SITE ,				
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
** CONC OF DPM	IN MICROGRAMS/M**3	**			
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
384602.03	3770102.00	0.00205	384652.03	3770102.00	0.00193
384702.03	3770102.00	0.00183	382752.03	3770152.00	0.02880
382802.03	3770152.00	0.03171	382852.03	3770152.00	0.03479
382902.03	3770152.00	0.03797	382952.03	3770152.00	0.04115
383002.03	3770152.00	0.04422	383052.03	3770152.00	0.04699

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

383102.03	3770152.00	0.04927	383152.03	3770152.00	0.05084
383202.03	3770152.00	0.05144	383252.03	3770152.00	0.05087
383302.03	3770152.00	0.04898	383352.03	3770152.00	0.04575
383402.03	3770152.00	0.04135	383452.03	3770152.00	0.03612
383502.03	3770152.00	0.03052	383552.03	3770152.00	0.02505
383602.03	3770152.00	0.02011	383652.03	3770152.00	0.01593
383702.03	3770152.00	0.01260	383752.03	3770152.00	0.01008
383802.03	3770152.00	0.00827	383852.03	3770152.00	0.00704
383902.03	3770152.00	0.00621	383952.03	3770152.00	0.00563
384002.03	3770152.00	0.00520	384052.03	3770152.00	0.00484
384102.03	3770152.00	0.00450	384152.03	3770152.00	0.00418
384202.03	3770152.00	0.00386	384252.03	3770152.00	0.00356
384302.03	3770152.00	0.00328	384352.03	3770152.00	0.00302
384402.03	3770152.00	0.00280	384452.03	3770152.00	0.00260
384502.03	3770152.00	0.00242	384552.03	3770152.00	0.00227
384602.03	3770152.00	0.00213	384652.03	3770152.00	0.00202
384702.03	3770152.00	0.00193	382752.03	3770202.00	0.02806
382802.03	3770202.00	0.03115	382852.03	3770202.00	0.03447
382902.03	3770202.00	0.03800	382952.03	3770202.00	0.04166
383002.03	3770202.00	0.04533	383052.03	3770202.00	0.04885
383102.03	3770202.00	0.05202	383152.03	3770202.00	0.05456
383202.03	3770202.00	0.05620	383252.03	3770202.00	0.05661
383302.03	3770202.00	0.05554	383352.03	3770202.00	0.05282
383402.03	3770202.00	0.04851	383452.03	3770202.00	0.04290
383502.03	3770202.00	0.03649	383552.03	3770202.00	0.02993
383602.03	3770202.00	0.02381	383652.03	3770202.00	0.01858
383702.03	3770202.00	0.01442	383752.03	3770202.00	0.01133
383802.03	3770202.00	0.00917	383852.03	3770202.00	0.00773
383902.03	3770202.00	0.00678	383952.03	3770202.00	0.00612
384002.03	3770202.00	0.00561	384052.03	3770202.00	0.00517
384102.03	3770202.00	0.00476	384152.03	3770202.00	0.00437
384202.03	3770202.00	0.00401	384252.03	3770202.00	0.00368
384302.03	3770202.00	0.00339	384352.03	3770202.00	0.00313
384402.03	3770202.00	0.00291	384452.03	3770202.00	0.00270
384502.03	3770202.00	0.00252	384552.03	3770202.00	0.00237
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	04/20/10
		*** HRA - PM Diesel (Unmitigated)		***	11:23:25
**MODELOPTs:				PAGE 42	
CONC		DFAULT ELEV			

*** THE ANNUAL AVERAGE CONCENTRATION		VALUES AVERAGED OVER		2 YEARS FOR SOURCE GROUP: ONSITE		***
INCLUDING SOURCE(S):		SITE				
*** DISCRETE CARTESIAN RECEPTOR POINTS ***						
** CONC OF DPM		IN MICROGRAMS/M**3				**
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC	
384602.03	3770202.00	0.00224	384652.03	3770202.00	0.00213	
384702.03	3770202.00	0.00204	382752.03	3770252.00	0.02712	
382802.03	3770252.00	0.03032	382852.03	3770252.00	0.03384	
382902.03	3770252.00	0.03767	382952.03	3770252.00	0.04175	
383002.03	3770252.00	0.04600	383052.03	3770252.00	0.05027	
383102.03	3770252.00	0.05437	383152.03	3770252.00	0.05802	
383202.03	3770252.00	0.06089	383252.03	3770252.00	0.06258	
383302.03	3770252.00	0.06270	383352.03	3770252.00	0.06091	
383402.03	3770252.00	0.05707	383452.03	3770252.00	0.05132	
383502.03	3770252.00	0.04414	383552.03	3770252.00	0.03632	
383602.03	3770252.00	0.02872	383652.03	3770252.00	0.02205	
383702.03	3770252.00	0.01674	383752.03	3770252.00	0.01287	
383802.03	3770252.00	0.01024	383852.03	3770252.00	0.00855	
383902.03	3770252.00	0.00745	383952.03	3770252.00	0.00667	
384002.03	3770252.00	0.00605	384052.03	3770252.00	0.00552	
384102.03	3770252.00	0.00503	384152.03	3770252.00	0.00459	
384202.03	3770252.00	0.00419	384252.03	3770252.00	0.00385	
384302.03	3770252.00	0.00354	384352.03	3770252.00	0.00328	
384402.03	3770252.00	0.00304	384452.03	3770252.00	0.00283	
384502.03	3770252.00	0.00265	384552.03	3770252.00	0.00249	
384602.03	3770252.00	0.00236	384652.03	3770252.00	0.00226	
384702.03	3770252.00	0.00217	382752.03	3770302.00	0.02601	
382802.03	3770302.00	0.02926	382852.03	3770302.00	0.03291	
382902.03	3770302.00	0.03697	382952.03	3770302.00	0.04141	
383002.03	3770302.00	0.04618	383052.03	3770302.00	0.05116	
383102.03	3770302.00	0.05620	383152.03	3770302.00	0.06102	
383202.03	3770302.00	0.06530	383252.03	3770302.00	0.06857	
383302.03	3770302.00	0.07031	383352.03	3770302.00	0.06998	
383402.03	3770302.00	0.06717	383452.03	3770302.00	0.06174	
383502.03	3770302.00	0.05403	383552.03	3770302.00	0.04485	
383602.03	3770302.00	0.03537	383652.03	3770302.00	0.02675	
383702.03	3770302.00	0.01981	383752.03	3770302.00	0.01482	
383802.03	3770302.00	0.01157	383852.03	3770302.00	0.00954	
383902.03	3770302.00	0.00823	383952.03	3770302.00	0.00729	
384002.03	3770302.00	0.00654	384052.03	3770302.00	0.00590	
384102.03	3770302.00	0.00534	384152.03	3770302.00	0.00485	
384202.03	3770302.00	0.00442	384252.03	3770302.00	0.00406	
384302.03	3770302.00	0.00374	384352.03	3770302.00	0.00347	
384402.03	3770302.00	0.00322	384452.03	3770302.00	0.00300	
384502.03	3770302.00	0.00281	384552.03	3770302.00	0.00265	
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***		04/20/10
		*** HRA - PM Diesel (Unmitigated)		***		11:23:25
**MODELOPTs:						PAGE 43
CONC		DFAULT ELEV				

*** THE ANNUAL AVERAGE CONCENTRATION INCLUDING SOURCE(S):			VALUES AVERAGED OVER SITE ,		2 YEARS FOR SOURCE GROUP: ONSITE	***
*** DISCRETE CARTESIAN RECEPTOR POINTS ***						
		** CONC OF DPM	IN MICROGRAMS/M**3			
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC	
384602.03	3770302.00	0.00252	384652.03	3770302.00	0.00241	
384702.03	3770302.00	0.00232	382752.03	3770352.00	0.02475	
382802.03	3770352.00	0.02800	382852.03	3770352.00	0.03171	
382902.03	3770352.00	0.03592	382952.03	3770352.00	0.04063	
383002.03	3770352.00	0.04583	383052.03	3770352.00	0.05145	
383102.03	3770352.00	0.05738	383152.03	3770352.00	0.06340	
383202.03	3770352.00	0.06919	383252.03	3770352.00	0.07429	
383302.03	3770352.00	0.07809	383352.03	3770352.00	0.07986	
383402.03	3770352.00	0.07886	383452.03	3770352.00	0.07453	
383502.03	3770352.00	0.06683	383552.03	3770352.00	0.05641	
383602.03	3770352.00	0.04466	383652.03	3770352.00	0.03334	

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

383702.03	3770352.00	0.02401	383752.03	3770352.00	0.01738
383802.03	3770352.00	0.01322	383852.03	3770352.00	0.01074
383902.03	3770352.00	0.00916	383952.03	3770352.00	0.00801
384002.03	3770352.00	0.00710	384052.03	3770352.00	0.00635
384102.03	3770352.00	0.00571	384152.03	3770352.00	0.00518
384202.03	3770352.00	0.00473	384252.03	3770352.00	0.00434
384302.03	3770352.00	0.00400	384352.03	3770352.00	0.00370
384402.03	3770352.00	0.00343	384452.03	3770352.00	0.00320
384502.03	3770352.00	0.00300	384552.03	3770352.00	0.00283
384602.03	3770352.00	0.00270	384652.03	3770352.00	0.00258
384702.03	3770352.00	0.00249	382752.03	3770402.00	0.02338
382802.03	3770402.00	0.02657	382852.03	3770402.00	0.03028
382902.03	3770402.00	0.03455	382952.03	3770402.00	0.03943
383002.03	3770402.00	0.04495	383052.03	3770402.00	0.05111
383102.03	3770402.00	0.05784	383152.03	3770402.00	0.06500
383202.03	3770402.00	0.07233	383252.03	3770402.00	0.07942
383302.03	3770402.00	0.08567	383352.03	3770402.00	0.09022
383402.03	3770402.00	0.09202	383452.03	3770402.00	0.08997
383502.03	3770402.00	0.08334	383552.03	3770402.00	0.07224
383602.03	3770402.00	0.05800	383652.03	3770402.00	0.04302
383702.03	3770402.00	0.03005	383752.03	3770402.00	0.02085
383802.03	3770402.00	0.01535	383852.03	3770402.00	0.01224
383902.03	3770402.00	0.01028	383952.03	3770402.00	0.00887
384002.03	3770402.00	0.00777	384052.03	3770402.00	0.00691
384102.03	3770402.00	0.00621	384152.03	3770402.00	0.00562
384202.03	3770402.00	0.00513	384252.03	3770402.00	0.00470
384302.03	3770402.00	0.00432	384352.03	3770402.00	0.00398
384402.03	3770402.00	0.00369	384452.03	3770402.00	0.00344
384502.03	3770402.00	0.00323	384552.03	3770402.00	0.00306
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	04/20/10
MODELOPTs:		* HRA - PM Diesel (Unmitigated)		***	11:23:25
CONC		DFAULT ELEV		PAGE 44	

*** THE ANNUAL AVERAGE CONCENTRATION INCLUDING SOURCE(S):			VALUES AVERAGED OVER SITE		2 YEARS FOR SOURCE GROUP: ONSITE		***
*** DISCRETE CARTESIAN RECEPTOR POINTS ***							
** CONC OF DPM			IN MICROGRAMS/M**3				**
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC		
384602.03	3770402.00	0.00291	384652.03	3770402.00	0.00279		
384702.03	3770402.00	0.00268	382752.03	3770452.00	0.02195		
382802.03	3770452.00	0.02503	382852.03	3770452.00	0.02865		
382902.03	3770452.00	0.03290	382952.03	3770452.00	0.03786		
383002.03	3770452.00	0.04358	383052.03	3770452.00	0.05013		
383102.03	3770452.00	0.05752	383152.03	3770452.00	0.06568		
383202.03	3770452.00	0.07448	383252.03	3770452.00	0.08362		
383302.03	3770452.00	0.09257	383352.03	3770452.00	0.10052		
383402.03	3770452.00	0.10624	383452.03	3770452.00	0.10810		
383502.03	3770452.00	0.10439	383552.03	3770452.00	0.09408		
383602.03	3770452.00	0.07774	383652.03	3770452.00	0.05803		
383702.03	3770452.00	0.03938	383752.03	3770452.00	0.02583		
383802.03	3770452.00	0.01819	383852.03	3770452.00	0.01415		
383902.03	3770452.00	0.01167	383952.03	3770452.00	0.00994		
384002.03	3770452.00	0.00866	384052.03	3770452.00	0.00767		
384102.03	3770452.00	0.00688	384152.03	3770452.00	0.00622		
384202.03	3770452.00	0.00565	384252.03	3770452.00	0.00515		
384302.03	3770452.00	0.00471	384352.03	3770452.00	0.00433		
384402.03	3770452.00	0.00401	384452.03	3770452.00	0.00374		
384502.03	3770452.00	0.00352	384552.03	3770452.00	0.00333		
384602.03	3770452.00	0.00317	384652.03	3770452.00	0.00303		
384702.03	3770452.00	0.00291	382752.03	3770502.00	0.02049		
382802.03	3770502.00	0.02341	382852.03	3770502.00	0.02690		
382902.03	3770502.00	0.03104	382952.03	3770502.00	0.03596		
383002.03	3770502.00	0.04176	383052.03	3770502.00	0.04855		
383102.03	3770502.00	0.05642	383152.03	3770502.00	0.06541		
383202.03	3770502.00	0.07550	383252.03	3770502.00	0.08656		
383302.03	3770502.00	0.09828	383352.03	3770502.00	0.11004		
383402.03	3770502.00	0.12075	383452.03	3770502.00	0.12851		
383502.03	3770502.00	0.13061	383552.03	3770502.00	0.12413		
383602.03	3770502.00	0.10764	383652.03	3770502.00	0.08286		
383702.03	3770502.00	0.05535	383752.03	3770502.00	0.03362		
383802.03	3770502.00	0.02214	383852.03	3770502.00	0.01674		
383902.03	3770502.00	0.01356	383952.03	3770502.00	0.01145		
384002.03	3770502.00	0.00993	384052.03	3770502.00	0.00877		
384102.03	3770502.00	0.00782	384152.03	3770502.00	0.00702		
384202.03	3770502.00	0.00633	384252.03	3770502.00	0.00573		
384302.03	3770502.00	0.00522	384352.03	3770502.00	0.00479		
384402.03	3770502.00	0.00443	384452.03	3770502.00	0.00414		
384502.03	3770502.00	0.00389	384552.03	3770502.00	0.00368		
*** AERMOD - VERSION 07026 ***			*** Echo Park Lake Rehabilitation		***	04/20/10	
MODELOPTs:			* HRA - PM Diesel (Unmitigated)		***	11:23:25	
						PAGE 45	

*** THE ANNUAL AVERAGE CONCENTRATION INCLUDING SOURCE(S):			VALUES AVERAGED OVER SITE		2 YEARS FOR SOURCE GROUP: ONSITE		***
*** DISCRETE CARTESIAN RECEPTOR POINTS ***							
** CONC OF DPM			IN MICROGRAMS/M**3		**		
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC		
384602.03	3770502.00	0.00349	384652.03	3770502.00	0.00332		
384702.03	3770502.00	0.00317	382752.03	3770552.00	0.01903		
382802.03	3770552.00	0.02176	382852.03	3770552.00	0.02506		
382902.03	3770552.00	0.02903	382952.03	3770552.00	0.03381		
383002.03	3770552.00	0.03956	383052.03	3770552.00	0.04642		
383102.03	3770552.00	0.05458	383152.03	3770552.00	0.06417		
383202.03	3770552.00	0.07531	383252.03	3770552.00	0.08806		
383302.03	3770552.00	0.10237	383352.03	3770552.00	0.11802		
383402.03	3770552.00	0.13440	383452.03	3770552.00	0.15010		
383502.03	3770552.00	0.16201	383552.03	3770552.00	0.16494		
383602.03	3770552.00	0.15363	383652.03	3770552.00	0.12666		
383702.03	3770552.00	0.08716	383752.03	3770552.00	0.04779		
383802.03	3770552.00	0.02819	383852.03	3770552.00	0.02068		
383902.03	3770552.00	0.01656	383952.03	3770552.00	0.01388		
384002.03	3770552.00	0.01193	384052.03	3770552.00	0.01041		
384102.03	3770552.00	0.00918	384152.03	3770552.00	0.00814		
384202.03	3770552.00	0.00727	384252.03	3770552.00	0.00654		

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

384302.03	3770552.00	0.00593	384352.03	3770552.00	0.00542
384402.03	3770552.00	0.00501	384452.03	3770552.00	0.00466
384502.03	3770552.00	0.00436	384552.03	3770552.00	0.00411
384602.03	3770552.00	0.00388	384652.03	3770552.00	0.00367
384702.03	3770552.00	0.00348	382752.03	3770602.00	0.01760
382802.03	3770602.00	0.02012	382852.03	3770602.00	0.02318
382902.03	3770602.00	0.02691	382952.03	3770602.00	0.03147
383002.03	3770602.00	0.03704	383052.03	3770602.00	0.04382
383102.03	3770602.00	0.05206	383152.03	3770602.00	0.06200
383202.03	3770602.00	0.07390	383252.03	3770602.00	0.08801
383302.03	3770602.00	0.10455	383352.03	3770602.00	0.12377
383402.03	3770602.00	0.14588	383452.03	3770602.00	0.17083
383502.03	3770602.00	0.19725	383552.03	3770602.00	0.21930
383602.03	3770602.00	0.22522	383652.03	3770602.00	0.20819
383702.03	3770602.00	0.16544	383752.03	3770602.00	0.08438
383802.03	3770602.00	0.04027	383852.03	3770602.00	0.02898
383902.03	3770602.00	0.02257	383952.03	3770602.00	0.01833
384002.03	3770602.00	0.01530	384052.03	3770602.00	0.01302
384102.03	3770602.00	0.01123	384152.03	3770602.00	0.00979
384202.03	3770602.00	0.00862	384252.03	3770602.00	0.00767
384302.03	3770602.00	0.00690	384352.03	3770602.00	0.00628
384402.03	3770602.00	0.00576	384452.03	3770602.00	0.00533
384502.03	3770602.00	0.00496	384552.03	3770602.00	0.00463
*** AERMOD - VERSION 07026 ***	*** Echo Park Lake Rehabilitation	***	***	04/20/10	
	*** HRA - PM Diesel (Unmitigated)	***	***	11:23:25	
**MODELOPTs:	DEFAULT ELEV			PAGE	46
CONC					
*** THE ANNUAL AVERAGE CONCENTRATION	VALUES AVERAGED OVER	2 YEARS FOR SOURCE GROUP: ONSITE	***		
INCLUDING SOURCE(S):	SITE				
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
** CONC OF DPM	IN MICROGRAMS/M**3	**			
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
384602.03	3770602.00	0.00434	384652.03	3770602.00	0.00408
384702.03	3770602.00	0.00384	382752.03	3770652.00	0.01622
382802.03	3770652.00	0.01851	382852.03	3770652.00	0.02131
382902.03	3770652.00	0.02475	382952.03	3770652.00	0.02901
383002.03	3770652.00	0.03428	383052.03	3770652.00	0.04083
383102.03	3770652.00	0.04894	383152.03	3770652.00	0.05896
383202.03	3770652.00	0.07129	383252.03	3770652.00	0.08636
383302.03	3770652.00	0.10467	383352.03	3770652.00	0.12689
383402.03	3770652.00	0.15406	383452.03	3770652.00	0.18802
383502.03	3770652.00	0.23210	383552.03	3770652.00	0.28899
383602.03	3770652.00	0.34293	383652.03	3770652.00	0.37171
383702.03	3770652.00	0.38593	383802.03	3770652.00	0.09894
383852.03	3770652.00	0.05235	383902.03	3770652.00	0.03537
383952.03	3770652.00	0.02642	384002.03	3770652.00	0.02085
384052.03	3770652.00	0.01703	384102.03	3770652.00	0.01425
384152.03	3770652.00	0.01214	384202.03	3770652.00	0.01051
384252.03	3770652.00	0.00923	384302.03	3770652.00	0.00821
384352.03	3770652.00	0.00740	384402.03	3770652.00	0.00673
384452.03	3770652.00	0.00617	384502.03	3770652.00	0.00569
384552.03	3770652.00	0.00527	384602.03	3770652.00	0.00489
384652.03	3770652.00	0.00455	384702.03	3770652.00	0.00425
382752.03	3770702.00	0.01491	382802.03	3770702.00	0.01696
382852.03	3770702.00	0.01947	382902.03	3770702.00	0.02259
382952.03	3770702.00	0.02649	383002.03	3770702.00	0.03137
383052.03	3770702.00	0.03753	383102.03	3770702.00	0.04531
383152.03	3770702.00	0.05513	383202.03	3770702.00	0.06752
383252.03	3770702.00	0.08311	383302.03	3770702.00	0.10265
383352.03	3770702.00	0.12719	383402.03	3770702.00	0.15841
383452.03	3770702.00	0.19961	383502.03	3770702.00	0.25901
383552.03	3770702.00	0.36231	383802.03	3770702.00	0.20907
383852.03	3770702.00	0.09260	383902.03	3770702.00	0.05569
383952.03	3770702.00	0.03853	384002.03	3770702.00	0.02880
384052.03	3770702.00	0.02260	384102.03	3770702.00	0.01834
384152.03	3770702.00	0.01526	384202.03	3770702.00	0.01298
384252.03	3770702.00	0.01123	384302.03	3770702.00	0.00988
384352.03	3770702.00	0.00880	384402.03	3770702.00	0.00792
384452.03	3770702.00	0.00718	384502.03	3770702.00	0.00655
384552.03	3770702.00	0.00601	384602.03	3770702.00	0.00553
384652.03	3770702.00	0.00510	384702.03	3770702.00	0.00473
382752.03	3770752.00	0.01366	382802.03	3770752.00	0.01547
*** AERMOD - VERSION 07026 ***	*** Echo Park Lake Rehabilitation	***	***	04/20/10	
	*** HRA - PM Diesel (Unmitigated)	***	***	11:23:25	
**MODELOPTs:	DEFAULT ELEV			PAGE	47
CONC					
*** THE ANNUAL AVERAGE CONCENTRATION	VALUES AVERAGED OVER	2 YEARS FOR SOURCE GROUP: ONSITE	***		
INCLUDING SOURCE(S):	SITE				
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
** CONC OF DPM	IN MICROGRAMS/M**3	**			
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
382852.03	3770752.00	0.01771	382902.03	3770752.00	0.02049
382952.03	3770752.00	0.02398	383002.03	3770752.00	0.02840
383052.03	3770752.00	0.03405	383102.03	3770752.00	0.04130
383152.03	3770752.00	0.05065	383202.03	3770752.00	0.06273
383252.03	3770752.00	0.07833	383302.03	3770752.00	0.09848
383352.03	3770752.00	0.12459	383402.03	3770752.00	0.15884
383452.03	3770752.00	0.20546	383502.03	3770752.00	0.27497
383552.03	3770752.00	0.40445	383802.03	3770752.00	0.28391
383852.03	3770752.00	0.13227	383902.03	3770752.00	0.07838
383952.03	3770752.00	0.05274	384002.03	3770752.00	0.03834
384052.03	3770752.00	0.02934	384102.03	3770752.00	0.02331
384152.03	3770752.00	0.01907	384202.03	3770752.00	0.01599
384252.03	3770752.00	0.01367	384302.03	3770752.00	0.01189
384352.03	3770752.00	0.01047	384402.03	3770752.00	0.00932
384452.03	3770752.00	0.00836	384502.03	3770752.00	0.00754
384552.03	3770752.00	0.00685	384602.03	3770752.00	0.00625
384652.03	3770752.00	0.00573	384702.03	3770752.00	0.00527
382752.03	3770802.00	0.01248	382802.03	3770802.00	0.01408
382852.03	3770802.00	0.01604	382902.03	3770802.00	0.01848
382952.03	3770802.00	0.02155	383002.03	3770802.00	0.02547
383052.03	3770802.00	0.03052	383102.03	3770802.00	0.03710
383152.03	3770802.00	0.04574	383202.03	3770802.00	0.05714
383252.03	3770802.00	0.07225	383302.03	3770802.00	0.09233

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

383352.03	3770802.00	0.11916	383402.03	3770802.00	0.15544		
383452.03	3770802.00	0.20611	383502.03	3770802.00	0.28315		
383552.03	3770802.00	0.43070	383802.03	3770802.00	0.32821		
383852.03	3770802.00	0.16280	383902.03	3770802.00	0.09856		
383952.03	3770802.00	0.06655	384002.03	3770802.00	0.04815		
384052.03	3770802.00	0.03655	384102.03	3770802.00	0.02879		
384152.03	3770802.00	0.02335	384202.03	3770802.00	0.01940		
384252.03	3770802.00	0.01645	384302.03	3770802.00	0.01416		
384352.03	3770802.00	0.01235	384402.03	3770802.00	0.01088		
384452.03	3770802.00	0.00966	384502.03	3770802.00	0.00865		
384552.03	3770802.00	0.00779	384602.03	3770802.00	0.00706		
384652.03	3770802.00	0.00643	384702.03	3770802.00	0.00589		
382752.03	3770852.00	0.01139	382802.03	3770852.00	0.01278		
382852.03	3770852.00	0.01449	382902.03	3770852.00	0.01660		
382952.03	3770852.00	0.01926	383002.03	3770852.00	0.02267		
383052.03	3770852.00	0.02708	383102.03	3770852.00	0.03289		
383152.03	3770852.00	0.04063	383202.03	3770852.00	0.05104		
*** AERMOD - VERSION 07026 ***			*** Echo Park Lake Rehabilitation *** HRA - PM Diesel (Unmitigated)			***	04/20/10
MODELOPTs:						*	11:23:25
CONC							PAGE 48

*** THE ANNUAL AVERAGE CONCENTRATION INCLUDING SOURCE(S):			VALUES AVERAGED OVER SITE ,	2 YEARS FOR SOURCE GROUP: ONSITE ***		
*** DISCRETE CARTESIAN RECEPTOR POINTS ***						
		** CONC OF DPM	IN MICROGRAMS/M**3			
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC	
383252.03	3770852.00	0.06518	383302.03	3770852.00	0.08451	
383352.03	3770852.00	0.11115	383402.03	3770852.00	0.14835	
383452.03	3770852.00	0.20196	383502.03	3770852.00	0.28583	
383552.03	3770852.00	0.45188	383802.03	3770852.00	0.35537	
383852.03	3770852.00	0.18481	383902.03	3770852.00	0.11478	
383952.03	3770852.00	0.07860	384002.03	3770852.00	0.05727	
384052.03	3770852.00	0.04361	384102.03	3770852.00	0.03436	
384152.03	3770852.00	0.02782	384202.03	3770852.00	0.02303	
384252.03	3770852.00	0.01941	384302.03	3770852.00	0.01660	
384352.03	3770852.00	0.01437	384402.03	3770852.00	0.01256	
384452.03	3770852.00	0.01108	384502.03	3770852.00	0.00985	
384552.03	3770852.00	0.00883	384602.03	3770852.00	0.00796	
384652.03	3770852.00	0.00722	384702.03	3770852.00	0.00659	
382752.03	3770902.00	0.01037	382802.03	3770902.00	0.01158	
382852.03	3770902.00	0.01305	382902.03	3770902.00	0.01487	
382952.03	3770902.00	0.01715	383002.03	3770902.00	0.02006	
383052.03	3770902.00	0.02384	383102.03	3770902.00	0.02884	
383152.03	3770902.00	0.03556	383202.03	3770902.00	0.04476	
383252.03	3770902.00	0.05752	383302.03	3770902.00	0.07544	
383352.03	3770902.00	0.10093	383402.03	3770902.00	0.13783	
383452.03	3770902.00	0.19308	383502.03	3770902.00	0.28292	
383552.03	3770902.00	0.46696	383802.03	3770902.00	0.37624	
383852.03	3770902.00	0.20189	383902.03	3770902.00	0.12808	
383952.03	3770902.00	0.08902	384002.03	3770902.00	0.06555	
384052.03	3770902.00	0.05028	384102.03	3770902.00	0.03979	
384152.03	3770902.00	0.03228	384202.03	3770902.00	0.02670	
384252.03	3770902.00	0.02244	384302.03	3770902.00	0.01911	
384352.03	3770902.00	0.01646	384402.03	3770902.00	0.01433	
384452.03	3770902.00	0.01258	384502.03	3770902.00	0.01114	
384552.03	3770902.00	0.00994	384602.03	3770902.00	0.00893	
384652.03	3770902.00	0.00807	384702.03	3770902.00	0.00734	
382752.03	3770952.00	0.00941	382802.03	3770952.00	0.01046	
382852.03	3770952.00	0.01173	382902.03	3770952.00	0.01328	
382952.03	3770952.00	0.01522	383002.03	3770952.00	0.01767	
383052.03	3770952.00	0.02085	383102.03	3770952.00	0.02505	
383152.03	3770952.00	0.03073	383202.03	3770952.00	0.03858	
383252.03	3770952.00	0.04965	383302.03	3770952.00	0.06561	
383352.03	3770952.00	0.08905	383402.03	3770952.00	0.12432	
383452.03	3770952.00	0.17942	383502.03	3770952.00	0.27312	
383552.03	3770952.00	0.47345	383802.03	3770952.00	0.41477	
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***		04/20/10
		*** HRA - PM Diesel (Unmitigated)		***		11:23:25
**MODELOPTs:						PAGE 49

*** THE ANNUAL AVERAGE CONCENTRATION INCLUDING SOURCE(S):			VALUES AVERAGED OVER SITE	2 YEARS FOR SOURCE GROUP: ONSITE		***
*** DISCRETE CARTESIAN RECEPTOR POINTS ***						
		** CONC OF DPM	IN MICROGRAMS/M**3			
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC	
383852.03	3770952.00	0.22196	383902.03	3770952.00	0.14179	
383952.03	3770952.00	0.09930	384002.03	3770952.00	0.07362	
384052.03	3770952.00	0.05679	384102.03	3770952.00	0.04512	
384152.03	3770952.00	0.03666	384202.03	3770952.00	0.03032	
384252.03	3770952.00	0.02545	384302.03	3770952.00	0.02163	
384352.03	3770952.00	0.01859	384402.03	3770952.00	0.01614	
384452.03	3770952.00	0.01414	384502.03	3770952.00	0.01249	
384552.03	3770952.00	0.01111	384602.03	3770952.00	0.00996	
384652.03	3770952.00	0.00898	384702.03	3770952.00	0.00815	
382752.03	3771002.00	0.00851	382802.03	3771002.00	0.00942	
382852.03	3771002.00	0.01050	382902.03	3771002.00	0.01182	
382952.03	3771002.00	0.01345	383002.03	3771002.00	0.01550	
383052.03	3771002.00	0.01814	383102.03	3771002.00	0.02159	
383152.03	3771002.00	0.02626	383202.03	3771002.00	0.03273	
383252.03	3771002.00	0.04197	383302.03	3771002.00	0.05558	
383352.03	3771002.00	0.07620	383402.03	3771002.00	0.10847	
383452.03	3771002.00	0.16125	383502.03	3771002.00	0.25523	
383552.03	3771002.00	0.46560	383802.03	3771002.00	0.55582	
383852.03	3771002.00	0.26074	383902.03	3771002.00	0.16109	
383952.03	3771002.00	0.11169	384002.03	3771002.00	0.08254	
384052.03	3771002.00	0.06362	384102.03	3771002.00	0.05052	
384152.03	3771002.00	0.04102	384202.03	3771002.00	0.03389	
384252.03	3771002.00	0.02841	384302.03	3771002.00	0.02412	
384352.03	3771002.00	0.02071	384402.03	3771002.00	0.01795	
384452.03	3771002.00	0.01571	384502.03	3771002.00	0.01385	
384552.03	3771002.00	0.01231	384602.03	3771002.00	0.01101	
384652.03	3771002.00	0.00991	384702.03	3771002.00	0.00897	
382752.03	3771052.00	0.00767	382802.03	3771052.00	0.00844	
382852.03	3771052.00	0.00937	382902.03	3771052.00	0.01048	

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

382952.03	3771052.00	0.01184	383002.03	3771052.00	0.01353
383052.03	3771052.00	0.01568	383102.03	3771052.00	0.01848
383152.03	3771052.00	0.02222	383202.03	3771052.00	0.02739
383252.03	3771052.00	0.03482	383302.03	3771052.00	0.04590
383352.03	3771052.00	0.06314	383402.03	3771052.00	0.09119
383452.03	3771052.00	0.13929	383502.03	3771052.00	0.22950
383552.03	3771052.00	0.44029	383852.03	3771052.00	0.33501
383902.03	3771052.00	0.19053	383952.03	3771052.00	0.12810
384002.03	3771052.00	0.09321	384052.03	3771052.00	0.07117
384102.03	3771052.00	0.05615	384152.03	3771052.00	0.04540
384202.03	3771052.00	0.03740	384252.03	3771052.00	0.03131

*** AERMOD - VERSION 07026 *** *** Echo Park Lake Rehabilitation *** 04/20/10
*** HRA - PM Diesel (Unmitigated) *** 11:23:25
**MODELOPTs: PAGE 50
CONC DFAULT ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): SITE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM			IN MICROGRAMS/M**3			**		
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC			
384302.03	3771052.00	0.02655	384352.03	3771052.00	0.02277			
384402.03	3771052.00	0.01973	384452.03	3771052.00	0.01724			
384502.03	3771052.00	0.01519	384552.03	3771052.00	0.01348			
384602.03	3771052.00	0.01205	384652.03	3771052.00	0.01083			
384702.03	3771052.00	0.00979	382752.03	3771102.00	0.00687			
382802.03	3771102.00	0.00752	382852.03	3771102.00	0.00830			
382902.03	3771102.00	0.00923	382952.03	3771102.00	0.01036			
383002.03	3771102.00	0.01174	383052.03	3771102.00	0.01347			
383102.03	3771102.00	0.01570	383152.03	3771102.00	0.01864			
383202.03	3771102.00	0.02268	383252.03	3771102.00	0.02843			
383302.03	3771102.00	0.03705	383352.03	3771102.00	0.05070			
383402.03	3771102.00	0.07362	383452.03	3771102.00	0.11484			
383502.03	3771102.00	0.19662	383552.03	3771102.00	0.39886			
383852.03	3771102.00	0.47332	383902.03	3771102.00	0.23354			
383952.03	3771102.00	0.14917	384002.03	3771102.00	0.10559			
384052.03	3771102.00	0.07924	384102.03	3771102.00	0.06183			
384152.03	3771102.00	0.04965	384202.03	3771102.00	0.04074			
384252.03	3771102.00	0.03401	384302.03	3771102.00	0.02880			
384352.03	3771102.00	0.02468	384402.03	3771102.00	0.02136			
384452.03	3771102.00	0.01866	384502.03	3771102.00	0.01644			
384552.03	3771102.00	0.01458	384602.03	3771102.00	0.01302			
384652.03	3771102.00	0.01169	384702.03	3771102.00	0.01056			
382752.03	3771152.00	0.00612	382802.03	3771152.00	0.00667			
382852.03	3771152.00	0.00731	382902.03	3771152.00	0.00808			
382952.03	3771152.00	0.00899	383002.03	3771152.00	0.01011			
383052.03	3771152.00	0.01149	383102.03	3771152.00	0.01324			
383152.03	3771152.00	0.01552	383202.03	3771152.00	0.01860			
383252.03	3771152.00	0.02294	383302.03	3771152.00	0.02938			
383352.03	3771152.00	0.03958	383402.03	3771152.00	0.05704			
383452.03	3771152.00	0.08980	383502.03	3771152.00	0.15871			
383552.03	3771152.00	0.33775	383902.03	3771152.00	0.29198			
383952.03	3771152.00	0.17164	384002.03	3771152.00	0.11721			
384052.03	3771152.00	0.08635	384102.03	3771152.00	0.06669			
384152.03	3771152.00	0.05322	384202.03	3771152.00	0.04352			
384252.03	3771152.00	0.03626	384302.03	3771152.00	0.03068			
384352.03	3771152.00	0.02628	384402.03	3771152.00	0.02275			
384452.03	3771152.00	0.01988	384502.03	3771152.00	0.01751			
384552.03	3771152.00	0.01553	384602.03	3771152.00	0.01387			
384652.03	3771152.00	0.01246	384702.03	3771152.00	0.01126			
382752.03	3771202.00	0.00543	382802.03	3771202.00	0.00588			

*** AERMOD - VERSION 07026 *** *** Echo Park Lake Rehabilitation *** 04/20/10
*** HRA - PM Diesel (Unmitigated) *** 11:23:25
**MODELOPTs: PAGE 51
CONC DFAULT ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): SITE ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM			IN MICROGRAMS/M**3			**		
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC			
382852.03	3771202.00	0.00641	382902.03	3771202.00	0.00703			
382952.03	3771202.00	0.00776	383002.03	3771202.00	0.00864			
383052.03	3771202.00	0.00973	383102.03	3771202.00	0.01109			
383152.03	3771202.00	0.01283	383202.03	3771202.00	0.01516			
383252.03	3771202.00	0.01837	383302.03	3771202.00	0.02304			
383352.03	3771202.00	0.03032	383402.03	3771202.00	0.04271			
383452.03	3771202.00	0.06643	383502.03	3771202.00	0.11942			
383552.03	3771202.00	0.26714	383852.03	3771202.00	0.68474			
383902.03	3771202.00	0.30855	383952.03	3771202.00	0.17932			
384002.03	3771202.00	0.12193	384052.03	3771202.00	0.08968			
384102.03	3771202.00	0.06922	384152.03	3771202.00	0.05525			
384202.03	3771202.00	0.04521	384252.03	3771202.00	0.03772			
384302.03	3771202.00	0.03195	384352.03	3771202.00	0.02741			
384402.03	3771202.00	0.02376	384452.03	3771202.00	0.02079			
384502.03	3771202.00	0.01834	384552.03	3771202.00	0.01629			
384602.03	3771202.00	0.01456	384652.03	3771202.00	0.01309			
384702.03	3771202.00	0.01183	382752.03	3771252.00	0.00480			
382802.03	3771252.00	0.00517	382852.03	3771252.00	0.00560			
382902.03	3771252.00	0.00609	382952.03	3771252.00	0.00667			
383002.03	3771252.00	0.00736	383052.03	3771252.00	0.00821			
383102.03	3771252.00	0.00925	383152.03	3771252.00	0.01057			
383202.03	3771252.00	0.01231	383252.03	3771252.00	0.01467			
383302.03	3771252.00	0.01803	383352.03	3771252.00	0.02311			
383402.03	3771252.00	0.03151	383452.03	3771252.00	0.04717			
383502.03	3771252.00	0.08251	383552.03	3771252.00	0.19114			
383752.03	3771252.00	0.84992	383802.03	3771252.00	0.60720			
383852.03	3771252.00	0.39373	383902.03	3771252.00	0.24643			
383952.03	3771252.00	0.16263	384002.03	3771252.00	0.11586			
384052.03	3771252.00	0.08726	384102.03	3771252.00	0.06834			
384152.03	3771252.00	0.05509	384202.03	3771252.00	0.04540			
384252.03	3771252.00	0.03809	384302.03	3771252.00	0.03242			
384352.03	3771252.00	0.02792	384402.03	3771252.00	0.02429			
384452.03	3771252.00	0.02132	384502.03	3771252.00	0.01886			
384552.03	3771252.00	0.01679	384602.03	3771252.00	0.01504			
384652.03	3771252.00	0.01355	384702.03	3771252.00	0.01227			

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

382752.03	3771302.00	0.00426	382802.03	3771302.00	0.00455
382852.03	3771302.00	0.00489	382902.03	3771302.00	0.00528
382952.03	3771302.00	0.00574	383002.03	3771302.00	0.00628
383052.03	3771302.00	0.00693	383102.03	3771302.00	0.00773
383152.03	3771302.00	0.00873	383202.03	3771302.00	0.01003
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	04/20/10
		*** HRA - PM Diesel (Unmitigated)		***	11:23:25
**MODELOPTs: PAGE 52					
CONC DFAULT ELEV					
*** THE ANNUAL AVERAGE CONCENTRATION INCLUDING SOURCE(S):		VALUES AVERAGED OVER SITE ,	2 YEARS FOR SOURCE GROUP: ONSITE		***
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
** CONC OF DPM		IN MICROGRAMS/M**3		**	
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
383252.03	3771302.00	0.01177	383302.03	3771302.00	0.01421
383352.03	3771302.00	0.01781	383402.03	3771302.00	0.02355
383452.03	3771302.00	0.03373	383502.03	3771302.00	0.05475
383552.03	3771302.00	0.11283	383702.03	3771302.00	0.54555
383752.03	3771302.00	0.42902	383802.03	3771302.00	0.34192
383852.03	3771302.00	0.26825	383902.03	3771302.00	0.15148
383952.03	3771302.00	0.13597	384002.03	3771302.00	0.10249
384052.03	3771302.00	0.07998	384102.03	3771302.00	0.06419
384152.03	3771302.00	0.05266	384202.03	3771302.00	0.04399
384252.03	3771302.00	0.03729	384302.03	3771302.00	0.03200
384352.03	3771302.00	0.02775	384402.03	3771302.00	0.02429
384452.03	3771302.00	0.02143	384502.03	3771302.00	0.01903
384552.03	3771302.00	0.01701	384602.03	3771302.00	0.01529
384652.03	3771302.00	0.01382	384702.03	3771302.00	0.01254
382752.03	3771352.00	0.00378	382802.03	3771352.00	0.00402
382852.03	3771352.00	0.00429	382902.03	3771352.00	0.00460
382952.03	3771352.00	0.00496	383002.03	3771352.00	0.00539
383052.03	3771352.00	0.00589	383102.03	3771352.00	0.00651
383152.03	3771352.00	0.00728	383202.03	3771352.00	0.00827
383252.03	3771352.00	0.00958	383302.03	3771352.00	0.01140
383352.03	3771352.00	0.01407	383402.03	3771352.00	0.01827
383452.03	3771352.00	0.02547	383502.03	3771352.00	0.03941
383552.03	3771352.00	0.07241	383602.03	3771352.00	0.18683
383652.03	3771352.00	0.33334	383702.03	3771352.00	0.29211
383752.03	3771352.00	0.25787	383802.03	3771352.00	0.22204
383852.03	3771352.00	0.18138	383902.03	3771352.00	0.14215
383952.03	3771352.00	0.11044	384002.03	3771352.00	0.08717
384052.03	3771352.00	0.07037	384102.03	3771352.00	0.05797
384152.03	3771352.00	0.04856	384202.03	3771352.00	0.04124
384252.03	3771352.00	0.03544	384302.03	3771352.00	0.03076
384352.03	3771352.00	0.02693	384402.03	3771352.00	0.02376
384452.03	3771352.00	0.02110	384502.03	3771352.00	0.01885
384552.03	3771352.00	0.01694	384602.03	3771352.00	0.01530
384652.03	3771352.00	0.01388	384702.03	3771352.00	0.01264
382752.03	3771402.00	0.00338	382802.03	3771402.00	0.00357
382852.03	3771402.00	0.00379	382902.03	3771402.00	0.00404
382952.03	3771402.00	0.00432	383002.03	3771402.00	0.00466
383052.03	3771402.00	0.00506	383102.03	3771402.00	0.00555
383152.03	3771402.00	0.00615	383202.03	377140	

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

MODELOPTs:		* HRA - PM Diesel (Unmitigated)			***		11:23:25
CONC		DEFAULT ELEV					PAGE 54
*** THE ANNUAL AVERAGE CONCENTRATION INCLUDING SOURCE(S):		VALUES AVERAGED OVER SITE ,		2 YEARS FOR SOURCE GROUP: ONSITE		***	
*** DISCRETE CARTESIAN RECEPTOR POINTS ***							
** CONC OF DPM		IN MICROGRAMS/M**3				**	
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC		
383352.03	3771502.00	0.00874	383402.03	3771502.00	0.01146		
383452.03	3771502.00	0.01599	383502.03	3771502.00	0.02377		
383552.03	3771502.00	0.03666	383602.03	3771502.00	0.05469		
383652.03	3771502.00	0.07280	383702.03	3771502.00	0.08471		
383752.03	3771502.00	0.08875	383802.03	3771502.00	0.08621		
383852.03	3771502.00	0.07909	383902.03	3771502.00	0.06967		
383952.03	3771502.00	0.06001	384002.03	3771502.00	0.05141		
384052.03	3771502.00	0.04427	384102.03	3771502.00	0.03852		
384152.03	3771502.00	0.03388	384202.03	3771502.00	0.03008		
384252.03	3771502.00	0.02691	384302.03	3771502.00	0.02423		
384352.03	3771502.00	0.02192	384402.03	3771502.00	0.01991		
384452.03	3771502.00	0.01815	384502.03	3771502.00	0.01661		
384552.03	3771502.00	0.01523	384602.03	3771502.00	0.01401		
384652.03	3771502.00	0.01293	384702.03	3771502.00	0.01195		
382752.03	3771552.00	0.00249	382802.03	3771552.00	0.00259		
382852.03	3771552.00	0.00271	382902.03	3771552.00	0.00284		
382952.03	3771552.00	0.00300	383002.03	3771552.00	0.00319		
383052.03	3771552.00	0.00342	383102.03	3771552.00	0.00371		
383152.03	3771552.00	0.00409	383202.03	3771552.00	0.00460		
383252.03	3771552.00	0.00533	383302.03	3771552.00	0.00639		
383352.03	3771552.00	0.00800	383402.03	3771552.00	0.01053		
383452.03	3771552.00	0.01459	383502.03	3771552.00	0.02108		
383552.03	3771552.00	0.03084	383602.03	3771552.00	0.04343		
383652.03	3771552.00	0.05602	383702.03	3771552.00	0.06511		
383752.03	3771552.00	0.06909	383802.03	3771552.00	0.06826		
383852.03	3771552.00	0.06384	383902.03	3771552.00	0.05738		
383952.03	3771552.00	0.05036	384002.03	3771552.00	0.04381		
384052.03	3771552.00	0.03819	384102.03	3771552.00	0.03356		
384152.03	3771552.00	0.02979	384202.03	3771552.00	0.02668		
384252.03	3771552.00	0.02409	384302.03	3771552.00	0.02189		
384352.03	3771552.00	0.01998	384402.03	3771552.00	0.01832		
384452.03	3771552.00	0.01684	384502.03	3771552.00	0.01553		
384552.03	3771552.00	0.01435	384602.03	3771552.00	0.01329		
384652.03	3771552.00	0.01234	384702.03	3771552.00	0.01147		
382752.03	3771602.00	0.00226	382802.03	3771602.00	0.00235		
382852.03	3771602.00	0.00244	382902.03	3771602.00	0.00256		
382952.03	3771602.00	0.00269	383002.03	3771602.00	0.00286		
383052.03	3771602.00	0.00307	383102.03	3771602.00	0.00334		
383152.03	3771602.00	0.00370	383202.03	3771602.00	0.00420		
383252.03	3771602.00	0.00490	383302.03	3771602.00	0.00593		
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation			***		04/20/10
		*** HRA - PM Diesel (Unmitigated)			***		11:23:25
**MODELOPTs:		DEFAULT ELEV					PAGE 55
CONC							
*** THE ANNUAL AVERAGE CONCENTRATION INCLUDING SOURCE(S):		VALUES AVERAGED OVER SITE ,		2 YEARS FOR SOURCE GROUP: ONSITE		***	
*** DISCRETE CARTESIAN RECEPTOR POINTS ***							
** CONC OF DPM		IN MICROGRAMS/M**3				**	
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC		
383352.03	3771602.00	0.00747	383402.03	3771602.00	0.00982		
383452.03	3771602.00	0.01342	383502.03	3771602.00	0.01883		
383552.03	3771602.00	0.02643	383602.03	3771602.00	0.03573		
383652.03	3771602.00	0.04499	383702.03	3771602.00	0.05204		
383752.03	3771602.00	0.05562	383802.03	3771602.00	0.05565		
383852.03	3771602.00	0.05283	383902.03	3771602.00	0.04824		
383952.03	3771602.00	0.04299	384002.03	3771602.00	0.03786		
384052.03	3771602.00	0.03332	384102.03	3771602.00	0.02949		
384152.03	3771602.00	0.02633	384202.03	3771602.00	0.02373		
384252.03	3771602.00	0.02157	384302.03	3771602.00	0.01973		
384352.03	3771602.00	0.01814	384402.03	3771602.00	0.01675		
384452.03	3771602.00	0.01552	384502.03	3771602.00	0.01441		
384552.03	3771602.00	0.01341	384602.03	3771602.00	0.01255		
384652.03	3771602.00	0.01167	384702.03	3771602.00	0.01092		
382752.03	3771652.00	0.00206	382802.03	3771652.00	0.00213		
382852.03	3771652.00	0.00222	382902.03	3771652.00	0.00232		
382952.03	3771652.00	0.00244	383002.03	3771652.00	0.00259		
383052.03	3771652.00	0.00279	383102.03	3771652.00	0.00306		
383152.03	3771652.00	0.00341	383202.03	3771652.00	0.00391		
383252.03	3771652.00	0.00460	383302.03	3771652.00	0.00560		
383352.03	3771652.00	0.00706	383402.03	3771652.00	0.00922		
383452.03	3771652.00	0.01240	383502.03	3771652.00	0.01695		
383552.03	3771652.00	0.02300	383602.03	3771652.00	0.03015		
383652.03	3771652.00	0.03724	383702.03	3771652.00	0.04283		
383752.03	3771652.00	0.04596	383802.03	3771652.00	0.04642		
383852.03	3771652.00	0.04462	383902.03	3771652.00	0.04129		
383952.03	3771652.00	0.03726	384002.03	3771652.00	0.03317		
384052.03	3771652.00	0.02942	384102.03	3771652.00	0.02618		
384152.03	3771652.00	0.02348	384202.03	3771652.00	0.02124		
384252.03	3771652.00	0.01938	384302.03	3771652.00	0.01781		
384352.03	3771652.00	0.01647	384402.03	3771652.00	0.01529		
384452.03	3771652.00	0.01425	384502.03	3771652.00	0.01331		
384552.03	3771652.00	0.01247	384602.03	3771652.00	0.01169		
384652.03	3771652.00	0.01098	384702.03	3771652.00	0.01032		
382752.03	3771702.00	0.00188	382802.03	3771702.00	0.00195		
382852.03	3771702.00	0.00202	382902.03	3771702.00	0.00211		
382952.03	3771702.00	0.00223	383002.03	3771702.00	0.00238		
383052.03	3771702.00	0.00258	383102.03	3771702.00	0.00285		
383152.03	3771702.00	0.00321	383202.03	3771702.00	0.00370		
383252.03	3771702.00	0.00438	383302.03	3771702.00	0.00535		
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation			***		04/20/10
		*** HRA - PM Diesel (Unmitigated)			***		11:23:25
**MODELOPTs:		DEFAULT ELEV					PAGE 56
CONC							
*** THE ANNUAL AVERAGE CONCENTRATION INCLUDING SOURCE(S):		VALUES AVERAGED OVER SITE ,		2 YEARS FOR SOURCE GROUP: ONSITE		***	

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

*** DISCRETE CARTESIAN RECEPTOR POINTS ***						
** CONC OF DPM			IN MICROGRAMS/M**3			**
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC	
383352.03	3771702.00	0.00672	383402.03	3771702.00	0.00870	
383452.03	3771702.00	0.01150	383502.03	3771702.00	0.01535	
383552.03	3771702.00	0.02028	383602.03	3771702.00	0.02594	
383652.03	3771702.00	0.03153	383702.03	3771702.00	0.03605	
383752.03	3771702.00	0.03877	383802.03	3771702.00	0.03945	
383852.03	3771702.00	0.03831	383902.03	3771702.00	0.03588	
383952.03	3771702.00	0.03274	384002.03	3771702.00	0.02942	
384052.03	3771702.00	0.02628	384102.03	3771702.00	0.02351	
384152.03	3771702.00	0.02114	384202.03	3771702.00	0.01917	
384252.03	3771702.00	0.01753	384302.03	3771702.00	0.01615	
384352.03	3771702.00	0.01499	384402.03	3771702.00	0.01397	
384452.03	3771702.00	0.01308	384502.03	3771702.00	0.01228	
384552.03	3771702.00	0.01156	384602.03	3771702.00	0.01089	
384652.03	3771702.00	0.01028	384702.03	3771702.00	0.00972	
382752.03	3771752.00	0.00173	382802.03	3771752.00	0.00179	
382852.03	3771752.00	0.00186	382902.03	3771752.00	0.00195	
382952.03	3771752.00	0.00207	383002.03	3771752.00	0.00223	
383052.03	3771752.00	0.00243	383102.03	3771752.00	0.00270	
383152.03	3771752.00	0.00306	383202.03	3771752.00	0.00355	
383252.03	3771752.00	0.00422	383302.03	3771752.00	0.00514	
383352.03	3771752.00	0.00643	383402.03	3771752.00	0.00823	
383452.03	3771752.00	0.01071	383502.03	3771752.00	0.01399	
383552.03	3771752.00	0.01807	383602.03	3771752.00	0.02266	
383652.03	3771752.00	0.02718	383702.03	3771752.00	0.03090	
383752.03	3771752.00	0.03327	383802.03	3771752.00	0.03405	
383852.03	3771752.00	0.03336	383902.03	3771752.00	0.03156	
383952.03	3771752.00	0.02910	384002.03	3771752.00	0.02638	
384052.03	3771752.00	0.02373	384102.03	3771752.00	0.02132	
384152.03	3771752.00	0.01923	384202.03	3771752.00	0.01746	
384252.03	3771752.00	0.01598	384302.03	3771752.00	0.01475	
384352.03	3771752.00	0.01370	384402.03	3771752.00	0.01281	
384452.03	3771752.00	0.01203	384502.03	3771752.00	0.01133	
384552.03	3771752.00	0.01071	384602.03	3771752.00	0.01013	
384652.03	3771752.00	0.00961	384702.03	3771752.00	0.00912	
382752.03	3771802.00	0.00160	382802.03	3771802.00	0.00165	
382852.03	3771802.00	0.00173	382902.03	3771802.00	0.00182	
382952.03	3771802.00	0.00195	383002.03	3771802.00	0.00211	
383052.03	3771802.00	0.00232	383102.03	3771802.00	0.00259	
383152.03	3771802.00	0.00295	383202.03	3771802.00	0.00343	
383252.03	3771802.00	0.00408	383302.03	3771802.00	0.00495	
*** AERMOD - VERSION 07026 ***	*** Echo Park Lake Rehabilitation			***	04/20/10	
	*** HRA - PM Diesel (Unmitigated)			***	11:23:25	
**MODELOPTs:	DFAULT ELEV				PAGE	57
CONC	*** THE ANNUAL AVERAGE CONCENTRATION			VALUES AVERAGED OVER	2 YEARS FOR SOURCE GROUP: ONSITE	***
	INCLUDING SOURCE(S):			SITE ,		

*** DISCRETE CARTESIAN RECEPTOR POINTS ***						
** CONC OF DPM			IN MICROGRAMS/M**3			**
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC	
383352.03	3771802.00	0.00616	383402.03	3771802.00	0.00780	
383452.03	3771802.00	0.01000	383502.03	3771802.00	0.01283	
383552.03	3771802.00	0.01626	383602.03	3771802.00	0.02006	
383652.03	3771802.00	0.02378	383702.03	3771802.00	0.02689	
383752.03	3771802.00	0.02895	383802.03	3771802.00	0.02977	
383852.03	3771802.00	0.02939	383902.03	3771802.00	0.02806	
383952.03	3771802.00	0.02611	384002.03	3771802.00	0.02388	
384052.03	3771802.00	0.02162	384102.03	3771802.00	0.01952	
384152.03	3771802.00	0.01765	384202.03	3771802.00	0.01605	
384252.03	3771802.00	0.01469	384302.03	3771802.00	0.01356	
384352.03	3771802.00	0.01261	384402.03	3771802.00	0.01180	
384452.03	3771802.00	0.01110	384502.03	3771802.00	0.01048	
384552.03	3771802.00	0.00993	384602.03	3771802.00	0.00943	
384652.03	3771802.00	0.00897	384702.03	3771802.00	0.00855	
382752.03	3771852.00	0.00149	382802.03	3771852.00	0.00155	
382852.03	3771852.00	0.00163	382902.03	3771852.00	0.00173	
382952.03	3771852.00	0.00186	383002.03	3771852.00	0.00202	
383052.03	3771852.00	0.00223	383102.03	3771852.00	0.00251	
383152.03	3771852.00	0.00287	383202.03	3771852.00	0.00333	
383252.03	3771852.00	0.00395	383302.03	3771852.00	0.00479	
383352.03	3771852.00	0.00591	383402.03	3771852.00	0.00741	
383452.03	3771852.00	0.00937	383502.03	3771852.00	0.01183	
383552.03	3771852.00	0.01475	383602.03	3771852.00	0.01794	
383652.03	3771852.00	0.02105	383702.03	3771852.00	0.02369	
383752.03	3771852.00	0.02550	383802.03	3771852.00	0.02632	
383852.03	3771852.00	0.02615	383902.03	3771852.00	0.02517	
383952.03	3771852.00	0.02363	384002.03	3771852.00	0.02178	
384052.03	3771852.00	0.01985	384102.03	3771852.00	0.01801	
384152.03	3771852.00	0.01633	384202.03	3771852.00	0.01487	
384252.03	3771852.00	0.01362	384302.03	3771852.00	0.01257	
384352.03	3771852.00	0.01168	384402.03	3771852.00	0.01093	
384452.03	3771852.00	0.01029	384502.03	3771852.00	0.00973	
384552.03	3771852.00	0.00923	384602.03	3771852.00	0.00879	
384652.03	3771852.00	0.00838	384702.03	3771852.00	0.00801	
382752.03	3771902.00	0.00140	382802.03	3771902.00	0.00146	
382852.03	3771902.00	0.00155	382902.03	3771902.00	0.00165	
382952.03	3771902.00	0.00179	383002.03	3771902.00	0.00196	
383052.03	3771902.00	0.00217	383102.03	3771902.00	0.00245	
383152.03	3771902.00	0.00280	383202.03	3771902.00	0.00325	
383252.03	3771902.00	0.00385	383302.03	3771902.00	0.00464	
*** AERMOD - VERSION 07026 ***	*** Echo Park Lake Rehabilitation			***	04/20/10	
	*** HRA - PM Diesel (Unmitigated)			***	11:23:25	
**MODELOPTs:	DFAULT ELEV				PAGE	58
CONC	*** THE ANNUAL AVERAGE CONCENTRATION			VALUES AVERAGED OVER	2 YEARS FOR SOURCE GROUP: ONSITE	***
	INCLUDING SOURCE(S):			SITE ,		

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

383352.03	3771902.00	0.00568	383402.03	3771902.00	0.00706
383452.03	3771902.00	0.00881	383502.03	3771902.00	0.01097
383552.03	3771902.00	0.01348	383602.03	3771902.00	0.01619
383652.03	3771902.00	0.01884	383702.03	3771902.00	0.02110
383752.03	3771902.00	0.02270	383802.03	3771902.00	0.02350
383852.03	3771902.00	0.02348	383902.03	3771902.00	0.02276
383952.03	3771902.00	0.02153	384002.03	3771902.00	0.02000
384052.03	3771902.00	0.01835	384102.03	3771902.00	0.01673
384152.03	3771902.00	0.01522	384202.03	3771902.00	0.01389
384252.03	3771902.00	0.01273	384302.03	3771902.00	0.01174
384352.03	3771902.00	0.01090	384402.03	3771902.00	0.01019
384452.03	3771902.00	0.00959	384502.03	3771902.00	0.00907
384552.03	3771902.00	0.00862	384602.03	3771902.00	0.00822
384652.03	3771902.00	0.00785	384702.03	3771902.00	0.00752
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	04/20/10
		*** HRA - PM Diesel (Unmitigated)		***	11:23:25
**MODELOPTs:				PAGE 59	
CONC		DFAULT ELEV			
*** THE ANNUAL AVERAGE CONCENTRATION		VALUES AVERAGED OVER		2 YEARS FOR SOURCE GROUP: HAULIDLE ***	
INCLUDING SOURCE(S):		HAULIDLE,			
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
** CONC OF DPM		IN MICROGRAMS/M**3		**	
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
383660.97	3771329.50	0.00029	383792.56	3770989.25	0.00028
383667.38	3770537.25	0.00001	382752.03	3769952.00	0.00000
382802.03	3769952.00	0.00000	382852.03	3769952.00	0.00000
382902.03	3769952.00	0.00000	382952.03	3769952.00	0.00000
383002.03	3769952.00	0.00000	383052.03	3769952.00	0.00000
383102.03	3769952.00	0.00000	383152.03	3769952.00	0.00000
383202.03	3769952.00	0.00000	383252.03	3769952.00	0.00000
383302.03	3769952.00	0.00000	383352.03	3769952.00	0.00000
383402.03	3769952.00	0.00000	383452.03	3769952.00	0.00000
383502.03	3769952.00	0.00000	383552.03	3769952.00	0.00000
383602.03	3769952.00	0.00000	383652.03	3769952.00	0.00000
383702.03	3769952.00	0.00000	383752.03	3769952.00	0.00000
383802.03	3769952.00	0.00000	383852.03	3769952.00	0.00000
383902.03	3769952.00	0.00000	383952.03	3769952.00	0.00000
384002.03	3769952.00	0.00000	384052.03	3769952.00	0.00000
384102.03	3769952.00	0.00000	384152.03	3769952.00	0.00000
384202.03	3769952.00	0.00000	384252.03	3769952.00	0.00000
384302.03	3769952.00	0.00000	384352.03	3769952.00	0.00000
384402.03	3769952.00	0.00000	384452.03	3769952.00	0.00000
384502.03	3769952.00	0.00000	384552.03	3769952.00	0.00000
384602.03	3769952.00	0.00000	384652.03	3769952.00	0.00000
384702.03	3769952.00	0.00000	382752.03	3770002.00	0.00000
382802.03	3770002.00	0.00000	382852.03	3770002.00	0.00000
382902.03	3770002.00	0.00000	382952.03	3770002.00	0.00000
383002.03	3770002.00	0.00000	383052.03	3770002.00	0.00000
383102.03	3770002.00	0.00000	383152.03	3770002.00	0.00000
383202.03	3770002.00	0.00000	383252.03	3770002.00	0.00000
383302.03	3770002.00	0.00000	383352.03	3770002.00	0.00000
383402.03	3770002.00	0.00000	383452.03	3770002.00	0.00000
383502.03	3770002.00	0.00000	383552.03	3770002.00	0.00000
383602.03	3770002.00	0.00000	383652.03	3770002.00	0.00000
383702.03	3770002.00	0.00000	383752.03	3770002.00	0.00000
383802.03	3770002.00	0.00000	383852.03	3770002.00	0.00000
383902.03	3770002.00	0.00000	383952.03	3770002.00	0.00000
384002.03	3770002.00	0.00000	384052.03	3770002.00	0.00000
384102.03	3770002.00	0.00000	384152.03	3770002.00	0.00000
384202.03	3770002.00	0.00000	384252.03	3770002.00	0.00000
384302.03	3770002.00	0.00000	384352.03	3770002.00	0.00000
384402.03	3770002.00	0.00000	384452.03	3770002.00	0.00000
384502.03	3770002.00	0.00000	384552.03	3770002.00	0.00000
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	04/20/10
		*** HRA - PM Diesel (Unmitigated)		***	11:23:25
**MODELOPTs:				PAGE 60	
CONC		DFAULT ELEV			
*** THE ANNUAL AVERAGE CONCENTRATION		VALUES AVERAGED OVER		2 YEARS FOR SOURCE GROUP: HAULIDLE ***	
INCLUDING SOURCE(S):		HAULIDLE,			
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
** CONC OF DPM		IN MICROGRAMS/M**3		**	
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
384602.03	3770002.00	0.00000	384652.03	3770002.00	0.00000
384702.03	3770002.00	0.00000	382752.03	3770052.00	0.00000
382802.03	3770052.00	0.00000	382852.03	3770052.00	0.00000
382902.03	3770052.00	0.00000	382952.03	3770052.00	0.00000
383002.03	3770052.00	0.00000	383052.03	3770052.00	0.00000
383102.03	3770052.00	0.00000	383152.03	3770052.00	0.00000
383202.03	3770052.00	0.00000	383252.03	3770052.00	0.00000
383302.03	3770052.00	0.00000	383352.03	3770052.00	0.00000
383402.03	3770052.00	0.00000	383452.03	3770052.00	0.00000
383502.03	3770052.00	0.00000	383552.03	3770052.00	0.00000
383602.03	3770052.00	0.00000	383652.03	3770052.00	0.00000
383702.03	3770052.00	0.00000	383752.03	3770052.00	0.00000
383802.03	3770052.00	0.00000	383852.03	3770052.00	0.00000
383902.03	3770052.00	0.00000	383952.03	3770052.00	0.00000
384002.03	3770052.00	0.00000	384052.03	3770052.00	0.00000
384102.03	3770052.00	0.00000	384152.03	3770052.00	0.00000
384202.03	3770052.00	0.00000	384252.03	3770052.00	0.00000
384302.03	3770052.00	0.00000	384352.03	3770052.00	0.00000
384402.03	3770052.00	0.00000	384452.03	3770052.00	0.00000
384502.03	3770052.00	0.00000	384552.03	3770052.00	0.00000
384602.03	3770052.00	0.00000	384652.03	3770052.00	0.00000
384702.03	3770052.00	0.00000	382752.03	3770102.00	0.00000
382802.03	3770102.00	0.00000	382852.03	3770102.00	0.00000
382902.03	3770102.00	0.00000	382952.03	3770102.00	0.00000
383002.03	3770102.00	0.00000	383052.03	3770102.00	0.00000
383102.03	3770102.00	0.00000	383152.03	3770102.00	0.00000
383202.03	3770102.00	0.00000	383252.03	3770102.00	0.00000
383302.03	3770102.00	0.00000	383352.03	3770102.00	0.00000
383402.03	3770102.00	0.00000	383452.03	3770102.00	0.00000
383502.03	3770102.00	0.00000	383552.03	3770102.00	0.00000
383602.03	3770102.00	0.00000	383652.03	3770102.00	0.00000

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

383702.03	3770102.00	0.00000	383752.03	3770102.00	0.00000
383802.03	3770102.00	0.00000	383852.03	3770102.00	0.00000
383902.03	3770102.00	0.00000	383952.03	3770102.00	0.00000
384002.03	3770102.00	0.00000	384052.03	3770102.00	0.00000
384102.03	3770102.00	0.00000	384152.03	3770102.00	0.00000
384202.03	3770102.00	0.00000	384252.03	3770102.00	0.00000
384302.03	3770102.00	0.00000	384352.03	3770102.00	0.00000
384402.03	3770102.00	0.00000	384452.03	3770102.00	0.00000
384502.03	3770102.00	0.00000	384552.03	3770102.00	0.00000
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	
		*** HRA - PM Diesel (Unmitigated)		04/20/10	
**MODELOPTs:				11:23:25	
CONC				PAGE 61	
DFAULT ELEV					
*** THE ANNUAL AVERAGE CONCENTRATION		VALUES AVERAGED OVER		2 YEARS FOR SOURCE GROUP: HAULIDLE ***	
INCLUDING SOURCE(S):		HAULIDLE,			
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
** CONC OF DPM		IN MICROGRAMS/M**3		**	
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
384602.03	3770102.00	0.00000	384652.03	3770102.00	0.00000
384702.03	3770102.00	0.00000	382752.03	3770152.00	0.00000
382802.03	3770152.00	0.00000	382852.03	3770152.00	0.00000
382902.03	3770152.00	0.00000	382952.03	3770152.00	0.00000
383002.03	3770152.00	0.00000	383052.03	3770152.00	0.00000
383102.03	3770152.00	0.00000	383152.03	3770152.00	0.00000
383202.03	3770152.00	0.00000	383252.03	3770152.00	0.00000
383302.03	3770152.00	0.00000	383352.03	3770152.00	0.00000
383402.03	3770152.00	0.00000	383452.03	3770152.00	0.00000
383502.03	3770152.00	0.00000	383552.03	3770152.00	0.00000
383602.03	3770152.00	0.00000	383652.03	3770152.00	0.00000
383702.03	3770152.00	0.00000	383752.03	3770152.00	0.00000
383802.03	3770152.00	0.00000	383852.03	3770152.00	0.00000
383902.03	3770152.00	0.00000	383952.03	3770152.00	0.00000
384002.03	3770152.00	0.00000	384052.03	3770152.00	0.00000
384102.03	3770152.00	0.00000	384152.03	3770152.00	0.00000
384202.03	3770152.00	0.00000	384252.03	3770152.00	0.00000
384302.03	3770152.00	0.00000	384352.03	3770152.00	0.00000
384402.03	3770152.00	0.00000	384452.03	3770152.00	0.00000
384502.03	3770152.00	0.00000	384552.03	3770152.00	0.00000
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	
		*** HRA - PM Diesel (Unmitigated)		04/20/10	
**MODELOPTs:				11:23:25	
CONC				PAGE 62	
DFAULT ELEV					
*** THE ANNUAL AVERAGE CONCENTRATION		VALUES AVERAGED OVER		2 YEARS FOR SOURCE GROUP: HAULIDLE ***	
INCLUDING SOURCE(S):		HAULIDLE,			
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
** CONC OF DPM		IN MICROGRAMS/M**3		**	
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
384602.03	3770202.00	0.00000	384652.03	3770202.00	0.00000
384702.03	3770202.00	0.00000	382752.03	3770252.00	0.00000
382802.03	3770252.00	0.00000	382852.03	3770252.00	0.00000
382902.03	3770252.00	0.00000	382952.03	3770252.00	0.00000
383002.03	3770252.00	0.00000	383052.03	3770252.00	0.00001
383102.03	3770252.00	0.00001	383152.03	3770252.00	0.00001
383202.03	3770252.00	0.00001	383252.03	3770252.00	0.00001
383302.03	3770252.00	0.00001	383352.03	3770252.00	0.00000
383402.03	3770252.00	0.00000	383452.03	3770252.00	0.00000
383502.03	3770252.00	0.00000	383552.03	3770252.00	0.00000
383602.03	3770252.00	0.00000	383652.03	3770252.00	0.00000
383702.03	3770252.00	0.00000	383752.03	3770252.00	0.00000
383802.03	3770252.00	0.00000	383852.03	3770252.00	0.00000
383902.03	3770252.00	0.00000	383952.03	3770252.00	0.00000
384002.03	3770252.00	0.00000	384052.03	3770252.00	0.00000
384102.03	3770252.00	0.00000	384152.03	3770252.00	0.00000
384202.03	3770252.00	0.00000	384252.03	3770252.00	0.00000
384302.03	3770252.00	0.00000	384352.03	3770252.00	0.00000
384402.03	3770252.00	0.00000	384452.03	3770252.00	0.00000
384502.03	3770252.00	0.00000	384552.03	3770252.00	0.00000
384602.03	3770252.00	0.00000	384652.03	3770252.00	0.00000
384702.03	3770252.00	0.00000	382752.03	3770302.00	0.00000
382802.03	3770302.00	0.00000	382852.03	3770302.00	0.00000
382902.03	3770302.00	0.00000	382952.03	3770302.00	0.00000
383002.03	3770302.00	0.00000	383052.03	3770302.00	0.00001
383102.03	3770302.00	0.00001	383152.03	3770302.00	0.00001
383202.03	3770302.00	0.00001	383252.03	3770302.00	0.00001
383302.03	3770302.00	0.00001	383352.03	3770302.00	0.00001
383402.03	3770302.00	0.00001	383452.03	3770302.00	0.00001
383502.03	3770302.00	0.00001	383552.03	3770302.00	0.00000
383602.03	3770302.00	0.00000	383652.03	3770302.00	0.00000
383702.03	3770302.00	0.00000	383752.03	3770302.00	0.00000
383802.03	3770302.00	0.00000	383852.03	3770302.00	0.00000
383902.03	3770302.00	0.00000	383952.03	3770302.00	0.00000
384002.03	3770302.00	0.00000	384052.03	3770302.00	0.00000
384102.03	3770302.00	0.00000	384152.03	3770302.00	0.00000
384202.03	3770302.00	0.00000	384252.03	3770302.00	0.00000

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384302.03	3770302.00	0.00000	384352.03	3770302.00	0.00000
384402.03	3770302.00	0.00000	384452.03	3770302.00	0.00000
384502.03	3770302.00	0.00000	384552.03	3770302.00	0.00000
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation *** HRA - PM Diesel (Unmitigated)		***	04/20/10
MODELOPTs:				*	11:23:25
CONC					PAGE 63
DFAULT ELEV					
*** THE ANNUAL AVERAGE CONCENTRATION INCLUDING SOURCE(S):					
VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULIDLE ***					
HAULIDLE,					
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
** CONC OF DPM IN MICROGRAMS/M**3 **					
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
384602.03	3770302.00	0.00000	384652.03	3770302.00	0.00000
384702.03	3770302.00	0.00000	382752.03	3770352.00	0.00000
382802.03	3770352.00	0.00000	382852.03	3770352.00	0.00000
382902.03	3770352.00	0.00000	382952.03	3770352.00	0.00000
383002.03	3770352.00	0.00001	383052.03	3770352.00	0.00001
383102.03	3770352.00	0.00001	383152.03	3770352.00	0.00001
383202.03	3770352.00	0.00001	383252.03	3770352.00	0.00001
383302.03	3770352.00	0.00001	383352.03	3770352.00	0.00001
383402.03	3770352.00	0.00001	383452.03	3770352.00	0.00001
383502.03	3770352.00	0.00001	383552.03	3770352.00	0.00001
383602.03	3770352.00	0.00001	383652.03	3770352.00	0.00001
383702.03	3770352.00	0.00000	383752.03	3770352.00	0.00000
383802.03	3770352.00	0.00000	383852.03	3770352.00	0.00000
383902.03	3770352.00	0.00000	383952.03	3770352.00	0.00000
384002.03	3770352.00	0.00000	384052.03	3770352.00	0.00000
384102.03	3770352.00	0.00000	384152.03	3770352.00	0.00000
384202.03	3770352.00	0.00000	384252.03	3770352.00	0.00000
384302.03	3770352.00	0.00000	384352.03	3770352.00	0.00000
384402.03	3770352.00	0.00000	384452.03	3770352.00	0.00000
384502.03	3770352.00	0.00000	384552.03	3770352.00	0.00000
384602.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384702.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384602.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384702.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384602.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384702.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384602.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384702.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384602.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384702.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384602.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384702.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384602.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384702.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384602.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384702.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384602.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384702.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384602.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384702.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384602.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384702.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384602.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384702.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384602.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384702.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384602.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384702.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384602.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384702.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384602.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384702.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384602.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384702.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384602.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384702.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384602.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384702.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384602.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384702.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384602.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384702.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384602.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384702.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384602.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384702.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384602.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384702.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384602.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384702.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384602.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384702.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384602.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384702.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384602.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384702.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384602.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384702.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384602.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384702.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384602.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384702.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384602.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384702.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384602.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384702.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384602.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384702.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384602.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384702.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384602.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384702.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384602.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384702.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384602.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384702.03	3770352.00	0.00000	384652.03	3770352.00	0.00000
384602.03	3770352.00	0.00000			

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

CONC			DFAULT ELEV		
*** THE ANNUAL AVERAGE CONCENTRATION INCLUDING SOURCE(S) :			VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULIDLE ***		
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
** CONC OF DPM			IN MICROGRAMS/M**3		
**			**		
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
384602.03	3770502.00	0.00000	384652.03	3770502.00	0.00000
384702.03	3770502.00	0.00000	382752.03	3770552.00	0.00000
382802.03	3770552.00	0.00000	382852.03	3770552.00	0.00000
382902.03	3770552.00	0.00000	382952.03	3770552.00	0.00000
383002.03	3770552.00	0.00001	383052.03	3770552.00	0.00001
383102.03	3770552.00	0.00001	383152.03	3770552.00	0.00001
383202.03	3770552.00	0.00001	383252.03	3770552.00	0.00001
383302.03	3770552.00	0.00001	383352.03	3770552.00	0.00001
383402.03	3770552.00	0.00002	383452.03	3770552.00	0.00002
383502.03	3770552.00	0.00002	383552.03	3770552.00	0.00002
383602.03	3770552.00	0.00002	383652.03	3770552.00	0.00002
383702.03	3770552.00	0.00001	383752.03	3770552.00	0.00001
383802.03	3770552.00	0.00001	383852.03	3770552.00	0.00000
383902.03	3770552.00	0.00000	383952.03	3770552.00	0.00000
384002.03	3770552.00	0.00000	384052.03	3770552.00	0.00000
384102.03	3770552.00	0.00000	384152.03	3770552.00	0.00000
384202.03	3770552.00	0.00000	384252.03	3770552.00	0.00000
384302.03	3770552.00	0.00000	384352.03	3770552.00	0.00000
384402.03	3770552.00	0.00000	384452.03	3770552.00	0.00000
384502.03	3770552.00	0.00000	384552.03	3770552.00	0.00000
*** AERMOD - VERSION 07026 ***			*** Echo Park Lake Rehabilitation ***		
*** HRA - PM Diesel (Unmitigated)			***		
**MODELOPTs:			04/20/10		
CONC			11:23:25		
DFAULT ELEV			PAGE 66		
*** THE ANNUAL AVERAGE CONCENTRATION INCLUDING SOURCE(S) :			VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULIDLE ***		
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
** CONC OF DPM			IN MICROGRAMS/M**3		
**			**		
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
384602.03	3770602.00	0.00000	384652.03	3770602.00	0.00000
384702.03	3770602.00	0.00000	382752.03	3770652.00	0.00000
382802.03	3770652.00	0.00000	382852.03	3770652.00	0.00000
382902.03	3770652.00	0.00000	382952.03	3770652.00	0.00000
383002.03	3770652.00	0.00001	383052.03	3770652.00	0.00001
383102.03	3770652.00	0.00001	383152.03	3770652.00	0.00001
383202.03	3770652.00	0.00001	383252.03	3770652.00	0.00001
383302.03	3770652.00	0.00001	383352.03	3770652.00	0.00002
383402.03	3770652.00	0.00002	383452.03	3770652.00	0.00003
383502.03	3770652.00	0.00004	383552.03	3770652.00	0.00005
383602.03	3770652.00	0.00007	383652.03	3770652.00	0.00008
383702.03	3770652.00	0.00011	383802.03	3770652.00	0.00003
383852.03	3770652.00	0.00002	383902.03	3770652.00	0.00001
383952.03	3770652.00	0.00001	384002.03	3770652.00	0.00001
384052.03	3770652.00	0.00000	384102.03	3770652.00	0.00000
384152.03	3770652.00	0.00000	384202.03	3770652.00	0.00000
384252.03	3770652.00	0.00000	384302.03	3770652.00	0.00000
384352.03	3770652.00	0.00000	384402.03	3770652.00	0.00000
384452.03	3770652.00	0.00000	384502.03	3770652.00	0.00000
384552.03	3770652.00	0.00000	384602.03	3770652.00	0.00000
384652.03	3770652.00	0.00000	384702.03	3770652.00	0.00000
382752.03	3770702.00	0.00000	382802.03	3770702.00	0.00000
382852.03	3770702.00	0.00000	382902.03	3770702.00	0.00000
382952.03	3770702.00	0.00000	383002.03	3770702.00	0.00001
383052.03	3770702.00	0.00001	383102.03	3770702.00	0.00001
383152.03	3770702.00	0.00001	383202.03	3770702.00	0.00001
383252.03	3770702.00	0.00001	383302.03	3770702.00	0.00002
383352.03	3770702.00	0.00002	383402.03	3770702.00	0.00003
383452.03	3770702.00	0.00003	383502.03	3770702.00	0.00005
383552.03	3770702.00	0.00008	383802.03	3770702.00	0.00009
383852.03	3770702.00	0.00003	383902.03	3770702.00	0.00002
383952.03	3770702.00	0.00001	384002.03	3770702.00	0.00001
384052.03	3770702.00	0.00001	384102.03	3770702.00	0.00001
384152.03	3770702.00	0.00000	384202.03	3770702.00	0.00000
384252.03	3770702.00	0.00000	384302.03	3770702.00	0.00000
384352.03	3770702.00	0.00000	384402.03	3770702.00	0.00000
384452.03	3770702.00	0.00000	384502.03	3770702.00	0.00000
384552.03	3770702.00	0.00000	384602.03	3770702.00	0.00000
384652.03	3770702.00	0.00000	384702.03	3770702.00	0.00000
382752.03	3770752.00	0.00000	382802.03	3770752.00	0.00000
*** AERMOD - VERSION 07026 ***			*** Echo Park Lake Rehabilitation ***		
*** HRA - PM Diesel (Unmitigated)			***		
**MODELOPTs:			04/20/10		
CONC			11:23:25		
DFAULT ELEV			PAGE 67		
*** THE ANNUAL AVERAGE CONCENTRATION INCLUDING SOURCE(S) :			VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULIDLE ***		
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

** CONC OF DPM IN MICROGRAMS/M**3 **					
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
382852.03	3770752.00	0.00000	382902.03	3770752.00	0.00000
382952.03	3770752.00	0.00000	383002.03	3770752.00	0.00001
383052.03	3770752.00	0.00001	383102.03	3770752.00	0.00001
383152.03	3770752.00	0.00001	383202.03	3770752.00	0.00001
383252.03	3770752.00	0.00001	383302.03	3770752.00	0.00002
383352.03	3770752.00	0.00002	383402.03	3770752.00	0.00003
383452.03	3770752.00	0.00004	383502.03	3770752.00	0.00005
383552.03	3770752.00	0.00010	383602.03	3770752.00	0.00013
383652.03	3770752.00	0.00005	383702.03	3770752.00	0.00003
383752.03	3770752.00	0.00002	383802.03	3770752.00	0.00001
383852.03	3770752.00	0.00001	383902.03	3770752.00	0.00001
383952.03	3770752.00	0.00001	384002.03	3770752.00	0.00001
384052.03	3770752.00	0.00000	384102.03	3770752.00	0.00001
384152.03	3770752.00	0.00000	384202.03	3770752.00	0.00001
384252.03	3770752.00	0.00000	384302.03	3770752.00	0.00000
384352.03	3770752.00	0.00000	384402.03	3770752.00	0.00000
384452.03	3770752.00	0.00000	384502.03	3770752.00	0.00000
384552.03	3770752.00	0.00000	384602.03	3770752.00	0.00000
384652.03	3770752.00	0.00000	384702.03	3770752.00	0.00000
382752.03	3770802.00	0.00000	382802.03	3770802.00	0.00000
382852.03	3770802.00	0.00000	382902.03	3770802.00	0.00000
382952.03	3770802.00	0.00000	383002.03	3770802.00	0.00001
383052.03	3770802.00	0.00001	383102.03	3770802.00	0.00001
383152.03	3770802.00	0.00001	383202.03	3770802.00	0.00001
383252.03	3770802.00	0.00001	383302.03	3770802.00	0.00002
383352.03	3770802.00	0.00002	383402.03	3770802.00	0.00003
383452.03	3770802.00	0.00004	383502.03	3770802.00	0.00006
383552.03	3770802.00	0.00011	383602.03	3770802.00	0.00015
383652.03	3770802.00	0.00007	383702.03	3770802.00	0.00004
383752.03	3770802.00	0.00003	383802.03	3770802.00	0.00002
383852.03	3770802.00	0.00001	383902.03	3770802.00	0.00001
383952.03	3770802.00	0.00001	384002.03	3770802.00	0.00001
384052.03	3770802.00	0.00000	384102.03	3770802.00	0.00000
384152.03	3770802.00	0.00000	384202.03	3770802.00	0.00000
384252.03	3770802.00	0.00000	384302.03	3770802.00	0.00000
384352.03	3770802.00	0.00000	384402.03	3770802.00	0.00000
384452.03	3770802.00	0.00000	384502.03	3770802.00	0.00000
384552.03	3770802.00	0.00000	384602.03	3770802.00	0.00000
384652.03	3770802.00	0.00000	384702.03	3770802.00	0.00000
382752.03	3770852.00	0.00000	382802.03	3770852.00	0.00000
382852.03	3770852.00	0.00000	382902.03	3770852.00	0.00000
382952.03	3770852.00	0.00000	383002.03	3770852.00	0.00001
383052.03	3770852.00	0.00001	383102.03	3770852.00	0.00001
383152.03	3770852.00	0.00001	383202.03	3770852.00	0.00001
*** AERMOD - VERSION 07026 ***					
*** Echo Park Lake Rehabilitation					
*** HRA - PM Diesel (Unmitigated)					

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**MODELOPTs:					
CONC					
DFAULT ELEV					
*** THE ANNUAL AVERAGE CONCENTRATION INCLUDING SOURCE(S):					
VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULIDLE ***					
HAULIDLE,					
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
** CONC OF DPM IN MICROGRAMS/M**3 **					
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
383252.03	3770852.00	0.00001	383302.03	3770852.00	0.00002
383352.03	3770852.00	0.00002	383402.03	3770852.00	0.00003
383452.03	3770852.00	0.00004	383502.03	3770852.00	0.00006
383552.03	3770852.00	0.00012	383602.03	3770852.00	0.00017
383652.03	3770852.00	0.00008	383702.03	3770852.00	0.00005
383752.03	3770852.00	0.00003	383802.03	3770852.00	0.00002
383852.03	3770852.00	0.00002	383902.03	3770852.00	0.00001
383952.03	3770852.00	0.00001	384002.03	3770852.00	0.00001
384052.03	3770852.00	0.00001	384102.03	3770852.00	0.00001
384152.03	3770852.00	0.00001	384202.03	3770852.00	0.00001
384252.03	3770852.00	0.00001	384302.03	3770852.00	0.00001
384352.03	3770852.00	0.00000	384402.03	3770852.00	0.00000
384452.03	3770852.00	0.00000	384502.03	3770852.00	0.00000
384552.03	3770852.00	0.00000	384602.03	3770852.00	0.00000
384652.03	3770852.00	0.00000	384702.03	3770852.00	0.00000
382752.03	3770902.00	0.00000	382802.03	3770902.00	0.00000
382852.03	3770902.00	0.00000	382902.03	3770902.00	0.00000
382952.03	3770902.00	0.00000	383002.03	3770902.00	0.00001
383052.03	3770902.00	0.00001	383102.03	3770902.00	0.00001
383152.03	3770902.00	0.00001	383202.03	3770902.00	0.00001
383252.03	3770902.00	0.00001	383302.03	3770902.00	0.00002
383352.03	3770902.00	0.00002	383402.03	3770902.00	0.00003
383452.03	3770902.00	0.00004	383502.03	3770902.00	0.00007
383552.03	3770902.00	0.00013	383602.03	3770902.00	0.00018
383652.03	3770902.00	0.00009	383702.03	3770902.00	0.00005
383752.03	3770902.00	0.00004	383802.03	3770902.00	0.00003
383852.03	3770902.00	0.00002	383902.03	3770902.00	0.00001
383952.03	3770902.00	0.00001	384002.03	3770902.00	0.00001
384052.03	3770902.00	0.00001	384102.03	3770902.00	0.00001
384152.03	3770902.00	0.00001	384202.03	3770902.00	0.00001
384252.03	3770902.00	0.00001	384302.03	3770902.00	0.00001
384352.03	3770902.00	0.00001	384402.03	3770902.00	0.00000
384452.03	3770902.00	0.00000	384502.03	3770902.00	0.00000
384552.03	3770902.00	0.00000	384602.03	3770902.00	0.00000
384652.03	3770902.00	0.00000	384702.03	3770902.00	0.00000
382752.03	3770952.00	0.00000	382802.03	3770952.00	0.00000
382852.03	3770952.00	0.00000	382902.03	3770952.00	0.00000
382952.03	3770952.00	0.00000	383002.03	3770952.00	0.00000
383052.03	3770952.00	0.00001	383102.03	3770952.00	0.00001
383152.03	3770952.00	0.00001	383202.03	3770952.00	0.00001
383252.03	3770952.00	0.00001	383302.03	3770952.00	0.00002
383352.03	3770952.00	0.00002	383402.03	3770952.00	0.00003
383452.03	3770952.00	0.00004	383502.03	3770952.00	0.00007
383552.03	3770952.00	0.00014	383602.03	3770952.00	0.00019
*** AERMOD - VERSION 07026 ***					
*** Echo Park Lake Rehabilitation					
*** HRA - PM Diesel (Unmitigated)					

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**MODELOPTs:					
CONC					
DFAULT ELEV					
*** THE ANNUAL AVERAGE CONCENTRATION INCLUDING SOURCE(S):					
VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULIDLE ***					
HAULIDLE,					
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
** CONC OF DPM IN MICROGRAMS/M**3 **					
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
383852.03	3770952.00	0.00010	383902.03	3770952.00	0.00006

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

383952.03	3770952.00	0.00004	384002.03	3770952.00	0.00003
384052.03	3770952.00	0.00002	384102.03	3770952.00	0.00002
384152.03	3770952.00	0.00001	384202.03	3770952.00	0.00001
384252.03	3770952.00	0.00001	384302.03	3770952.00	0.00001
384352.03	3770952.00	0.00001	384402.03	3770952.00	0.00001
384452.03	3770952.00	0.00000	384502.03	3770952.00	0.00000
384552.03	3770952.00	0.00000	384602.03	3770952.00	0.00000
384652.03	3770952.00	0.00000	384702.03	3770952.00	0.00000
382752.03	3771002.00	0.00000	382802.03	3771002.00	0.00000
382852.03	3771002.00	0.00000	382902.03	3771002.00	0.00000
382952.03	3771002.00	0.00000	383002.03	3771002.00	0.00000
383052.03	3771002.00	0.00001	383102.03	3771002.00	0.00001
383152.03	3771002.00	0.00001	383202.03	3771002.00	0.00001
383252.03	3771002.00	0.00001	383302.03	3771002.00	0.00001
383352.03	3771002.00	0.00002	383402.03	3771002.00	0.00003
383452.03	3771002.00	0.00004	383502.03	3771002.00	0.00007
383552.03	3771002.00	0.00015	383602.03	3771002.00	0.00026
383652.03	3771002.00	0.00012	383702.03	3771002.00	0.00007
383752.03	3771002.00	0.00005	383802.03	3771002.00	0.00003
383852.03	3771002.00	0.00003	383902.03	3771002.00	0.00002
383952.03	3771002.00	0.00002	384002.03	3771002.00	0.00001
384052.03	3771002.00	0.00001	384102.03	3771002.00	0.00001
384152.03	3771002.00	0.00001	384202.03	3771002.00	0.00001
384252.03	3771002.00	0.00001	384302.03	3771002.00	0.00001
384352.03	3771002.00	0.00001	384402.03	3771002.00	0.00000
384452.03	3771002.00	0.00000	384502.03	3771002.00	0.00000
384552.03	3771002.00	0.00000	384602.03	3771002.00	0.00000
384652.03	3771002.00	0.00000	384702.03	3771002.00	0.00000
382752.03	3771052.00	0.00000	382802.03	3771052.00	0.00000
382852.03	3771052.00	0.00000	382902.03	3771052.00	0.00000
382952.03	3771052.00	0.00000	383002.03	3771052.00	0.00000
383052.03	3771052.00	0.00000	383102.03	3771052.00	0.00001
383152.03	3771052.00	0.00001	383202.03	3771052.00	0.00001
383252.03	3771052.00	0.00001	383302.03	3771052.00	0.00001
383352.03	3771052.00	0.00002	383402.03	3771052.00	0.00003
383452.03	3771052.00	0.00004	383502.03	3771052.00	0.00007
383552.03	3771052.00	0.00015	383602.03	3771052.00	0.00015
383652.03	3771052.00	0.00009	383702.03	3771052.00	0.00006
383752.03	3771052.00	0.00004	383802.03	3771052.00	0.00003
383852.03	3771052.00	0.00002	383902.03	3771052.00	0.00002
383952.03	3771052.00	0.00001	384002.03	3771052.00	0.00001
384052.03	3771052.00	0.00000	384102.03	3771052.00	0.00000
384152.03	3771052.00	0.00000	384202.03	3771052.00	0.00000
384252.03	3771052.00	0.00000	384302.03	3771052.00	0.00000
*** AERMOD - VERSION 07026 ***			*** Echo Park Lake Rehabilitation		
*** HRA - PM Diesel (Unmitigated)			***		
*** THE ANNUAL AVERAGE CONCENTRATION INCLUDING SOURCE(S):			VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULIDLE ***		
*** DISCRETE CARTESIAN RECEPTOR POINTS ***			***		
** CONC OF DPM			IN MICROGRAMS/M**3		
**			**		
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
384302.03	3771052.00	0.00001	384352.03	3771052.00	0.00001
384402.03	3771052.00	0.00001	384452.03	3771052.00	0.00001
384502.03	3771052.00	0.00001	384552.03	3771052.00	0.00000
384602.03	3771052.00	0.00000	384652.03	3771052.00	0.00000
384702.03	3771052.00	0.00000	382752.03	3771102.00	0.00000
382802.03	3771102.00	0.00000	382852.03	3771102.00	0.00000
382902.03	3771102.00	0.00000	382952.03	3771102.00	0.00000
383002.03	3771102.00	0.00000	383052.03	3771102.00	0.00000
383102.03	3771102.00	0.00001	383152.03	3771102.00	0.00001
383202.03	3771102.00	0.00001	383252.03	3771102.00	0.00001
383302.03	3771102.00	0.00001	383352.03	3771102.00	0.00002
383402.03	3771102.00	0.00002	383452.03	3771102.00	0.00004
383502.03	3771102.00	0.00006	383552.03	3771102.00	0.00014
383602.03	3771102.00	0.00023	383652.03	3771102.00	0.00011
383702.03	3771102.00	0.00007	383752.03	3771102.00	0.00005
383802.03	3771102.00	0.00003	383852.03	3771102.00	0.00003
383902.03	3771102.00	0.00002	383952.03	3771102.00	0.00002
384002.03	3771102.00	0.00001	384052.03	3771102.00	0.00001
384102.03	3771102.00	0.00001	384152.03	3771102.00	0.00001
384202.03	3771102.00	0.00001	384252.03	3771102.00	0.00000
384302.03	3771102.00	0.00000	384352.03	3771102.00	0.00000
384402.03	3771102.00	0.00000	384452.03	3771102.00	0.00000
384502.03	3771102.00	0.00000	384552.03	3771102.00	0.00000
384602.03	3771102.00	0.00000	384652.03	3771102.00	0.00000
384702.03	3771102.00	0.00000	382752.03	3771152.00	0.00000
382802.03	3771152.00	0.00000	382852.03	3771152.00	0.00000
382902.03	3771152.00	0.00000	382952.03	3771152.00	0.00000
383002.03	3771152.00	0.00000	383052.03	3771152.00	0.00000
383102.03	3771152.00	0.00001	383152.03	3771152.00	0.00001
383202.03	3771152.00	0.00001	383252.03	3771152.00	0.00001
383302.03	3771152.00	0.00001	383352.03	3771152.00	0.00002
383402.03	3771152.00	0.00003	383452.03	3771152.00	0.00006
383502.03	3771152.00	0.00013	383552.03	3771152.00	0.00014
383602.03	3771152.00	0.00008	383652.03	3771152.00	0.00005
383702.03	3771152.00	0.00004	383752.03	3771152.00	0.00003
383802.03	3771152.00	0.00002	383852.03	3771152.00	0.00002
383902.03	3771152.00	0.00001	383952.03	3771152.00	0.00001
384002.03	3771152.00	0.00001	384052.03	3771152.00	0.00001
384102.03	3771152.00	0.00001	384152.03	3771152.00	0.00000
384202.03	3771152.00	0.00000	384252.03	3771152.00	0.00000
384302.03	3771152.00	0.00000	384352.03	3771152.00	0.00000
384402.03	3771152.00	0.00000	384452.03	3771152.00	0.00000
384502.03	3771152.00	0.00000	384552.03	3771152.00	0.00000
384602.03	3771152.00	0.00000	384652.03	3771152.00	0.00000
384702.03	3771152.00	0.00000	382752.03	3771202.00	0.00000
382802.03	3771202.00	0.00000	382852.03	3771202.00	0.00000
382902.03	3771202.00	0.00000	382952.03	3771202.00	0.00000
383002.03	3771202.00	0.00000	383052.03	3771202.00	0.00000
383102.03	3771202.00	0.00000	383152.03	3771202.00	0.00001
383202.03	3771202.00	0.00001	383252.03	3771202.00	0.00001
383302.03	3771202.00	0.00001	383352.03	3771202.00	0.00002
383402.03	3771202.00	0.00003	383452.03	3771202.00	0.00005

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

383552.03	3771202.00	0.00011	383852.03	3771202.00	0.00038
383902.03	3771202.00	0.00016	383952.03	3771202.00	0.00009
384002.03	3771202.00	0.00006	384052.03	3771202.00	0.00004
384102.03	3771202.00	0.00003	384152.03	3771202.00	0.00002
384202.03	3771202.00	0.00002	384252.03	3771202.00	0.00002
384302.03	3771202.00	0.00001	384352.03	3771202.00	0.00001
384402.03	3771202.00	0.00001	384452.03	3771202.00	0.00001
384502.03	3771202.00	0.00001	384552.03	3771202.00	0.00001
384602.03	3771202.00	0.00001	384652.03	3771202.00	0.00000
384702.03	3771202.00	0.00000	382752.03	3771252.00	0.00000
382802.03	3771252.00	0.00000	382852.03	3771252.00	0.00000
382902.03	3771252.00	0.00000	382952.03	3771252.00	0.00000
383002.03	3771252.00	0.00000	383052.03	3771252.00	0.00000
383102.03	3771252.00	0.00000	383152.03	3771252.00	0.00000
383202.03	3771252.00	0.00001	383252.03	3771252.00	0.00001
383302.03	3771252.00	0.00001	383352.03	3771252.00	0.00001
383402.03	3771252.00	0.00001	383452.03	3771252.00	0.00002
383502.03	3771252.00	0.00004	383552.03	3771252.00	0.00009
383752.03	3771252.00	0.00050	383802.03	3771252.00	0.00035
383852.03	3771252.00	0.00022	383902.03	3771252.00	0.00013
383952.03	3771252.00	0.00008	384002.03	3771252.00	0.00006
384052.03	3771252.00	0.00004	384102.03	3771252.00	0.00003
384152.03	3771252.00	0.00002	384202.03	3771252.00	0.00002
384252.03	3771252.00	0.00002	384302.03	3771252.00	0.00001
384352.03	3771252.00	0.00001	384402.03	3771252.00	0.00001
384452.03	3771252.00	0.00001	384502.03	3771252.00	0.00001
384552.03	3771252.00	0.00001	384602.03	3771252.00	0.00001
384652.03	3771252.00	0.00000	384702.03	3771252.00	0.00000
382752.03	3771302.00	0.00000	382802.03	3771302.00	0.00000
382852.03	3771302.00	0.00000	382902.03	3771302.00	0.00000
382952.03	3771302.00	0.00000	383002.03	3771302.00	0.00000
383052.03	3771302.00	0.00000	383102.03	3771302.00	0.00000
383152.03	3771302.00	0.00000	383202.03	3771302.00	0.00000
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	04/20/10
		*** HRA - PM Diesel (Unmitigated)		***	11:23:25
**MODELOPTs:					
CONC					
DFAULT ELEV					
*** THE ANNUAL AVERAGE CONCENTRATION INCLUDING SOURCE(S):		VALUES AVERAGED OVER HAULIDLE,		2 YEARS FOR SOURCE GROUP: HAULIDLE ***	
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
** CONC OF DPM		IN MICROGRAMS/M**3		**	
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
383252.03	3771302.00	0.00001	383302.03	3771302.00	0.00001
383352.03	3771302.00	0.00001	383402.03	3771302.00	0.00001
383452.03	3771302.00	0.00002	383502.03	3771302.00	0.00003
383552.03	3771302.00	0.00006	383702.03	3771302.00	0.00032
383752.03	3771302.00	0.00025	383802.03	3771302.00	0.00020
383852.03	3771302.00	0.00015	383902.03	3771302.00	0.00010
383952.03	3771302.00	0.00007	384002.03	3771302.00	0.00005
384052.03	3771302.00	0.00004	384102.03	3771302.00	0.00003
384152.03	3771302.00	0.00002	384202.03	3771302.00	0.00002
384252.03	3771302.00	0.00001	384302.03	3771302.00	0.00001
384352.03	3771302.00	0.00001	384402.03	3771302.00	0.00001
384452.03	3771302.00	0.00001	384502.03	3771302.00	0.00001
384552.03	3771302.00	0.00001	384602.03	3771302.00	0.00001
382752.03	3771352.00	0.00000	384702.03	3771302.00	0.00000
382852.03	3771352.00	0.00000	382802.03	3771352.00	0.00000
382952.03	3771352.00	0.00000	382902.03	3771352.00	0.00000
383052.03	3771352.00	0.00000	383002.03	3771352.00	0.00000
383152.03	3771352.00	0.00000	383102.03	3771352.00	0.00000
383252.03	3771352.00	0.00000	383202.03	3771352.00	0.00000
383352.03	3771352.00	0.00000	383302.03	3771352.00	0.00000
383452.03	3771352.00	0.00001	383402.03	3771352.00	0.00001
383552.03	3771352.00	0.00001	383502.03	3771352.00	0.00001
383652.03	3771352.00	0.00001	383602.03	3771352.00	0.00001
383752.03	3771352.00	0.00001	383702.03	3771352.00	0.00001
383852.03	3771352.00	0.00001	383802.03	3771352.00	0.00001
383952.03	3771352.00	0.00001	383902.03	3771352.00	0.00001
384052.03	3771352.00	0.00001	384002.03	3771352.00	0.00001
384152.03	3771352.00	0.00001	384102.03	3771352.00	0.00001
384252.03	3771352.00	0.00001	384202.03	3771352.00	0.00001
384352.03	3771352.00	0.00001	384302.03	3771352.00	0.00001
384452.03	3771352.00	0.00001	384402.03	3771352.00	0.00001
384552.03	3771352.00	0.00001	384502.03	3771352.00	0.00001
384652.03	3771352.00	0.00001	384602.03	3771352.00	0.00001
382752.03	3771402.00	0.00000	384702.03	3771352.00	0.00000
382852.03	3771402.00	0.00000	382802.03	3771402.00	0.00000
382952.03	3771402.00	0.00000	382902.03	3771402.00	0.00000
383052.03	3771402.00	0.00000	383002.03	3771402.00	0.00000
383152.03	3771402.00	0.00000	383102.03	3771402.00	0.00000
383252.03	3771402.00	0.00000	383202.03	3771402.00	0.00000
383352.03	3771402.00	0.00000	383302.03	3771402.00	0.00000
383452.03	3771402.00	0.00001	383402.03	3771402.00	0.00001
383552.03	3771402.00	0.00003	383502.03	3771402.00	0.00002
383652.03	3771402.00	0.00010	383602.03	3771402.00	0.00006
383752.03	3771402.00	0.00010	383702.03	3771402.00	0.00010
383852.03	3771402.00	0.00008	383802.03	3771402.00	0.00009
383952.03	3771402.00	0.00005	383902.03	3771402.00	0.00006
384052.03	3771402.00	0.00003	384002.03	3771402.00	0.00004
384152.03	3771402.00	0.00002	384102.03	3771402.00	0.00003
384252.03	3771402.00	0.00002	384202.03	3771402.00	0.00002
384352.03	3771402.00	0.00001	384302.03	3771402.00	0.00001
384452.03	3771402.00	0.00001	384402.03	3771402.00	0.00001
384552.03	3771402.00	0.00001	384502.03	3771402.00	0.00001
384652.03	3771402.00	0.00001	384602.03	3771402.00	0.00001

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

384652.03	3771402.00	0.00001	384702.03	3771402.00	0.00000
382752.03	3771452.00	0.00000	382802.03	3771452.00	0.00000
382852.03	3771452.00	0.00000	382902.03	3771452.00	0.00000
382952.03	3771452.00	0.00000	383002.03	3771452.00	0.00000
383052.03	3771452.00	0.00000	383102.03	3771452.00	0.00000
383152.03	3771452.00	0.00000	383202.03	3771452.00	0.00000
383252.03	3771452.00	0.00000	383302.03	3771452.00	0.00000
383352.03	3771452.00	0.00001	383402.03	3771452.00	0.00001
383452.03	3771452.00	0.00001	383502.03	3771452.00	0.00002
383552.03	3771452.00	0.00003	383602.03	3771452.00	0.00004
383652.03	3771452.00	0.00006	383702.03	3771452.00	0.00007
383752.03	3771452.00	0.00007	383802.03	3771452.00	0.00007
383852.03	3771452.00	0.00006	383902.03	3771452.00	0.00005
383952.03	3771452.00	0.00004	384002.03	3771452.00	0.00003
384052.03	3771452.00	0.00003	384102.03	3771452.00	0.00002
384152.03	3771452.00	0.00002	384202.03	3771452.00	0.00002
384252.03	3771452.00	0.00001	384302.03	3771452.00	0.00001
384352.03	3771452.00	0.00001	384402.03	3771452.00	0.00001
384452.03	3771452.00	0.00001	384502.03	3771452.00	0.00001
384552.03	3771452.00	0.00001	384602.03	3771452.00	0.00001
384652.03	3771452.00	0.00001	384702.03	3771452.00	0.00000
382752.03	3771502.00	0.00000	382802.03	3771502.00	0.00000
382852.03	3771502.00	0.00000	382902.03	3771502.00	0.00000
382952.03	3771502.00	0.00000	383002.03	3771502.00	0.00000
383052.03	3771502.00	0.00000	383102.03	3771502.00	0.00000
383152.03	3771502.00	0.00000	383202.03	3771502.00	0.00000
383252.03	3771502.00	0.00000	383302.03	3771502.00	0.00000
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	
*** HRA - PM Diesel (Unmitigated)				04/20/10	
				11:23:25	
				PAGE 74	
**MODELOPTs:					
CONC					
DFAULT ELEV					
*** THE ANNUAL AVERAGE CONCENTRATION					
INCLUDING SOURCE(S):					
VALUES AVERAGED OVER					
2 YEARS FOR SOURCE GROUP: HAULIDLE ***					
HAULIDLE,					
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
** CONC OF DPM					
IN MICROGRAMS/M**3					
**					
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
383352.03	3771502.00	0.00000	383402.03	3771502.00	0.00001
383452.03	3771502.00	0.00001	383502.03	3771502.00	0.00001
383552.03	3771502.00	0.00002	383602.03	3771502.00	0.00003
383652.03	3771502.00	0.00004	383702.03	3771502.00	0.00005
383752.03	3771502.00	0.00005	383802.03	3771502.00	0.00005
383852.03	3771502.00	0.00005	383902.03	3771502.00	0.00004
383952.03	3771502.00	0.00004	384002.03	3771502.00	0.00003
384052.03	3771502.00	0.00003	384102.03	3771502.00	0.00002
384152.03	3771502.00	0.00002	384202.03	3771502.00	0.00002
384252.03	3771502.00	0.00001	384302.03	3771502.00	0.00001
384352.03	3771502.00	0.00001	384402.03	3771502.00	0.00001
384452.03	3771502.00	0.00001	384502.03	3771502.00	0.00001
384552.03	3771502.00	0.00001	384602.03	3771502.00	0.00001
384652.03	3771502.00	0.00001	384702.03	3771502.00	0.00000
382752.03	3771552.00	0.00000	382802.03	3771552.00	0.00000
382852.03	3771552.00	0.00000	382902.03	3771552.00	0.00000
382952.03	3771552.00	0.00000	383002.03	3771552.00	0.00000
383052.03	3771552.00	0.00000	383102.03	3771552.00	0.00000
383152.03	3771552.00	0.00000	383202.03	3771552.00	0.00000
383252.03	3771552.00	0.00000	383302.03	3771552.00	0.00000
383352.03	3771552.00	0.00000	383402.03	3771552.00	0.00001
383452.03	3771552.00	0.00001	383502.03	3771552.00	0.00001
383552.03	3771552.00	0.00002	383602.03	3771552.00	0.00002
383652.03	3771552.00	0.00003	383702.03	3771552.00	0.00004
383752.03	3771552.00	0.00004	383802.03	3771552.00	0.00004
383852.03	3771552.00	0.00004	383902.03	3771552.00	0.00003
383952.03	3771552.00	0.00003	384002.03	3771552.00	0.00003
384052.03	3771552.00	0.00002	384102.03	3771552.00	0.00002
384152.03	3771552.00	0.00002	384202.03	3771552.00	0.00001
384252.03	3771552.00	0.00001	384302.03	3771552.00	0.00001
384352.03	3771552.00	0.00001	384402.03	3771552.00	0.00001
384452.03	3771552.00	0.00001	384502.03	3771552.00	0.00001
384552.03	3771552.00	0.00001	384602.03	3771552.00	0.00001
384652.03	3771552.00	0.00001	384702.03	3771552.00	0.00000
382752.03	3771602.00	0.00000	382802.03	3771602.00	0.00000
382852.03	3771602.00	0.00000	382902.03	3771602.00	0.00000
382952.03	3771602.00	0.00000	383002.03	3771602.00	0.00000
383052.03	3771602.00	0.00000	383102.03	3771602.00	0.00000
383152.03	3771602.00	0.00000	383202.03	3771602.00	0.00000
383252.03	3771602.00	0.00000	383302.03	3771602.00	0.00000
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	
*** HRA - PM Diesel (Unmitigated)				04/20/10	
				11:23:25	
				PAGE 75	
**MODELOPTs:					
CONC					
DFAULT ELEV					
*** THE ANNUAL AVERAGE CONCENTRATION					
INCLUDING SOURCE(S):					
VALUES AVERAGED OVER					
2 YEARS FOR SOURCE GROUP: HAULIDLE ***					
HAULIDLE,					
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
** CONC OF DPM					
IN MICROGRAMS/M**3					
**					
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
383352.03	3771602.00	0.00000	383402.03	3771602.00	0.00001
383452.03	3771602.00	0.00001	383502.03	3771602.00	0.00001
383552.03	3771602.00	0.00001	383602.03	3771602.00	0.00002
383652.03	3771602.00	0.00002	383702.03	3771602.00	0.00003
383752.03	3771602.00	0.00003	383802.03	3771602.00	0.00003
383852.03	3771602.00	0.00003	383902.03	3771602.00	0.00003
383952.03	3771602.00	0.00003	384002.03	3771602.00	0.00002
384052.03	3771602.00	0.00002	384102.03	3771602.00	0.00002
384152.03	3771602.00	0.00001	384202.03	3771602.00	0.00001
384252.03	3771602.00	0.00001	384302.03	3771602.00	0.00001
384352.03	3771602.00	0.00001	384402.03	3771602.00	0.00001
384452.03	3771602.00	0.00001	384502.03	3771602.00	0.00001
384552.03	3771602.00	0.00001	384602.03	3771602.00	0.00001
384652.03	3771602.00	0.00001	384702.03	3771602.00	0.00000
382752.03	3771652.00	0.00000	382802.03	3771652.00	0.00000
382852.03	3771652.00	0.00000	382902.03	3771652.00	0.00000
382952.03	3771652.00	0.00000	383002.03	3771652.00	0.00000
383052.03	3771652.00	0.00000	383102.03	3771652.00	0.00000
383152.03	3771652.00	0.00000	383202.03	3771652.00	0.00000

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

383252.03	3771652.00	0.00000	383302.03	3771652.00	0.00000
383352.03	3771652.00	0.00000	383402.03	3771652.00	0.00001
383452.03	3771652.00	0.00001	383502.03	3771652.00	0.00001
383552.03	3771652.00	0.00001	383602.03	3771652.00	0.00002
383652.03	3771652.00	0.00002	383702.03	3771652.00	0.00002
383752.03	3771652.00	0.00003	383802.03	3771652.00	0.00003
383852.03	3771652.00	0.00003	383902.03	3771652.00	0.00002
383952.03	3771652.00	0.00002	384002.03	3771652.00	0.00002
384052.03	3771652.00	0.00002	384102.03	3771652.00	0.00002
384152.03	3771652.00	0.00001	384202.03	3771652.00	0.00001
384252.03	3771652.00	0.00001	384302.03	3771652.00	0.00001
384352.03	3771652.00	0.00001	384402.03	3771652.00	0.00001
384452.03	3771652.00	0.00001	384502.03	3771652.00	0.00001
384552.03	3771652.00	0.00001	384602.03	3771652.00	0.00001
384652.03	3771652.00	0.00000	384702.03	3771652.00	0.00000
382752.03	3771702.00	0.00000	382802.03	3771702.00	0.00000
382852.03	3771702.00	0.00000	382902.03	3771702.00	0.00000
382952.03	3771702.00	0.00000	383002.03	3771702.00	0.00000
383052.03	3771702.00	0.00000	383102.03	3771702.00	0.00000
383152.03	3771702.00	0.00000	383202.03	3771702.00	0.00000
383252.03	3771702.00	0.00000	383302.03	3771702.00	0.00000
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	04/20/10
		*** HRA - PM Diesel (Unmitigated)		***	11:23:25
**MODELOPTs:					PAGE 76
CONC	DFAULT ELEV				
*** THE ANNUAL AVERAGE CONCENTRATION		VALUES AVERAGED OVER		2 YEARS FOR SOURCE GROUP: HAULIDLE ***	
INCLUDING SOURCE(S):		HAULIDLE,			
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
		** CONC OF DPM	IN MICROGRAMS/M**3		**
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
383352.03	3771702.00	0.00000	383402.03	3771702.00	0.00000
383452.03	3771702.00	0.00001	383502.03	3771702.00	0.00001
383552.03	3771702.00	0.00001	383602.03	3771702.00	0.00001
383652.03	3771702.00	0.00002	383702.03	3771702.00	0.00002
383752.03	3771702.00	0.00002	383802.03	3771702.00	0.00002
383852.03	3771702.00	0.00002	383902.03	3771702.00	0.00002
383952.03	3771702.00	0.00002	384002.03	3771702.00	0.00002
384052.03	3771702.00	0.00001	384102.03	3771702.00	0.00001
384152.03	3771702.00	0.00001	384202.03	3771702.00	0.00001
384252.03	3771702.00	0.00001	384302.03	3771702.00	0.00001
384352.03	3771702.00	0.00001	384402.03	3771702.00	0.00001
384452.03	3771702.00	0.00001	384502.03	3771702.00	0.00001
384552.03	3771702.00	0.00001	384602.03	3771702.00	0.00001
384652.03	3771702.00	0.00000	384702.03	3771702.00	0.00000
382752.03	3771752.00	0.00000	382802.03	3771752.00	0.00000
382852.03	3771752.00	0.00000	382902.03	3771752.00	0.00000
382952.03	3771752.00	0.00000	383002.03	3771752.00	0.00000
383052.03	3771752.00	0.00000	383102.03	3771752.00	0.00000
383152.03	3771752.00	0.00000	383202.03	3771752.00	0.00000
383252.03	3771752.00	0.00000	383302.03	3771752.00	0.00000
383352.03	3771752.00	0.00000	383402.03	3771752.00	0.00000
383452.03	3771752.00	0.00001	383502.03	3771752.00	0.00001
383552.03	3771752.00	0.00001	383602.03	3771752.00	0.00001
383652.03	3771752.00	0.00001	383702.03	3771752.00	0.00002
383752.03	3771752.00	0.00002	383802.03	3771752.00	0.00002
383852.03	3771752.00	0.00002	383902.03	3771752.00	0.00002
383952.03	3771752.00	0.00002	384002.03	3771752.00	0.00002
384052.03	3771752.00	0.00001	384102.03	3771752.00	0.00001
384152.03	3771752.00	0.00001	384202.03	3771752.00	0.00001
384252.03	3771752.00	0.00001	384302.03	3771752.00	0.00001
384352.03	3771752.00	0.00001	384402.03	3771752.00	0.00001
384452.03	3771752.00	0.00001	384502.03	3771752.00	0.00001
384552.03	3771752.00	0.00001	384602.03	3771752.00	0.00001
384652.03	3771752.00	0.00000	384702.03	3771752.00	0.00000
382752.03	3771802.00	0.00000	382802.03	3771802.00	0.00000
382852.03	3771802.00	0.00000	382902.03	3771802.00	0.00000
382952.03	3771802.00	0.00000	383002.03	3771802.00	0.00000
383052.03	3771802.00	0.00000	383102.03	3771802.00	0.00000
383152.03	3771802.00	0.00000	383202.03	3771802.00	0.00000
383252.03	3771802.00	0.00000	383302.03	3771802.00	0.00000
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	04/20/10
		*** HRA - PM Diesel (Unmitigated)		***	11:23:25
**MODELOPTs:					PAGE 77
CONC	DFAULT ELEV				
*** THE ANNUAL AVERAGE CONCENTRATION		VALUES AVERAGED OVER		2 YEARS FOR SOURCE GROUP: HAULIDLE ***	
INCLUDING SOURCE(S):		HAULIDLE,			
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
		** CONC OF DPM	IN MICROGRAMS/M**3		**
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
383352.03	3771802.00	0.00000	383402.03	3771802.00	0.00000
383452.03	3771802.00	0.00001	383502.03	3771802.00	0.00001
383552.03	3771802.00	0.00001	383602.03	3771802.00	0.00001
383652.03	3771802.00	0.00001	383702.03	3771802.00	0.00001
383752.03	3771802.00	0.00002	383802.03	3771802.00	0.00002
383852.03	3771802.00	0.00002	383902.03	3771802.00	0.00002
383952.03	3771802.00	0.00002	384002.03	3771802.00	0.00002
384052.03	3771802.00	0.00001	384102.03	3771802.00	0.00001
384152.03	3771802.00	0.00001	384202.03	3771802.00	0.00001
384252.03	3771802.00	0.00001	384302.03	3771802.00	0.00001
384352.03	3771802.00	0.00001	384402.03	3771802.00	0.00001
384452.03	3771802.00	0.00001	384502.03	3771802.00	0.00001
384552.03	3771802.00	0.00001	384602.03	3771802.00	0.00000
384652.03	3771802.00	0.00000	384702.03	3771802.00	0.00000
382752.03	3771852.00	0.00000	382802.03	3771852.00	0.00000
382852.03	3771852.00	0.00000	382902.03	3771852.00	0.00000
382952.03	3771852.00	0.00000	383002.03	3771852.00	0.00000
383052.03	3771852.00	0.00000	383102.03	3771852.00	0.00000
383152.03	3771852.00	0.00000	383202.03	3771852.00	0.00000
383252.03	3771852.00	0.00000	383302.03	3771852.00	0.00000
383352.03	3771852.00	0.00000	383402.03	3771852.00	0.00000
383452.03	3771852.00	0.00000	383502.03	3771852.00	0.00001
383552.03	3771852.00	0.00001	383602.03	3771852.00	0.00001
383652.03	3771852.00	0.00001	383702.03	3771852.00	0.00001
383752.03	3771852.00	0.00001	383802.03	3771852.00	0.00001

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

383852.03	3771852.00	0.00001	383902.03	3771852.00	0.00001		
383952.03	3771852.00	0.00001	384002.03	3771852.00	0.00001		
384052.03	3771852.00	0.00001	384102.03	3771852.00	0.00001		
384152.03	3771852.00	0.00001	384202.03	3771852.00	0.00001		
384252.03	3771852.00	0.00001	384302.03	3771852.00	0.00001		
384352.03	3771852.00	0.00001	384402.03	3771852.00	0.00001		
384452.03	3771852.00	0.00001	384502.03	3771852.00	0.00001		
384552.03	3771852.00	0.00000	384602.03	3771852.00	0.00000		
384652.03	3771852.00	0.00000	384702.03	3771852.00	0.00000		
382752.03	3771902.00	0.00000	382802.03	3771902.00	0.00000		
382852.03	3771902.00	0.00000	382902.03	3771902.00	0.00000		
382952.03	3771902.00	0.00000	383002.03	3771902.00	0.00000		
383052.03	3771902.00	0.00000	383102.03	3771902.00	0.00000		
383152.03	3771902.00	0.00000	383202.03	3771902.00	0.00000		
383252.03	3771902.00	0.00000	383302.03	3771902.00	0.00000		
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***		04/20/10	
		*** HRA - PM Diesel (Unmitigated)		***		11:23:25	
**MODELOPTs:						PAGE 78	
CONC	DFAULT ELEV						
*** THE ANNUAL AVERAGE CONCENTRATION		VALUES AVERAGED OVER		2 YEARS FOR SOURCE GROUP: HAULIDLE ***			
INCLUDING SOURCE(S):		HAULIDLE,					
*** DISCRETE CARTESIAN RECEPTOR POINTS ***							
		** CONC OF DPM	IN MICROGRAMS/M**3				**
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC		
383352.03	3771902.00	0.00000	383402.03	3771902.00	0.00000		
383452.03	3771902.00	0.00000	383502.03	3771902.00	0.00001		
383552.03	3771902.00	0.00001	383602.03	3771902.00	0.00001		
383652.03	3771902.00	0.00001	383702.03	3771902.00	0.00001		
383752.03	3771902.00	0.00001	383802.03	3771902.00	0.00001		
383852.03	3771902.00	0.00001	383902.03	3771902.00	0.00001		
383952.03	3771902.00	0.00001	384002.03	3771902.00	0.00001		
384052.03	3771902.00	0.00001	384102.03	3771902.00	0.00001		
384152.03	3771902.00	0.00001	384202.03	3771902.00	0.00001		
384252.03	3771902.00	0.00001	384302.03	3771902.00	0.00001		
384352.03	3771902.00	0.00001	384402.03	3771902.00	0.00001		
384452.03	3771902.00	0.00001	384502.03	3771902.00	0.00001		
384552.03	3771902.00	0.00000	384602.03	3771902.00	0.00000		
384652.03	3771902.00	0.00000	384702.03	3771902.00	0.00000		
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***		04/20/10	
		*** HRA - PM Diesel (Unmitigated)		***		11:23:25	
**MODELOPTs:						PAGE 79	
CONC	DFAULT ELEV						
*** THE ANNUAL AVERAGE CONCENTRATION		VALUES AVERAGED OVER		2 YEARS FOR SOURCE GROUP: HAULROUT ***			
INCLUDING SOURCE(S):		L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, L0000029, L0000030, . . .					
*** DISCRETE CARTESIAN RECEPTOR POINTS ***							
		** CONC OF DPM	IN MICROGRAMS/M**3				**
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC		
383660.97	3771329.50	0.00105	383792.56	3770989.25	0.03631		
383667.38	3770537.25	0.01448	382752.03	3769952.00	0.00022		
382802.03	3769952.00	0.00024	382852.03	3769952.00	0.00026		
382902.03	3769952.00	0.00029	382952.03	3769952.00	0.00032		
383002.03	3769952.00	0.00035	383052.03	3769952.00	0.00037		
383102.03	3769952.00	0.00039	383152.03	3769952.00	0.00041		
383202.03	3769952.00	0.00041	383252.03	3769952.00	0.00039		
383302.03	3769952.00	0.00036	383352.03	3769952.00	0.00033		
383402.03	3769952.00	0.00029	383452.03	3769952.00	0.00025		
383502.03	3769952.00	0.00022	383552.03	3769952.00	0.00020		
383602.03	3769952.00	0.00019	383652.03	3769952.00	0.00018		
383702.03	3769952.00	0.00017	383752.03	3769952.00	0.00016		
383802.03	3769952.00	0.00016	383852.03	3769952.00	0.00015		
383902.03	3769952.00	0.00014	383952.03	3769952.00	0.00014		
384002.03	3769952.00	0.00013	384052.03	3769952.00	0.00012		
384102.03	3769952.00	0.00011	384152.03	3769952.00	0.00011		
384202.03	3769952.00	0.00010	384252.03	3769952.00	0.00009		
384302.03	3769952.00	0.00009	384352.03	3769952.00	0.00008		
384402.03	3769952.00	0.00008	384452.03	3769952.00	0.00007		
384502.03	3769952.00	0.00007	384552.03	3769952.00	0.00007		
384602.03	3769952.00	0.00006	384652.03	3769952.00	0.00006		
384702.03	3769952.00	0.00006	382752.03	3770002.00	0.00022		
382802.03	3770002.00	0.00024	382852.03	3770002.00	0.00026		
382902.03	3770002.00	0.00029	382952.03	3770002.00	0.00033		
383002.03	3770002.00	0.00036	383052.03	3770002.00	0.00040		
383102.03	3770002.00	0.00043	383152.03	3770002.00	0.00045		
383202.03	3770002.00	0.00046	383252.03	3770002.00	0.00046		
383302.03	3770002.00	0.00043	383352.03	3770002.00	0.00039		
383402.03	3770002.00	0.00035	383452.03	3770002.00	0.00031		
383502.03	3770002.00	0.00027	383552.03	3770002.00	0.00024		
383602.03	3770002.00	0.00022	383652.03	3770002.00	0.00021		
383702.03	3770002.00	0.00020	383752.03	3770002.00	0.00019		
383802.03	3770002.00	0.00018	383852.03	3770002.00	0.00017		
383902.03	3770002.00	0.00016	383952.03	3770002.00	0.00016		
384002.03	3770002.00	0.00015	384052.03	3770002.00	0.00014		
384102.03	3770002.00	0.00013	384152.03	3770002.00	0.00012		
384202.03	3770002.00	0.00011	384252.03	3770002.00	0.00010		
384302.03	3770002.00	0.00010	384352.03	3770002.00	0.00009		
384402.03	3770002.00	0.00008	384452.03	3770002.00	0.00008		
384502.03	3770002.00	0.00007	384552.03	3770002.00	0.00007		
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***		04/20/10	
		*** HRA - PM Diesel (Unmitigated)		***		11:23:25	
**MODELOPTs:						PAGE 80	
CONC	DFAULT ELEV						
*** THE ANNUAL AVERAGE CONCENTRATION		VALUES AVERAGED OVER		2 YEARS FOR SOURCE GROUP: HAULROUT ***			
INCLUDING SOURCE(S):		L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, L0000029, L0000030, . . .					
*** DISCRETE CARTESIAN RECEPTOR POINTS ***							
		** CONC OF DPM	IN MICROGRAMS/M**3				**
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC		

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

384602.03	3770002.00	0.00007	384652.03	3770002.00	0.00006
384702.03	3770002.00	0.00006	382752.03	3770052.00	0.00021
382802.03	3770052.00	0.00024	382852.03	3770052.00	0.00026
382902.03	3770052.00	0.00030	382952.03	3770052.00	0.00033
383002.03	3770052.00	0.00037	383052.03	3770052.00	0.00042
383102.03	3770052.00	0.00046	383152.03	3770052.00	0.00050
383202.03	3770052.00	0.00053	383252.03	3770052.00	0.00053
383302.03	3770052.00	0.00052	383352.03	3770052.00	0.00048
383402.03	3770052.00	0.00043	383452.03	3770052.00	0.00038
383502.03	3770052.00	0.00033	383552.03	3770052.00	0.00030
383602.03	3770052.00	0.00027	383652.03	3770052.00	0.00025
383702.03	3770052.00	0.00024	383752.03	3770052.00	0.00023
383802.03	3770052.00	0.00021	383852.03	3770052.00	0.00020
383902.03	3770052.00	0.00019	383952.03	3770052.00	0.00018
384002.03	3770052.00	0.00017	384052.03	3770052.00	0.00015
384102.03	3770052.00	0.00014	384152.03	3770052.00	0.00013
384202.03	3770052.00	0.00012	384252.03	3770052.00	0.00011
384302.03	3770052.00	0.00010	384352.03	3770052.00	0.00010
384402.03	3770052.00	0.00009	384452.03	3770052.00	0.00008
384502.03	3770052.00	0.00008	384552.03	3770052.00	0.00007
384602.03	3770052.00	0.00007	384652.03	3770052.00	0.00007
384702.03	3770052.00	0.00006	382752.03	3770102.00	0.00021
382802.03	3770102.00	0.00024	382852.03	3770102.00	0.00026
382902.03	3770102.00	0.00030	382952.03	3770102.00	0.00034
383002.03	3770102.00	0.00038	383052.03	3770102.00	0.00043
383102.03	3770102.00	0.00049	383152.03	3770102.00	0.00055
383202.03	3770102.00	0.00059	383252.03	3770102.00	0.00062
383302.03	3770102.00	0.00062	383352.03	3770102.00	0.00059
383402.03	3770102.00	0.00054	383452.03	3770102.00	0.00048
383502.03	3770102.00	0.00042	383552.03	3770102.00	0.00037
383602.03	3770102.00	0.00033	383652.03	3770102.00	0.00031
383702.03	3770102.00	0.00029	383752.03	3770102.00	0.00027
383802.03	3770102.00	0.00026	383852.03	3770102.00	0.00024
383902.03	3770102.00	0.00022	383952.03	3770102.00	0.00021
384002.03	3770102.00	0.00019	384052.03	3770102.00	0.00017
384102.03	3770102.00	0.00016	384152.03	3770102.00	0.00015
384202.03	3770102.00	0.00013	384252.03	3770102.00	0.00012
384302.03	3770102.00	0.00011	384352.03	3770102.00	0.00010
384402.03	3770102.00	0.00010	384452.03	3770102.00	0.00009
384502.03	3770102.00	0.00008	384552.03	3770102.00	0.00008
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	04/20/10
*** HRA - PM Diesel (Unmitigated)				***	11:23:25
**MODELPTS:				PAGE 61	
CONC		DEFAULT ELEV			
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULROUT ***					
INCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, L0000029, L0000030, . . . ,					
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
		** CONC OF DPM	IN MICROGRAMS/M**3		**
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
384602.03	3770102.00	0.00007	384652.03	3770102.00	0.00007
384702.03	3770102.00	0.00007	382752.03	3770152.00	0.00021
382802.03	3770152.00	0.00024	382852.03	3770152.00	0.00026
382902.03	3770152.00	0.00030	382952.03	3770152.00	0.00034
383002.03	3770152.00	0.00039	383052.03	3770152.00	0.00045
383102.03	3770152.00	0.00052	383152.03	3770152.00	0.00059
383202.03	3770152.00	0.00066	383252.03	3770152.00	0.00071
383302.03	3770152.00	0.00074	383352.03	3770152.00	0.00073
383402.03	3770152.00	0.00068	383452.03	3770152.00	0.00061
383502.03	3770152.00	0.00054	383552.03	3770152.00	0.00048
383602.03	3770152.00	0.00042	383652.03	3770152.00	0.00039
383702.03	3770152.00	0.00036	383752.03	3770152.00	0.00033
383802.03	3770152.00	0.00031	383852.03	3770152.00	0.00029
383902.03	3770152.00	0.00026	383952.03	3770152.00	0.00024
384002.03	3770152.00	0.00022	384052.03	3770152.00	0.00020
384102.03	3770152.00	0.00018	384152.03	3770152.00	0.00016
384202.03	3770152.00	0.00015	384252.03	3770152.00	0.00014
384302.03	3770152.00	0.00012	384352.03	3770152.00	0.00011
384402.03	3770152.00	0.00011	384452.03	3770152.00	0.00010
384502.03	3770152.00	0.00009	384552.03	3770152.00	0.00008
384602.03	3770152.00	0.00008	384652.03	3770152.00	0.00007
384702.03	3770152.00	0.00007	382752.03	3770202.00	0.00022
382802.03	3770202.00	0.00024	382852.03	3770202.00	0.00027
382902.03	3770202.00	0.00030	382952.03	3770202.00	0.00034
383002.03	3770202.00	0.00039	383052.03	3770202.00	0.00046
383102.03	3770202.00	0.00054	383152.03	3770202.00	0.00063
383202.03	3770202.00	0.00073	383252.03	3770202.00	0.00082
383302.03	3770202.00	0.00088	383352.03	3770202.00	0.00090
383402.03	3770202.00	0.00087	383452.03	3770202.00	0.00080
383502.03	3770202.00	0.00071	383552.03	3770202.00	0.00063
383602.03	3770202.00	0.00056	383652.03	3770202.00	0.00050
383702.03	3770202.00	0.00046	383752.03	3770202.00	0.00042
383802.03	3770202.00	0.00038	383852.03	3770202.00	0.00035
383902.03	3770202.00	0.00032	383952.03	3770202.00	0.00028
384002.03	3770202.00	0.00026	384052.03	3770202.00	0.00023
384102.03	3770202.00	0.00020	384152.03	3770202.00	0.00018
384202.03	3770202.00	0.00017	384252.03	3770202.00	0.00015
384302.03	3770202.00	0.00014	384352.03	3770202.00	0.00012
384402.03	3770202.00	0.00011	384452.03	3770202.00	0.00011
384502.03	3770202.00	0.00010	384552.03	3770202.00	0.00009
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	04/20/10
*** HRA - PM Diesel (Unmitigated)				***	11:23:25
**MODELPTS:				PAGE 62	
CONC		DEFAULT ELEV			
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULROUT ***					
INCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, L0000029, L0000030, . . . ,					
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
		** CONC OF DPM	IN MICROGRAMS/M**3		**
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
384602.03	3770202.00	0.00009	384652.03	3770202.00	0.00008

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

384702.03	3770202.00	0.00008	382752.03	3770252.00	0.00022
382802.03	3770252.00	0.00024	382852.03	3770252.00	0.00027
382902.03	3770252.00	0.00030	382952.03	3770252.00	0.00034
383002.03	3770252.00	0.00040	383052.03	3770252.00	0.00046
383102.03	3770252.00	0.00055	383152.03	3770252.00	0.00066
383202.03	3770252.00	0.00079	383252.03	3770252.00	0.00092
383302.03	3770252.00	0.00105	383352.03	3770252.00	0.00112
383402.03	3770252.00	0.00113	383452.03	3770252.00	0.00108
383502.03	3770252.00	0.00097	383552.03	3770252.00	0.00086
383602.03	3770252.00	0.00076	383652.03	3770252.00	0.00067
383702.03	3770252.00	0.00060	383752.03	3770252.00	0.00054
383802.03	3770252.00	0.00048	383852.03	3770252.00	0.00043
383902.03	3770252.00	0.00038	383952.03	3770252.00	0.00034
384002.03	3770252.00	0.00030	384052.03	3770252.00	0.00027
384102.03	3770252.00	0.00024	384152.03	3770252.00	0.00021
384202.03	3770252.00	0.00019	384252.03	3770252.00	0.00017
384302.03	3770252.00	0.00015	384352.03	3770252.00	0.00014
384402.03	3770252.00	0.00013	384452.03	3770252.00	0.00012
384502.03	3770252.00	0.00011	384552.03	3770252.00	0.00010
384602.03	3770252.00	0.00009	384652.03	3770252.00	0.00009
384702.03	3770252.00	0.00008	382752.03	3770302.00	0.00023
382802.03	3770302.00	0.00025	382852.03	3770302.00	0.00028
382902.03	3770302.00	0.00031	382952.03	3770302.00	0.00035
383002.03	3770302.00	0.00040	383052.03	3770302.00	0.00047
383102.03	3770302.00	0.00056	383152.03	3770302.00	0.00068
383202.03	3770302.00	0.00084	383252.03	3770302.00	0.00103
383302.03	3770302.00	0.00123	383352.03	3770302.00	0.00140
383402.03	3770302.00	0.00149	383452.03	3770302.00	0.00147
383502.03	3770302.00	0.00137	383552.03	3770302.00	0.00123
383602.03	3770302.00	0.00108	383652.03	3770302.00	0.00094
383702.03	3770302.00	0.00082	383752.03	3770302.00	0.00072
383802.03	3770302.00	0.00063	383852.03	3770302.00	0.00055
383902.03	3770302.00	0.00048	383952.03	3770302.00	0.00041
384002.03	3770302.00	0.00036	384052.03	3770302.00	0.00031
384102.03	3770302.00	0.00027	384152.03	3770302.00	0.00024
384202.03	3770302.00	0.00021	384252.03	3770302.00	0.00019
384302.03	3770302.00	0.00017	384352.03	3770302.00	0.00015
384402.03	3770302.00	0.00014	384452.03	3770302.00	0.00013
384502.03	3770302.00	0.00012	384552.03	3770302.00	0.00011
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	
*** HRA - PM Diesel (Unmitigated)				04/20/10	
***				11:23:25	
***				PAGE 83	
**MODELOPTs:					
CONC		DEFAULT ELEVE			
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULROUT ***					
INCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, L0000029, L0000030, . . . ,					
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
** CONC OF DPM IN MICROGRAMS/M**3 **					
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
384602.03	3770302.00	0.00010	384652.03	3770302.00	0.00009
384702.03	3770302.00	0.00009	382752.03	3770352.00	0.00023
382802.03	3770352.00	0.00026	382852.03	3770352.00	0.00029
382902.03	3770352.00	0.00032	382952.03	3770352.00	0.00036
383002.03	3770352.00	0.00042	383052.03	3770352.00	0.00049
383102.03	3770352.00	0.00058	383152.03	3770352.00	0.00071
383202.03	3770352.00	0.00089	383252.03	3770352.00	0.00113
383302.03	3770352.00	0.00142	383352.03	3770352.00	0.00173
383402.03	3770352.00	0.00197	383452.03	3770352.00	0.00207
383502.03	3770352.00	0.00203	383552.03	3770352.00	0.00185
383602.03	3770352.00	0.00163	383652.03	3770352.00	0.00140
383702.03	3770352.00	0.00118	383752.03	3770352.00	0.00099
383802.03	3770352.00	0.00084	383852.03	3770352.00	0.00071
383902.03	3770352.00	0.00060	383952.03	3770352.00	0.00051
384002.03	3770352.00	0.00043	384052.03	3770352.00	0.00037
384102.03	3770352.00	0.00032	384152.03	3770352.00	0.00028
384202.03	3770352.00	0.00024	384252.03	3770352.00	0.00021
384302.03	3770352.00	0.00019	384352.03	3770352.00	0.00017
384402.03	3770352.00	0.00015	384452.03	3770352.00	0.00014
384502.03	3770352.00	0.00013	384552.03	3770352.00	0.00012
384602.03	3770352.00	0.00011	384652.03	3770352.00	0.00010
384702.03	3770352.00	0.00010	382752.03	3770402.00	0.00024
382802.03	3770402.00	0.00027	382852.03	3770402.00	0.00030
382902.03	3770402.00	0.00033	382952.03	3770402.00	0.00038
383002.03	3770402.00	0.00043	383052.03	3770402.00	0.00055
383102.03	3770402.00	0.00061	383152.03	3770402.00	0.00074
383202.03	3770402.00	0.00094	383252.03	3770402.00	0.00122
383302.03	3770402.00	0.00161	383352.03	3770402.00	0.00212
383402.03	3770402.00	0.00263	383452.03	3770402.00	0.00301
383502.03	3770402.00	0.00317	383552.03	3770402.00	0.00304
383602.03	3770402.00	0.00267	383652.03	3770402.00	0.00225
383702.03	3770402.00	0.00180	383752.03	3770402.00	0.00143
383802.03	3770402.00	0.00116	383852.03	3770402.00	0.00095
383902.03	3770402.00	0.00078	383952.03	3770402.00	0.00064
384002.03	3770402.00	0.00053	384052.03	3770402.00	0.00044
384102.03	3770402.00	0.00037	384152.03	3770402.00	0.00032
384202.03	3770402.00	0.00028	384252.03	3770402.00	0.00024
384302.03	3770402.00	0.00021	384352.03	3770402.00	0.00019
384402.03	3770402.00	0.00017	384452.03	3770402.00	0.00016
384502.03	3770402.00	0.00014	384552.03	3770402.00	0.00013
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	
*** HRA - PM Diesel (Unmitigated)				04/20/10	
***				11:23:25	
***				PAGE 84	
**MODELOPTs:					
CONC		DEFAULT ELEVE			
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULROUT ***					
INCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, L0000029, L0000030, . . . ,					
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
** CONC OF DPM IN MICROGRAMS/M**3 **					
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
384602.03	3770402.00	0.00012	384652.03	3770402.00	0.00011
384702.03	3770402.00	0.00010	382752.03	3770452.00	0.00025
382802.03	3770452.00	0.00027	382852.03	3770452.00	0.00030

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

382902.03	3770452.00	0.00034	382952.03	3770452.00	0.00039
383002.03	3770452.00	0.00045	383052.03	3770452.00	0.00053
383102.03	3770452.00	0.00064	383152.03	3770452.00	0.00079
383202.03	3770452.00	0.00100	383252.03	3770452.00	0.00131
383302.03	3770452.00	0.00181	383352.03	3770452.00	0.00257
383402.03	3770452.00	0.00357	383452.03	3770452.00	0.00459
383502.03	3770452.00	0.00538	383552.03	3770452.00	0.00567
383602.03	3770452.00	0.00509	383652.03	3770452.00	0.00403
383702.03	3770452.00	0.00300	383752.03	3770452.00	0.00222
383802.03	3770452.00	0.00171	383852.03	3770452.00	0.00134
383902.03	3770452.00	0.00105	383952.03	3770452.00	0.00083
384002.03	3770452.00	0.00066	384052.03	3770452.00	0.00054
384102.03	3770452.00	0.00045	384152.03	3770452.00	0.00038
384202.03	3770452.00	0.00032	384252.03	3770452.00	0.00028
384302.03	3770452.00	0.00025	384352.03	3770452.00	0.00022
384402.03	3770452.00	0.00019	384452.03	3770452.00	0.00017
384502.03	3770452.00	0.00016	384552.03	3770452.00	0.00014
384602.03	3770452.00	0.00013	384652.03	3770452.00	0.00012
384702.03	3770452.00	0.00011	382752.03	3770502.00	0.00025
382802.03	3770502.00	0.00027	382852.03	3770502.00	0.00031
382902.03	3770502.00	0.00035	382952.03	3770502.00	0.00040
383002.03	3770502.00	0.00047	383052.03	3770502.00	0.00055
383102.03	3770502.00	0.00067	383152.03	3770502.00	0.00083
383202.03	3770502.00	0.00106	383252.03	3770502.00	0.00141
383302.03	3770502.00	0.00200	383352.03	3770502.00	0.00304
383402.03	3770502.00	0.00489	383452.03	3770502.00	0.00761
383502.03	3770502.00	0.01056	383552.03	3770502.00	0.01350
383602.03	3770502.00	0.01425	383652.03	3770502.00	0.00898
383702.03	3770502.00	0.00559	383752.03	3770502.00	0.00383
383802.03	3770502.00	0.00275	383852.03	3770502.00	0.00200
383902.03	3770502.00	0.00146	383952.03	3770502.00	0.00110
384002.03	3770502.00	0.00085	384052.03	3770502.00	0.00067
384102.03	3770502.00	0.00055	384152.03	3770502.00	0.00045
384202.03	3770502.00	0.00038	384252.03	3770502.00	0.00033
384302.03	3770502.00	0.00028	384352.03	3770502.00	0.00025
384402.03	3770502.00	0.00022	384452.03	3770502.00	0.00020
384502.03	3770502.00	0.00018	384552.03	3770502.00	0.00016
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	04/20/10
MODELOPTs:		* HRA - PM Diesel (Unmitigated)		***	11:23:25
CONC		DFAULT ELEV			PAGE 85
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULROUT ***					
INCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, L0000029, L0000030, . . . ,					
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
** CONC OF DPM IN MICROGRAMS/M**3 **					
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
384602.03	3770502.00	0.00015	384652.03	3770502.00	0.00013
384702.03	3770502.00	0.00012	382752.03	3770552.00	0.00024
382802.03	3770552.00	0.00027	382852.03	3770552.00	0.00030
382902.03	3770552.00	0.00035	382952.03	3770552.00	0.00040
383002.03	3770552.00	0.00047	383052.03	3770552.00	0.00056
383102.03	3770552.00	0.00068	383152.03	3770552.00	0.00085
383202.03	3770552.00	0.00109	383252.03	3770552.00	0.00148
383302.03	3770552.00	0.00213	383352.03	3770552.00	0.00340
383402.03	3770552.00	0.00637	383452.03	3770552.00	0.01468
383502.03	3770552.00	0.03226	383552.03	3770552.00	0.06246
383602.03	3770552.00	0.03695	383652.03	3770552.00	0.02790
383702.03	3770552.00	0.01162	383752.03	3770552.00	0.00800
383802.03	3770552.00	0.00513	383852.03	3770552.00	0.00321
383902.03	3770552.00	0.00212	383952.03	3770552.00	0.00150
384002.03	3770552.00	0.00112	384052.03	3770552.00	0.00086
384102.03	3770552.00	0.00068	384152.03	3770552.00	0.00056
384202.03	3770552.00	0.00046	384252.03	3770552.00	0.00039
384302.03	3770552.00	0.00033	384352.03	3770552.00	0.00029
384402.03	3770552.00	0.00025	384452.03	3770552.00	0.00022
384502.03	3770552.00	0.00020	384552.03	3770552.00	0.00018
384602.03	3770552.00	0.00016	384652.03	3770552.00	0.00015
384702.03	3770552.00	0.00014	382752.03	3770602.00	0.00023
382802.03	3770602.00	0.00026	382852.03	3770602.00	0.00029
382902.03	3770602.00	0.00033	382952.03	3770602.00	0.00039
383002.03	3770602.00	0.00045	383052.03	3770602.00	0.00054
383102.03	3770602.00	0.00066	383152.03	3770602.00	0.00082
383202.03	3770602.00	0.00106	383252.03	3770602.00	0.00145
383302.03	3770602.00	0.00210	383352.03	3770602.00	0.00339
383402.03	3770602.00	0.00675	383452.03	3770602.00	0.02433
383502.03	3770602.00	0.08387	383552.03	3770602.00	0.07282
383602.03	3770602.00	0.05577	383652.03	3770602.00	0.04100
383702.03	3770602.00	0.02502	383752.03	3770602.00	0.03202
383802.03	3770602.00	0.01337	383852.03	3770602.00	0.00562
383902.03	3770602.00	0.00322	383952.03	3770602.00	0.00211
384002.03	3770602.00	0.00150	384052.03	3770602.00	0.00112
384102.03	3770602.00	0.00086	384152.03	3770602.00	0.00069
384202.03	3770602.00	0.00056	384252.03	3770602.00	0.00047
384302.03	3770602.00	0.00039	384352.03	3770602.00	0.00034
384402.03	3770602.00	0.00029	384452.03	3770602.00	0.00026
384502.03	3770602.00	0.00023	384552.03	3770602.00	0.00020
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	04/20/10
MODELOPTs:		* HRA - PM Diesel (Unmitigated)		***	11:23:25
CONC		DFAULT ELEV			PAGE 86
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULROUT ***					
INCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, L0000029, L0000030, . . . ,					
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
** CONC OF DPM IN MICROGRAMS/M**3 **					
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
384602.03	3770602.00	0.00018	384652.03	3770602.00	0.00017
384702.03	3770602.00	0.00015	382752.03	3770652.00	0.00022
382802.03	3770652.00	0.00025	382852.03	3770652.00	0.00028
382902.03	3770652.00	0.00031	382952.03	3770652.00	0.00036
383002.03	3770652.00	0.00042	383052.03	3770652.00	0.00050

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

383102.03	3770652.00	0.00061	383152.03	3770652.00	0.00076
383202.03	3770652.00	0.00097	383252.03	3770652.00	0.00131
383302.03	3770652.00	0.00187	383352.03	3770652.00	0.00292
383402.03	3770652.00	0.00533	383452.03	3770652.00	0.01363
383502.03	3770652.00	0.05539	383552.03	3770652.00	0.09171
383602.03	3770652.00	0.05911	383652.03	3770652.00	0.05747
383702.03	3770652.00	0.03810	383802.03	3770652.00	0.03351
383852.03	3770652.00	0.00943	383902.03	3770652.00	0.00474
383952.03	3770652.00	0.00291	384002.03	3770652.00	0.00198
384052.03	3770652.00	0.00143	384102.03	3770652.00	0.00109
384152.03	3770652.00	0.00085	384202.03	3770652.00	0.00068
384252.03	3770652.00	0.00056	384302.03	3770652.00	0.00047
384352.03	3770652.00	0.00040	384402.03	3770652.00	0.00034
384452.03	3770652.00	0.00030	384502.03	3770652.00	0.00026
384552.03	3770652.00	0.00023	384602.03	3770652.00	0.00021
382752.03	3770702.00	0.00021	382802.03	3770702.00	0.00023
382852.03	3770702.00	0.00026	382902.03	3770702.00	0.00029
382952.03	3770702.00	0.00033	383002.03	3770702.00	0.00039
383052.03	3770702.00	0.00046	383102.03	3770702.00	0.00055
383152.03	3770702.00	0.00068	383202.03	3770702.00	0.00086
383252.03	3770702.00	0.00113	383302.03	3770702.00	0.00157
383352.03	3770702.00	0.00232	383402.03	3770702.00	0.00380
383452.03	3770702.00	0.00745	383502.03	3770702.00	0.01646
383552.03	3770702.00	0.03129	383602.03	3770702.00	0.03610
383652.03	3770702.00	0.01201	383702.03	3770702.00	0.00608
383952.03	3770702.00	0.00369	384002.03	3770702.00	0.00247
384052.03	3770702.00	0.00176	384102.03	3770702.00	0.00132
384152.03	3770702.00	0.00102	384202.03	3770702.00	0.00081
384252.03	3770702.00	0.00066	384302.03	3770702.00	0.00055
384352.03	3770702.00	0.00046	384402.03	3770702.00	0.00040
384452.03	3770702.00	0.00034	384502.03	3770702.00	0.00030
384552.03	3770702.00	0.00026	384602.03	3770702.00	0.00023
384652.03	3770702.00	0.00021	384702.03	3770702.00	0.00019
382752.03	3770752.00	0.00019	382802.03	3770752.00	0.00021
*** AERMOD - VERSION 07026 ***			*** Echo Park Lake Rehabilitation		
			*** HRA - PM Diesel (Unmitigated)		
***			***		
04/20/10			11:23:25		
PAGE 87					
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULROUT ***					
INCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, L0000029, L0000030, . . . ,					
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
** CONC OF DPM IN MICROGRAMS/M**3 **					
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
382852.03	3770752.00	0.00024	382902.03	3770752.00	0.00027
382952.03	3770752.00	0.00030	383002.03	3770752.00	0.00035
383052.03	3770752.00	0.00041	383102.03	3770752.00	0.00049
383152.03	3770752.00	0.00060	383202.03	3770752.00	0.00075
383252.03	3770752.00	0.00097	383302.03	3770752.00	0.00130
383352.03	3770752.00	0.00184	383402.03	3770752.00	0.00279
383452.03	3770752.00	0.00478	383502.03	3770752.00	0.00871
383552.03	3770752.00	0.01512	383602.03	3770752.00	0.03386
383652.03	3770752.00	0.01269	383702.03	3770752.00	0.00677
383952.03	3770752.00	0.00420	384002.03	3770752.00	0.00284
384052.03	3770752.00	0.00204	384102.03	3770752.00	0.00153
384152.03	3770752.00	0.00118	384202.03	3770752.00	0.00094
384252.03	3770752.00	0.00076	384302.03	3770752.00	0.00063
384352.03	3770752.00	0.00053	384402.03	3770752.00	0.00045
384452.03	3770752.00	0.00039	384502.03	3770752.00	0.00034
384552.03	3770752.00	0.00030	384602.03	3770752.00	0.00026
384652.03	3770752.00	0.00023	384702.03	3770752.00	0.00021
382752.03	3770802.00	0.00018	382802.03	3770802.00	0.00019
382852.03	3770802.00	0.00022	382902.03	3770802.00	0.00024
382952.03	3770802.00	0.00028	383002.03	3770802.00	0.00032
383052.03	3770802.00	0.00038	383102.03	3770802.00	0.00044
383152.03	3770802.00	0.00054	383202.03	3770802.00	0.00066
383252.03	3770802.00	0.00084	383302.03	3770802.00	0.00109
383352.03	3770802.00	0.00148	383402.03	3770802.00	0.00214
383452.03	3770802.00	0.00337	383502.03	3770802.00	0.00549
383552.03	3770802.00	0.00866	383602.03	3770802.00	0.03114
383852.03	3770802.00	0.01245	383902.03	3770802.00	0.00693
383952.03	3770802.00	0.00442	384002.03	3770802.00	0.00305
384052.03	3770802.00	0.00222	384102.03	3770802.00	0.00167
384152.03	3770802.00	0.00130	384202.03	3770802.00	0.00104
384252.03	3770802.00	0.00084	384302.03	3770802.00	0.00070
384352.03	3770802.00	0.00059	384402.03	3770802.00	0.00050
384452.03	3770802.00	0.00043	384502.03	3770802.00	0.00037
384552.03	3770802.00	0.00033	384602.03	3770802.00	0.00029
384652.03	3770802.00	0.00026	384702.03	3770802.00	0.00023
382752.03	3770852.00	0.00016	382802.03	3770852.00	0.00018
382852.03	3770852.00	0.00020	382902.03	3770852.00	0.00023
382952.03	3770852.00	0.00026	383002.03	3770852.00	0.00029
383052.03	3770852.00	0.00034	383102.03	3770852.00	0.00040
383152.03	3770852.00	0.00048	383202.03	3770852.00	0.00058
*** AERMOD - VERSION 07026 ***			*** Echo Park Lake Rehabilitation		
			*** HRA - PM Diesel (Unmitigated)		
***			***		
04/20/10			11:23:25		
PAGE 88					
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULROUT ***					
INCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, L0000029, L0000030, . . . ,					
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
** CONC OF DPM IN MICROGRAMS/M**3 **					
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
383252.03	3770852.00	0.00072	383302.03	3770852.00	0.00092
383352.03	3770852.00	0.00122	383402.03	3770852.00	0.00171
383452.03	3770852.00	0.00254	383502.03	3770852.00	0.00388
383552.03	3770852.00	0.00582	383602.03	3770852.00	0.02873
383852.03	3770852.00	0.01195	383902.03	3770852.00	0.00682
383952.03	3770852.00	0.00444	384002.03	3770852.00	0.00311
384052.03	3770852.00	0.00230	384102.03	3770852.00	0.00175

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

384152.03	3770852.00	0.00138	384202.03	3770852.00	0.00111
384252.03	3770852.00	0.00090	384302.03	3770852.00	0.00075
384352.03	3770852.00	0.00063	384402.03	3770852.00	0.00054
384452.03	3770852.00	0.00046	384502.03	3770852.00	0.00040
384552.03	3770852.00	0.00036	384602.03	3770852.00	0.00031
384652.03	3770852.00	0.00028	384702.03	3770852.00	0.00025
382752.03	3770902.00	0.00015	382802.03	3770902.00	0.00017
382852.03	3770902.00	0.00019	382902.03	3770902.00	0.00021
382952.03	3770902.00	0.00023	383002.03	3770902.00	0.00027
383052.03	3770902.00	0.00031	383102.03	3770902.00	0.00036
383152.03	3770902.00	0.00043	383202.03	3770902.00	0.00051
383252.03	3770902.00	0.00063	383302.03	3770902.00	0.00079
383352.03	3770902.00	0.00103	383402.03	3770902.00	0.00139
383452.03	3770902.00	0.00199	383502.03	3770902.00	0.00292
383552.03	3770902.00	0.00426	383602.03	3770902.00	0.02744
383852.03	3770902.00	0.01158	383902.03	3770902.00	0.00663
383952.03	3770902.00	0.00435	384002.03	3770902.00	0.00309
384052.03	3770902.00	0.00231	384102.03	3770902.00	0.00178
384152.03	3770902.00	0.00141	384202.03	3770902.00	0.00114
384252.03	3770902.00	0.00094	384302.03	3770902.00	0.00079
384352.03	3770902.00	0.00066	384402.03	3770902.00	0.00057
384452.03	3770902.00	0.00049	384502.03	3770902.00	0.00043
384552.03	3770902.00	0.00038	384602.03	3770902.00	0.00033
384652.03	3770902.00	0.00030	384702.03	3770902.00	0.00027
382752.03	3770952.00	0.00014	382802.03	3770952.00	0.00016
382852.03	3770952.00	0.00017	382902.03	3770952.00	0.00019
382952.03	3770952.00	0.00022	383002.03	3770952.00	0.00024
383052.03	3770952.00	0.00028	383102.03	3770952.00	0.00032
383152.03	3770952.00	0.00038	383202.03	3770952.00	0.00045
383252.03	3770952.00	0.00055	383302.03	3770952.00	0.00068
383352.03	3770952.00	0.00086	383402.03	3770952.00	0.00115
383452.03	3770952.00	0.00160	383502.03	3770952.00	0.00228
383552.03	3770952.00	0.00324	383602.03	3770952.00	0.03403
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	04/20/10
		*** HRA - PM Diesel (Unmitigated)		***	11:23:25
**MODELOPTs:				PAGE 89	
CONC		DFAULT ELEV			
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULROUT ***					
INCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, L0000029, L0000030, . . . ,					
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
** CONC OF DPM IN MICROGRAMS/M**3 **					
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
383852.03	3770952.00	0.01181	383902.03	3770952.00	0.00648
383952.03	3770952.00	0.00422	384002.03	3770952.00	0.00301
384052.03	3770952.00	0.00227	384102.03	3770952.00	0.00177
384152.03	3770952.00	0.00141	384202.03	3770952.00	0.00115
384252.03	3770952.00	0.00096	384302.03	3770952.00	0.00080
384352.03	3770952.00	0.00068	384402.03	3770952.00	0.00059
384452.03	3770952.00	0.00051	384502.03	3770952.00	0.00045
384552.03	3770952.00	0.00039	384602.03	3770952.00	0.00035
384652.03	3770952.00	0.00031	384702.03	3770952.00	0.00028
382752.03	3771002.00	0.00013	382802.03	3771002.00	0.00014
382852.03	3771002.00	0.00016	382902.03	3771002.00	0.00018
382952.03	3771002.00	0.00020	383002.03	3771002.00	0.00022
383052.03	3771002.00	0.00025	383102.03	3771002.00	0.00029
383152.03	3771002.00	0.00034	383202.03	3771002.00	0.00040
383252.03	3771002.00	0.00047	383302.03	3771002.00	0.00058
383352.03	3771002.00	0.00073	383402.03	3771002.00	0.00096
383452.03	3771002.00	0.00130	383502.03	3771002.00	0.00180
383552.03	3771002.00	0.00249	383602.03	3771002.00	0.03485
383852.03	3771002.00	0.01191	383902.03	3771002.00	0.00619
383952.03	3771002.00	0.00401	384002.03	3771002.00	0.00287
384052.03	3771002.00	0.00218	384102.03	3771002.00	0.00171
384152.03	3771002.00	0.00139	384202.03	3771002.00	0.00114
384252.03	3771002.00	0.00095	384302.03	3771002.00	0.00081
384352.03	3771002.00	0.00069	384402.03	3771002.00	0.00060
384452.03	3771002.00	0.00052	384502.03	3771002.00	0.00046
384552.03	3771002.00	0.00040	384602.03	3771002.00	0.00036
384652.03	3771002.00	0.00032	384702.03	3771002.00	0.00029
382752.03	3771052.00	0.00012	382802.03	3771052.00	0.00014
382852.03	3771052.00	0.00015	382902.03	3771052.00	0.00016
382952.03	3771052.00	0.00018	383002.03	3771052.00	0.00020
383052.03	3771052.00	0.00023	383102.03	3771052.00	0.00026
383152.03	3771052.00	0.00030	383202.03	3771052.00	0.00035
383252.03	3771052.00	0.00041	383302.03	3771052.00	0.00050
383352.03	3771052.00	0.00062	383402.03	3771052.00	0.00080
383452.03	3771052.00	0.00106	383502.03	3771052.00	0.00144
383552.03	3771052.00	0.00194	383602.03	3771052.00	0.00884
383902.03	3771052.00	0.00528	383952.03	3771052.00	0.00358
384002.03	3771052.00	0.00263	384052.03	3771052.00	0.00203
384102.03	3771052.00	0.00162	384152.03	3771052.00	0.00133
384202.03	3771052.00	0.00110	384252.03	3771052.00	0.00093
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	04/20/10
		*** HRA - PM Diesel (Unmitigated)		***	11:23:25
**MODELOPTs:				PAGE 90	
CONC		DFAULT ELEV			
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULROUT ***					
INCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, L0000029, L0000030, . . . ,					
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
** CONC OF DPM IN MICROGRAMS/M**3 **					
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
384302.03	3771052.00	0.00079	384352.03	3771052.00	0.00068
384402.03	3771052.00	0.00059	384452.03	3771052.00	0.00052
384502.03	3771052.00	0.00046	384552.03	3771052.00	0.00041
384602.03	3771052.00	0.00036	384652.03	3771052.00	0.00033
384702.03	3771052.00	0.00030	382752.03	3771102.00	0.00012
382802.03	3771102.00	0.00013	382852.03	3771102.00	0.00014
382902.03	3771102.00	0.00015	382952.03	3771102.00	0.00017
383002.03	3771102.00	0.00019	383052.03	3771102.00	0.00021
383102.03	3771102.00	0.00023	383152.03	3771102.00	0.00027

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

383202.03	3771102.00	0.00031	383252.03	3771102.00	0.00037
383302.03	3771102.00	0.00044	383352.03	3771102.00	0.00054
383402.03	3771102.00	0.00068	383452.03	3771102.00	0.00089
383502.03	3771102.00	0.00117	383552.03	3771102.00	0.00154
383852.03	3771102.00	0.00567	383902.03	3771102.00	0.00408
383952.03	3771102.00	0.00300	384002.03	3771102.00	0.00230
384052.03	3771102.00	0.00182	384102.03	3771102.00	0.00149
384152.03	3771102.00	0.00124	384202.03	3771102.00	0.00104
384252.03	3771102.00	0.00089	384302.03	3771102.00	0.00077
384352.03	3771102.00	0.00067	384402.03	3771102.00	0.00058
384452.03	3771102.00	0.00052	384502.03	3771102.00	0.00046
384552.03	3771102.00	0.00041	384602.03	3771102.00	0.00037
384652.03	3771102.00	0.00033	384702.03	3771102.00	0.00030
382752.03	3771152.00	0.00011	382802.03	3771152.00	0.00012
382852.03	3771152.00	0.00013	382902.03	3771152.00	0.00014
382952.03	3771152.00	0.00015	383002.03	3771152.00	0.00017
383052.03	3771152.00	0.00019	383102.03	3771152.00	0.00021
383152.03	3771152.00	0.00024	383202.03	3771152.00	0.00028
383252.03	3771152.00	0.00033	383302.03	3771152.00	0.00039
383352.03	3771152.00	0.00047	383402.03	3771152.00	0.00059
383452.03	3771152.00	0.00075	383502.03	3771152.00	0.00097
383552.03	3771152.00	0.00125	383902.03	3771152.00	0.00312
383952.03	3771152.00	0.00245	384002.03	3771152.00	0.00196
384052.03	3771152.00	0.00160	384102.03	3771152.00	0.00133
384152.03	3771152.00	0.00113	384202.03	3771152.00	0.00097
384252.03	3771152.00	0.00084	384302.03	3771152.00	0.00073
384352.03	3771152.00	0.00064	384402.03	3771152.00	0.00057
384452.03	3771152.00	0.00050	384502.03	3771152.00	0.00045
384552.03	3771152.00	0.00040	384602.03	3771152.00	0.00036
384652.03	3771152.00	0.00033	384702.03	3771152.00	0.00030
382752.03	3771202.00	0.00010	382802.03	3771202.00	0.00011
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	04/20/10
MODELOPTS:		* HRA - PM Diesel (Unmitigated)		***	11:23:25
CONC		DFAULT ELEV		PAGE 91	

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULROUT ***					
INCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, L0000029, L0000030, . . . ,					
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
** CONC OF DPM IN MICROGRAMS/M**3 **					
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
382852.03	3771202.00	0.00012	382902.03	3771202.00	0.00013
382952.03	3771202.00	0.00014	383002.03	3771202.00	0.00016
383052.03	3771202.00	0.00018	383102.03	3771202.00	0.00020
383152.03	3771202.00	0.00022	383202.03	3771202.00	0.00025
383252.03	3771202.00	0.00029	383302.03	3771202.00	0.00034
383352.03	3771202.00	0.00041	383402.03	3771202.00	0.00051
383452.03	3771202.00	0.00064	383502.03	3771202.00	0.00081
383552.03	3771202.00	0.00103	383852.03	3771202.00	0.00285
383902.03	3771202.00	0.00244	383952.03	3771202.00	0.00201
384002.03	3771202.00	0.00166	384052.03	3771202.00	0.00138
384102.03	3771202.00	0.00118	384152.03	3771202.00	0.00101
384202.03	3771202.00	0.00088	384252.03	3771202.00	0.00078
384302.03	3771202.00	0.00069	384352.03	3771202.00	0.00061
384402.03	3771202.00	0.00054	384452.03	3771202.00	0.00049
384502.03	3771202.00	0.00044	384552.03	3771202.00	0.00039
384602.03	3771202.00	0.00036	384652.03	3771202.00	0.00032
384702.03	3771202.00	0.00030	382752.03	3771252.00	0.00010
382802.03	3771252.00	0.00011	382852.03	3771252.00	0.00011
382902.03	3771252.00	0.00012	382952.03	3771252.00	0.00013
383002.03	3771252.00	0.00015	383052.03	3771252.00	0.00016
383102.03	3771252.00	0.00018	383152.03	3771252.00	0.00020
383202.03	3771252.00	0.00023	383252.03	3771252.00	0.00026
383302.03	3771252.00	0.00031	383352.03	3771252.00	0.00037
383402.03	3771252.00	0.00045	383452.03	3771252.00	0.00056
383502.03	3771252.00	0.00070	383552.03	3771252.00	0.00087
383752.03	3771252.00	0.00198	383802.03	3771252.00	0.00222
383852.03	3771252.00	0.00221	383902.03	3771252.00	0.00197
383952.03	3771252.00	0.00168	384002.03	3771252.00	0.00141
384052.03	3771252.00	0.00120	384102.03	3771252.00	0.00104
384152.03	3771252.00	0.00091	384202.03	3771252.00	0.00080
384252.03	3771252.00	0.00071	384302.03	3771252.00	0.00064
384352.03	3771252.00	0.00057	384402.03	3771252.00	0.00052
384452.03	3771252.00	0.00047	384502.03	3771252.00	0.00042
384552.03	3771252.00	0.00038	384602.03	3771252.00	0.00035
384652.03	3771252.00	0.00032	384702.03	3771252.00	0.00029
382752.03	3771302.00	0.00009	382802.03	3771302.00	0.00010
382852.03	3771302.00	0.00011	382902.03	3771302.00	0.00012
382952.03	3771302.00	0.00013	383002.03	3771302.00	0.00014
383052.03	3771302.00	0.00015	383102.03	3771302.00	0.00017
383152.03	3771302.00	0.00019	383202.03	3771302.00	0.00021
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	04/20/10
MODELOPTS:		* HRA - PM Diesel (Unmitigated)		***	11:23:25
CONC		DFAULT ELEV		PAGE 92	

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULROUT ***					
INCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, L0000029, L0000030, . . . ,					
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
** CONC OF DPM IN MICROGRAMS/M**3 **					
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
383252.03	3771302.00	0.00024	383302.03	3771302.00	0.00028
383352.03	3771302.00	0.00033	383402.03	3771302.00	0.00040
383452.03	3771302.00	0.00049	383502.03	3771302.00	0.00060
383552.03	3771302.00	0.00074	383702.03	3771302.00	0.00134
383752.03	3771302.00	0.00159	383802.03	3771302.00	0.00176
383852.03	3771302.00	0.00177	383902.03	3771302.00	0.00163
383952.03	3771302.00	0.00143	384002.03	3771302.00	0.00123
384052.03	3771302.00	0.00105	384102.03	3771302.00	0.00092
384152.03	3771302.00	0.00081	384202.03	3771302.00	0.00072
384252.03	3771302.00	0.00065	384302.03	3771302.00	0.00059
384352.03	3771302.00	0.00053	384402.03	3771302.00	0.00049

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

384452.03	3771302.00	0.00044	384502.03	3771302.00	0.00040
384552.03	3771302.00	0.00037	384602.03	3771302.00	0.00034
384652.03	3771302.00	0.00031	384702.03	3771302.00	0.00028
382752.03	3771352.00	0.00009	382802.03	3771352.00	0.00009
382852.03	3771352.00	0.00010	382902.03	3771352.00	0.00011
382952.03	3771352.00	0.00012	383002.03	3771352.00	0.00013
383052.03	3771352.00	0.00014	383102.03	3771352.00	0.00016
383152.03	3771352.00	0.00017	383202.03	3771352.00	0.00019
383252.03	3771352.00	0.00022	383302.03	3771352.00	0.00025
383352.03	3771352.00	0.00030	383402.03	3771352.00	0.00036
383452.03	3771352.00	0.00043	383502.03	3771352.00	0.00053
383552.03	3771352.00	0.00065	383602.03	3771352.00	0.00078
383652.03	3771352.00	0.00094	383702.03	3771352.00	0.00113
383752.03	3771352.00	0.00131	383802.03	3771352.00	0.00144
383852.03	3771352.00	0.00146	383902.03	3771352.00	0.00138
383952.03	3771352.00	0.00124	384002.03	3771352.00	0.00108
384052.03	3771352.00	0.00094	384102.03	3771352.00	0.00082
384152.03	3771352.00	0.00073	384202.03	3771352.00	0.00065
384252.03	3771352.00	0.00059	384302.03	3771352.00	0.00054
384352.03	3771352.00	0.00050	384402.03	3771352.00	0.00045
384452.03	3771352.00	0.00042	384502.03	3771352.00	0.00038
384552.03	3771352.00	0.00035	384602.03	3771352.00	0.00033
384652.03	3771352.00	0.00030	384702.03	3771352.00	0.00028
382752.03	3771402.00	0.00008	382802.03	3771402.00	0.00009
382852.03	3771402.00	0.00010	382902.03	3771402.00	0.00010
382952.03	3771402.00	0.00011	383002.03	3771402.00	0.00012
383052.03	3771402.00	0.00013	383102.03	3771402.00	0.00014
383152.03	3771402.00	0.00016	383202.03	3771402.00	0.00018
383252.03	3771402.00	0.00020	383302.03	3771402.00	0.00023
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	
		*** HRA - PM Diesel (Unmitigated)		***	
04/20/10					
11:23:25					
PAGE 93					
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULROUT ***					
INCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, L0000029, L0000030, . . .					
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
** CONC OF DPM IN MICROGRAMS/M**3 **					
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
383352.03	3771402.00	0.00027	383402.03	3771402.00	0.00032
383452.03	3771402.00	0.00039	383502.03	3771402.00	0.00047
383552.03	3771402.00	0.00057	383602.03	3771402.00	0.00068
383652.03	3771402.00	0.00082	383702.03	3771402.00	0.00096
383752.03	3771402.00	0.00110	383802.03	3771402.00	0.00120
383852.03	3771402.00	0.00123	383902.03	3771402.00	0.00118
383952.03	3771402.00	0.00108	384002.03	3771402.00	0.00096
384052.03	3771402.00	0.00084	384102.03	3771402.00	0.00074
384152.03	3771402.00	0.00066	384202.03	3771402.00	0.00059
384252.03	3771402.00	0.00054	384302.03	3771402.00	0.00050
384352.03	3771402.00	0.00046	384402.03	3771402.00	0.00042
384452.03	3771402.00	0.00039	384502.03	3771402.00	0.00036
384552.03	3771402.00	0.00034	384602.03	3771402.00	0.00031
384652.03	3771402.00	0.00029	384702.03	3771402.00	0.00027
382752.03	3771452.00	0.00008	382802.03	3771452.00	0.00009
382852.03	3771452.00	0.00009	382902.03	3771452.00	0.00010
382952.03	3771452.00	0.00011	383002.03	3771452.00	0.00011
383052.03	3771452.00	0.00012	383102.03	3771452.00	0.00014
383152.03	3771452.00	0.00015	383202.03	3771452.00	0.00017
383252.03	3771452.00	0.00019	383302.03	3771452.00	0.00021
383352.03	3771452.00	0.00025	383402.03	3771452.00	0.00029
383452.03	3771452.00	0.00035	383502.03	3771452.00	0.00042
383552.03	3771452.00	0.00050	383602.03	3771452.00	0.00060
383652.03	3771452.00	0.00071	383702.03	3771452.00	0.00083
383752.03	3771452.00	0.00094	383802.03	3771452.00	0.00103
383852.03	3771452.00	0.00106	383902.03	3771452.00	0.00103
383952.03	3771452.00	0.00096	384002.03	3771452.00	0.00086
384052.03	3771452.00	0.00076	384102.03	3771452.00	0.00068
384152.03	3771452.00	0.00060	384202.03	3771452.00	0.00054
384252.03	3771452.00	0.00049	384302.03	3771452.00	0.00046
384352.03	3771452.00	0.00042	384402.03	3771452.00	0.00039
384452.03	3771452.00	0.00037	384502.03	3771452.00	0.00034
384552.03	3771452.00	0.00032	384602.03	3771452.00	0.00030
384652.03	3771452.00	0.00028	384702.03	3771452.00	0.00026
382752.03	3771502.00	0.00008	382802.03	3771502.00	0.00008
382852.03	3771502.00	0.00009	382902.03	3771502.00	0.00009
382952.03	3771502.00	0.00010	383002.03	3771502.00	0.00011
383052.03	3771502.00	0.00012	383102.03	3771502.00	0.00013
383152.03	3771502.00	0.00014	383202.03	3771502.00	0.00016
383252.03	3771502.00	0.00017	383302.03	3771502.00	0.00020
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	
		*** HRA - PM Diesel (Unmitigated)		***	
04/20/10					
11:23:25					
PAGE 94					
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULROUT ***					
INCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, L0000029, L0000030, . . .					
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
** CONC OF DPM IN MICROGRAMS/M**3 **					
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
383352.03	3771502.00	0.00023	383402.03	3771502.00	0.00027
383452.03	3771502.00	0.00032	383502.03	3771502.00	0.00038
383552.03	3771502.00	0.00045	383602.03	3771502.00	0.00054
383652.03	3771502.00	0.00063	383702.03	3771502.00	0.00073
383752.03	3771502.00	0.00082	383802.03	3771502.00	0.00089
383852.03	3771502.00	0.00092	383902.03	3771502.00	0.00091
383952.03	3771502.00	0.00085	384002.03	3771502.00	0.00078
384052.03	3771502.00	0.00070	384102.03	3771502.00	0.00062
384152.03	3771502.00	0.00056	384202.03	3771502.00	0.00050
384252.03	3771502.00	0.00046	384302.03	3771502.00	0.00042
384352.03	3771502.00	0.00039	384402.03	3771502.00	0.00037
384452.03	3771502.00	0.00034	384502.03	3771502.00	0.00032
384552.03	3771502.00	0.00030	384602.03	3771502.00	0.00029

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

384652.03	3771502.00	0.00027	384702.03	3771502.00	0.00025
382752.03	3771552.00	0.00007	382802.03	3771552.00	0.00008
382852.03	3771552.00	0.00008	382902.03	3771552.00	0.00009
382952.03	3771552.00	0.00010	383002.03	3771552.00	0.00010
383052.03	3771552.00	0.00011	383102.03	3771552.00	0.00012
383152.03	3771552.00	0.00013	383202.03	3771552.00	0.00015
383252.03	3771552.00	0.00016	383302.03	3771552.00	0.00019
383352.03	3771552.00	0.00021	383402.03	3771552.00	0.00025
383452.03	3771552.00	0.00029	383502.03	3771552.00	0.00035
383552.03	3771552.00	0.00041	383602.03	3771552.00	0.00048
383652.03	3771552.00	0.00056	383702.03	3771552.00	0.00065
383752.03	3771552.00	0.00072	383802.03	3771552.00	0.00078
383852.03	3771552.00	0.00081	383902.03	3771552.00	0.00081
383952.03	3771552.00	0.00077	384002.03	3771552.00	0.00071
384052.03	3771552.00	0.00064	384102.03	3771552.00	0.00058
384152.03	3771552.00	0.00052	384202.03	3771552.00	0.00047
384252.03	3771552.00	0.00042	384302.03	3771552.00	0.00039
384352.03	3771552.00	0.00036	384402.03	3771552.00	0.00034
384452.03	3771552.00	0.00032	384502.03	3771552.00	0.00030
384552.03	3771552.00	0.00029	384602.03	3771552.00	0.00027
384652.03	3771552.00	0.00026	384702.03	3771552.00	0.00024
382752.03	3771602.00	0.00007	382802.03	3771602.00	0.00008
382852.03	3771602.00	0.00008	382902.03	3771602.00	0.00008
382952.03	3771602.00	0.00009	383002.03	3771602.00	0.00010
383052.03	3771602.00	0.00010	383102.03	3771602.00	0.00011
383152.03	3771602.00	0.00012	383202.03	3771602.00	0.00014
383252.03	3771602.00	0.00015	383302.03	3771602.00	0.00017
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	
*** HRA - PM Diesel (Unmitigated)				***	
**MODELPTs:				04/20/10	
CONC				11:23:25	
DFAULT ELEV				PAGE 95	
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULROUT ***					
INCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, L0000029, L0000030, . . . ,					
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
** CONC OF DPM IN MICROGRAMS/M**3 **					
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
383352.03	3771602.00	0.00020	383402.03	3771602.00	0.00023
383452.03	3771602.00	0.00027	383502.03	3771602.00	0.00032
383552.03	3771602.00	0.00037	383602.03	3771602.00	0.00044
383652.03	3771602.00	0.00051	383702.03	3771602.00	0.00058
383752.03	3771602.00	0.00064	383802.03	3771602.00	0.00070
383852.03	3771602.00	0.00072	383902.03	3771602.00	0.00072
383952.03	3771602.00	0.00070	384002.03	3771602.00	0.00065
384052.03	3771602.00	0.00060	384102.03	3771602.00	0.00054
384152.03	3771602.00	0.00049	384202.03	3771602.00	0.00044
384252.03	3771602.00	0.00040	384302.03	3771602.00	0.00037
384352.03	3771602.00	0.00034	384402.03	3771602.00	0.00032
384452.03	3771602.00	0.00030	384502.03	3771602.00	0.00029
384552.03	3771602.00	0.00027	384602.03	3771602.00	0.00026
384652.03	3771602.00	0.00025	384702.03	3771602.00	0.00023
382752.03	3771652.00	0.00007	382802.03	3771652.00	0.00007
382852.03	3771652.00	0.00008	382902.03	3771652.00	0.00008
382952.03	3771652.00	0.00009	383002.03	3771652.00	0.00009
383052.03	3771652.00	0.00010	383102.03	3771652.00	0.00011
383152.03	3771652.00	0.00012	383202.03	3771652.00	0.00013
383252.03	3771652.00	0.00014	383302.03	3771652.00	0.00016
383352.03	3771652.00	0.00019	383402.03	3771652.00	0.00021
383452.03	3771652.00	0.00025	383502.03	3771652.00	0.00029
383552.03	3771652.00	0.00034	383602.03	3771652.00	0.00040
383652.03	3771652.00	0.00046	383702.03	3771652.00	0.00052
383752.03	3771652.00	0.00058	383802.03	3771652.00	0.00062
383852.03	3771652.00	0.00065	383902.03	3771652.00	0.00065
383952.03	3771652.00	0.00063	384002.03	3771652.00	0.00060
384052.03	3771652.00	0.00055	384102.03	3771652.00	0.00051
384152.03	3771652.00	0.00046	384202.03	3771652.00	0.00041
384252.03	3771652.00	0.00038	384302.03	3771652.00	0.00034
384352.03	3771652.00	0.00032	384402.03	3771652.00	0.00030
384452.03	3771652.00	0.00028	384502.03	3771652.00	0.00027
384552.03	3771652.00	0.00026	384602.03	3771652.00	0.00025
384652.03	3771652.00	0.00023	384702.03	3771652.00	0.00022
382752.03	3771702.00	0.00007	382802.03	3771702.00	0.00007
382852.03	3771702.00	0.00007	382902.03	3771702.00	0.00008
382952.03	3771702.00	0.00008	383002.03	3771702.00	0.00009
383052.03	3771702.00	0.00010	383102.03	3771702.00	0.00010
383152.03	3771702.00	0.00011	383202.03	3771702.00	0.00012
383252.03	3771702.00	0.00014	383302.03	3771702.00	0.00015
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	
*** HRA - PM Diesel (Unmitigated)				***	
**MODELPTs:				04/20/10	
CONC				11:23:25	
DFAULT ELEV				PAGE 96	
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULROUT ***					
INCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, L0000029, L0000030, . . . ,					
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
** CONC OF DPM IN MICROGRAMS/M**3 **					
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
383352.03	3771702.00	0.00018	383402.03	3771702.00	0.00020
383452.03	3771702.00	0.00023	383502.03	3771702.00	0.00027
383552.03	3771702.00	0.00031	383602.03	3771702.00	0.00036
383652.03	3771702.00	0.00042	383702.03	3771702.00	0.00047
383752.03	3771702.00	0.00052	383802.03	3771702.00	0.00056
383852.03	3771702.00	0.00059	383902.03	3771702.00	0.00059
383952.03	3771702.00	0.00058	384002.03	3771702.00	0.00055
384052.03	3771702.00	0.00052	384102.03	3771702.00	0.00048
384152.03	3771702.00	0.00043	384202.03	3771702.00	0.00039
384252.03	3771702.00	0.00036	384302.03	3771702.00	0.00033
384352.03	3771702.00	0.00030	384402.03	3771702.00	0.00028
384452.03	3771702.00	0.00027	384502.03	3771702.00	0.00025
384552.03	3771702.00	0.00024	384602.03	3771702.00	0.00023
384652.03	3771702.00	0.00022	384702.03	3771702.00	0.00021
382752.03	3771752.00	0.00006	382802.03	3771752.00	0.00007

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

382852.03	3771752.00	0.00007	382902.03	3771752.00	0.00008
382952.03	3771752.00	0.00008	383002.03	3771752.00	0.00009
383052.03	3771752.00	0.00009	383102.03	3771752.00	0.00010
383152.03	3771752.00	0.00011	383202.03	3771752.00	0.00012
383252.03	3771752.00	0.00013	383302.03	3771752.00	0.00015
383352.03	3771752.00	0.00017	383402.03	3771752.00	0.00019
383452.03	3771752.00	0.00022	383502.03	3771752.00	0.00025
383552.03	3771752.00	0.00029	383602.03	3771752.00	0.00034
383652.03	3771752.00	0.00038	383702.03	3771752.00	0.00043
383752.03	3771752.00	0.00048	383802.03	3771752.00	0.00051
383852.03	3771752.00	0.00054	383902.03	3771752.00	0.00054
383952.03	3771752.00	0.00053	384002.03	3771752.00	0.00051
384052.03	3771752.00	0.00048	384102.03	3771752.00	0.00045
384152.03	3771752.00	0.00041	384202.03	3771752.00	0.00038
384252.03	3771752.00	0.00034	384302.03	3771752.00	0.00031
384352.03	3771752.00	0.00029	384402.03	3771752.00	0.00027
384452.03	3771752.00	0.00025	384502.03	3771752.00	0.00024
384552.03	3771752.00	0.00023	384602.03	3771752.00	0.00022
384652.03	3771752.00	0.00021	384702.03	3771752.00	0.00020
382752.03	3771802.00	0.00006	382802.03	3771802.00	0.00006
382852.03	3771802.00	0.00007	382902.03	3771802.00	0.00007
382952.03	3771802.00	0.00008	383002.03	3771802.00	0.00008
383052.03	3771802.00	0.00009	383102.03	3771802.00	0.00009
383152.03	3771802.00	0.00010	383202.03	3771802.00	0.00011
383252.03	3771802.00	0.00012	383302.03	3771802.00	0.00014
*** AERMOD - VERSION 07026 ***	*** Echo Park Lake Rehabilitation				
	*** HRA - PM Diesel (Unmitigated)				
**MODELOPTs:					04/20/10
CONC	DFAULT ELEV				11:23:25
					PAGE 97
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULROUT ***					
INCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, L0000029, L0000030, . . . ,					
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
** CONC OF DPM IN MICROGRAMS/M**3 **					
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
383352.03	3771802.00	0.00016	383402.03	3771802.00	0.00018
383452.03	3771802.00	0.00020	383502.03	3771802.00	0.00024
383552.03	3771802.00	0.00027	383602.03	3771802.00	0.00031
383652.03	3771802.00	0.00035	383702.03	3771802.00	0.00040
383752.03	3771802.00	0.00044	383802.03	3771802.00	0.00047
383852.03	3771802.00	0.00049	383902.03	3771802.00	0.00050
383952.03	3771802.00	0.00049	384002.03	3771802.00	0.00048
384052.03	3771802.00	0.00045	384102.03	3771802.00	0.00042
384152.03	3771802.00	0.00039	384202.03	3771802.00	0.00036
384252.03	3771802.00	0.00033	384302.03	3771802.00	0.00030
384352.03	3771802.00	0.00028	384402.03	3771802.00	0.00026
384452.03	3771802.00	0.00024	384502.03	3771802.00	0.00023
384552.03	3771802.00	0.00022	384602.03	3771802.00	0.00021
384652.03	3771802.00	0.00020	384702.03	3771802.00	0.00019
382752.03	3771852.00	0.00006	382802.03	3771852.00	0.00006
382852.03	3771852.00	0.00007	382902.03	3771852.00	0.00007
382952.03	3771852.00	0.00007	383002.03	3771852.00	0.00008
383052.03	3771852.00	0.00008	383102.03	3771852.00	0.00009
383152.03	3771852.00	0.00010	383202.03	3771852.00	0.00011
383252.03	3771852.00	0.00012	383302.03	3771852.00	0.00013
383352.03	3771852.00	0.00015	383402.03	3771852.00	0.00017
383452.03	3771852.00	0.00019	383502.03	3771852.00	0.00022
383552.03	3771852.00	0.00025	383602.03	3771852.00	0.00029
383652.03	3771852.00	0.00033	383702.03	3771852.00	0.00037
383752.03	3771852.00	0.00040	383802.03	3771852.00	0.00043
383852.03	3771852.00	0.00045	383902.03	3771852.00	0.00046
383952.03	3771852.00	0.00046	384002.03	3771852.00	0.00045
384052.03	3771852.00	0.00043	384102.03	3771852.00	0.00040
384152.03	3771852.00	0.00037	384202.03	3771852.00	0.00034
384252.03	3771852.00	0.00032	384302.03	3771852.00	0.00029
384352.03	3771852.00	0.00027	384402.03	3771852.00	0.00025
384452.03	3771852.00	0.00023	384502.03	3771852.00	0.00022
384552.03	3771852.00	0.00021	384602.03	3771852.00	0.00020
384652.03	3771852.00	0.00019	384702.03	3771852.00	0.00019
382752.03	3771902.00	0.00006	382802.03	3771902.00	0.00006
382852.03	3771902.00	0.00006	382902.03	3771902.00	0.00007
382952.03	3771902.00	0.00007	383002.03	3771902.00	0.00008
383052.03	3771902.00	0.00008	383102.03	3771902.00	0.00009
383152.03	3771902.00	0.00010	383202.03	3771902.00	0.00010
383252.03	3771902.00	0.00011	383302.03	3771902.00	0.00013
*** AERMOD - VERSION 07026 ***	*** Echo Park Lake Rehabilitation				
	*** HRA - PM Diesel (Unmitigated)				
**MODELOPTs:					04/20/10
CONC	DFAULT ELEV				11:23:25
					PAGE 98
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: HAULROUT ***					
INCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, L0000029, L0000030, . . . ,					
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
** CONC OF DPM IN MICROGRAMS/M**3 **					
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
383352.03	3771902.00	0.00014	383402.03	3771902.00	0.00016
383452.03	3771902.00	0.00018	383502.03	3771902.00	0.00021
383552.03	3771902.00	0.00024	383602.03	3771902.00	0.00027
383652.03	3771902.00	0.00031	383702.03	3771902.00	0.00034
383752.03	3771902.00	0.00037	383802.03	3771902.00	0.00040
383852.03	3771902.00	0.00042	383902.03	3771902.00	0.00043
383952.03	3771902.00	0.00043	384002.03	3771902.00	0.00042
384052.03	3771902.00	0.00040	384102.03	3771902.00	0.00038
384152.03	3771902.00	0.00036	384202.03	3771902.00	0.00033
384252.03	3771902.00	0.00031	384302.03	3771902.00	0.00028
384352.03	3771902.00	0.00026	384402.03	3771902.00	0.00024
384452.03	3771902.00	0.00022	384502.03	3771902.00	0.00021
384552.03	3771902.00	0.00020	384602.03	3771902.00	0.00019
384652.03	3771902.00	0.00018	384702.03	3771902.00	0.00018
*** AERMOD - VERSION 07026 ***	*** Echo Park Lake Rehabilitation				
	*** HRA - PM Diesel (Unmitigated)				
**MODELOPTs:					04/20/10
					11:23:25
					PAGE 99

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

CONC

DEFAULT ELEV

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): SITE , HAULIDLE, L0000001, L0000002, L0000003, L0000004, L0000005,
L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017,
L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM			IN MICROGRAMS/M**3			**		
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC			
383660.97	3771329.50	0.48835	383792.56	3770989.25	0.64267			
383667.38	3770537.25	0.11498	382752.03	3769952.00	0.02970			
382802.03	3769952.00	0.03162	382852.03	3769952.00	0.03340			
382902.03	3769952.00	0.03499	382952.03	3769952.00	0.03626			
383002.03	3769952.00	0.03714	383052.03	3769952.00	0.03750			
383102.03	3769952.00	0.03726	383152.03	3769952.00	0.03635			
383202.03	3769952.00	0.03475	383252.03	3769952.00	0.03251			
383302.03	3769952.00	0.02973	383352.03	3769952.00	0.02656			
383402.03	3769952.00	0.02323	383452.03	3769952.00	0.01995			
383502.03	3769952.00	0.01690	383552.03	3769952.00	0.01419			
383602.03	3769952.00	0.01187	383652.03	3769952.00	0.00992			
383702.03	3769952.00	0.00832	383752.03	3769952.00	0.00703			
383802.03	3769952.00	0.00602	383852.03	3769952.00	0.00527			
383902.03	3769952.00	0.00472	383952.03	3769952.00	0.00434			
384002.03	3769952.00	0.00408	384052.03	3769952.00	0.00387			
384102.03	3769952.00	0.00370	384152.03	3769952.00	0.00354			
384202.03	3769952.00	0.00338	384252.03	3769952.00	0.00322			
384302.03	3769952.00	0.00304	384352.03	3769952.00	0.00285			
384402.03	3769952.00	0.00266	384452.03	3769952.00	0.00248			
384502.03	3769952.00	0.00230	384552.03	3769952.00	0.00214			
384602.03	3769952.00	0.00199	384652.03	3769952.00	0.00185			
384702.03	3769952.00	0.00173	382752.03	3770002.00	0.02986			
382802.03	3770002.00	0.03206	382852.03	3770002.00	0.03420			
382902.03	3770002.00	0.03619	382952.03	3770002.00	0.03792			
383002.03	3770002.00	0.03929	383052.03	3770002.00	0.04015			
383102.03	3770002.00	0.04040	383152.03	3770002.00	0.03991			
383202.03	3770002.00	0.03863	383252.03	3770002.00	0.03655			
383302.03	3770002.00	0.03375	383352.03	3770002.00	0.03039			
383402.03	3770002.00	0.02670	383452.03	3770002.00	0.02294			
383502.03	3770002.00	0.01937	383552.03	3770002.00	0.01616			
383602.03	3770002.00	0.01338	383652.03	3770002.00	0.01106			
383702.03	3770002.00	0.00917	383752.03	3770002.00	0.00767			
383802.03	3770002.00	0.00652	383852.03	3770002.00	0.00567			
383902.03	3770002.00	0.00507	383952.03	3770002.00	0.00466			
384002.03	3770002.00	0.00436	384052.03	3770002.00	0.00412			
384102.03	3770002.00	0.00392	384152.03	3770002.00	0.00373			
384202.03	3770002.00	0.00354	384252.03	3770002.00	0.00334			
384302.03	3770002.00	0.00313	384352.03	3770002.00	0.00291			
384402.03	3770002.00	0.00271	384452.03	3770002.00	0.00251			
384502.03	3770002.00	0.00233	384552.03	3770002.00	0.00217			

*** AERMOD - VERSION 07026 ***

*** Echo Park Lake Rehabilitation

*** 04/20/10

**MODELOPTs:

DEFAULT ELEV

*** 11:23:25

CONC

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*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): SITE , HAULIDLE, L0000001, L0000002, L0000003, L0000004, L0000005,
L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017,
L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM			IN MICROGRAMS/M**3			**		
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC			
384602.03	3770002.00	0.00202	384652.03	3770002.00	0.00188			
384702.03	3770002.00	0.00177	382752.03	3770052.00	0.02979			
382802.03	3770052.00	0.03227	382852.03	3770052.00	0.03475			
382902.03	3770052.00	0.03716	382952.03	3770052.00	0.03938			
383002.03	3770052.00	0.04130	383052.03	3770052.00	0.04275			
383102.03	3770052.00	0.04359	383152.03	3770052.00	0.04366			
383202.03	3770052.00	0.04285	383252.03	3770052.00	0.04109			
383302.03	3770052.00	0.03839	383352.03	3770052.00	0.03491			
383402.03	3770052.00	0.03088	383452.03	3770052.00	0.02661			
383502.03	3770052.00	0.02243	383552.03	3770052.00	0.01859			
383602.03	3770052.00	0.01525	383652.03	3770052.00	0.01245			
383702.03	3770052.00	0.01020	383752.03	3770052.00	0.00843			
383802.03	3770052.00	0.00710	383852.03	3770052.00	0.00614			
383902.03	3770052.00	0.00548	383952.03	3770052.00	0.00501			
384002.03	3770052.00	0.00467	384052.03	3770052.00	0.00440			
384102.03	3770052.00	0.00416	384152.03	3770052.00	0.00393			
384202.03	3770052.00	0.00370	384252.03	3770052.00	0.00345			
384302.03	3770052.00	0.00321	384352.03	3770052.00	0.00298			
384402.03	3770052.00	0.00276	384452.03	3770052.00	0.00256			
384502.03	3770052.00	0.00237	384552.03	3770052.00	0.00221			
384602.03	3770052.00	0.00206	384652.03	3770052.00	0.00193			
384702.03	3770052.00	0.00182	382752.03	3770102.00	0.02951			
382802.03	3770102.00	0.03223	382852.03	3770102.00	0.03504			
382902.03	3770102.00	0.03786	382952.03	3770102.00	0.04058			
383002.03	3770102.00	0.04309	383052.03	3770102.00	0.04520			
383102.03	3770102.00	0.04675	383152.03	3770102.00	0.04753			
383202.03	3770102.00	0.04736	383252.03	3770102.00	0.04611			
383302.03	3770102.00	0.04371	383352.03	3770102.00	0.04024			
383402.03	3770102.00	0.03593	383452.03	3770102.00	0.03113			
383502.03	3770102.00	0.02625	383552.03	3770102.00	0.02164			
383602.03	3770102.00	0.01758	383652.03	3770102.00	0.01417			
383702.03	3770102.00	0.01144	383752.03	3770102.00	0.00933			
383802.03	3770102.00	0.00778	383852.03	3770102.00	0.00669			
383902.03	3770102.00	0.00594	383952.03	3770102.00	0.00542			
384002.03	3770102.00	0.00503	384052.03	3770102.00	0.00471			
384102.03	3770102.00	0.00442	384152.03	3770102.00	0.00414			
384202.03	3770102.00	0.00385	384252.03	3770102.00	0.00357			
384302.03	3770102.00	0.00330	384352.03	3770102.00	0.00305			
384402.03	3770102.00	0.00282	384452.03	3770102.00	0.00262			
384502.03	3770102.00	0.00243	384552.03	3770102.00	0.00227			

*** AERMOD - VERSION 07026 ***

*** Echo Park Lake Rehabilitation

*** 04/20/10

**MODELOPTs:

DEFAULT ELEV

*** 11:23:25

CONC

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Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, . . . ,						
*** DISCRETE CARTESIAN RECEPTOR POINTS ***						
** CONC OF DPM			IN MICROGRAMS/M**3		**	
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC	
384602.03	3770302.00	0.00262	384652.03	3770302.00	0.00250	
384702.03	3770302.00	0.00241	382752.03	3770352.00	0.02498	
382802.03	3770352.00	0.02824	382852.03	3770352.00	0.03198	
382902.03	3770352.00	0.03622	382952.03	3770352.00	0.04098	
383002.03	3770352.00	0.04623	383052.03	3770352.00	0.05193	
383102.03	3770352.00	0.05795	383152.03	3770352.00	0.06410	
383202.03	3770352.00	0.07007	383252.03	3770352.00	0.07540	
383302.03	3770352.00	0.07950	383352.03	3770352.00	0.08158	
383402.03	3770352.00	0.08082	383452.03	3770352.00	0.07660	
383502.03	3770352.00	0.06885	383552.03	3770352.00	0.05827	
383602.03	3770352.00	0.04629	383652.03	3770352.00	0.03474	
383702.03	3770352.00	0.02519	383752.03	3770352.00	0.01837	
383802.03	3770352.00	0.01406	383852.03	3770352.00	0.01145	
383902.03	3770352.00	0.00976	383952.03	3770352.00	0.00853	
384002.03	3770352.00	0.00754	384052.03	3770352.00	0.00672	
384102.03	3770352.00	0.00603	384152.03	3770352.00	0.00545	
384202.03	3770352.00	0.00497	384252.03	3770352.00	0.00455	
384302.03	3770352.00	0.00419	384352.03	3770352.00	0.00387	
384402.03	3770352.00	0.00358	384452.03	3770352.00	0.00334	
384502.03	3770352.00	0.00313	384552.03	3770352.00	0.00295	
384602.03	3770352.00	0.00281	384652.03	3770352.00	0.00269	
384702.03	3770352.00	0.00258	382752.03	3770402.00	0.02362	
382802.03	3770402.00	0.02683	382852.03	3770402.00	0.03056	
382902.03	3770402.00	0.03486	382952.03	3770402.00	0.03980	
383002.03	3770402.00	0.04538	383052.03	3770402.00	0.05161	
383102.03	3770402.00	0.05843	383152.03	3770402.00	0.06572	
383202.03	3770402.00	0.07325	383252.03	3770402.00	0.08063	
383302.03	3770402.00	0.08728	383352.03	3770402.00	0.09233	
383402.03	3770402.00	0.09465	383452.03	3770402.00	0.09298	
383502.03	3770402.00	0.08651	383552.03	3770402.00	0.07528	
383602.03	3770402.00	0.06068	383652.03	3770402.00	0.04527	
383702.03	3770402.00	0.03186	383752.03	3770402.00	0.02229	
383802.03	3770402.00	0.01652	383852.03	3770402.00	0.01319	
383902.03	3770402.00	0.01106	383952.03	3770402.00	0.00951	
384002.03	3770402.00	0.00831	384052.03	3770402.00	0.00735	
384102.03	3770402.00	0.00658	384152.03	3770402.00	0.00595	
384202.03	3770402.00	0.00541	384252.03	3770402.00	0.00494	
384302.03	3770402.00	0.00453	384352.03	3770402.00	0.00417	
384402.03	3770402.00	0.00386	384452.03	3770402.00	0.00359	
384502.03	3770402.00	0.00337	384552.03	3770402.00	0.00319	
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***		04/20/10
		*** HRA - PM Diesel (Unmitigated)		***		11:23:25
**MODELOPTs:						
CONC						
DFAULT ELEV						
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: ALL ***						
INCLUDING SOURCE(S): SITE , HAULIDLE, L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, . . . ,						
*** DISCRETE CARTESIAN RECEPTOR POINTS ***						
** CONC OF DPM			IN MICROGRAMS/M**3		**	
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC	
384602.03	3770402.00	0.00303	384652.03	3770402.00	0.00290	
384702.03	3770402.00	0.00278	382752.03	3770452.00	0.02219	
382802.03	3770452.00	0.02530	382852.03	3770452.00	0.02895	
382902.03	3770452.00	0.03323	382952.03	3770452.00	0.03824	
383002.03	3770452.00	0.04403	383052.03	3770452.00	0.05066	
383102.03	3770452.00	0.05814	383152.03	3770452.00	0.06645	
383202.03	3770452.00	0.07546	383252.03	3770452.00	0.08492	
383302.03	3770452.00	0.09437	383352.03	3770452.00	0.10308	
383402.03	3770452.00	0.10981	383452.03	3770452.00	0.11269	
383502.03	3770452.00	0.10977	383552.03	3770452.00	0.09977	
383602.03	3770452.00	0.08283	383652.03	3770452.00	0.06207	
383702.03	3770452.00	0.04239	383752.03	3770452.00	0.02806	
383802.03	3770452.00	0.01990	383852.03	3770452.00	0.01549	
383902.03	3770452.00	0.01272	383952.03	3770452.00	0.01077	
384002.03	3770452.00	0.00932	384052.03	3770452.00	0.00822	
384102.03	3770452.00	0.00733	384152.03	3770452.00	0.00660	
384202.03	3770452.00	0.00597	384252.03	3770452.00	0.00543	
384302.03	3770452.00	0.00496	384352.03	3770452.00	0.00455	
384402.03	3770452.00	0.00420	384452.03	3770452.00	0.00392	
384502.03	3770452.00	0.00368	384552.03	3770452.00	0.00348	
384602.03	3770452.00	0.00331	384652.03	3770452.00	0.00316	
384702.03	3770452.00	0.00302	382752.03	3770502.00	0.02073	
382802.03	3770502.00	0.02368	382852.03	3770502.00	0.02720	
382902.03	3770502.00	0.03138	382952.03	3770502.00	0.03635	
383002.03	3770502.00	0.04222	383052.03	3770502.00	0.04910	
383102.03	3770502.00	0.05708	383152.03	3770502.00	0.06623	
383202.03	3770502.00	0.07655	383252.03	3770502.00	0.08797	
383302.03	3770502.00	0.10028	383352.03	3770502.00	0.11308	
383402.03	3770502.00	0.12562	383452.03	3770502.00	0.13611	
383502.03	3770502.00	0.14116	383552.03	3770502.00	0.13763	
383602.03	3770502.00	0.12190	383652.03	3770502.00	0.09185	
383702.03	3770502.00	0.06095	383752.03	3770502.00	0.03746	
383802.03	3770502.00	0.02489	383852.03	3770502.00	0.01874	
383902.03	3770502.00	0.01503	383952.03	3770502.00	0.01255	
384002.03	3770502.00	0.01078	384052.03	3770502.00	0.00944	
384102.03	3770502.00	0.00837	384152.03	3770502.00	0.00747	
384202.03	3770502.00	0.00671	384252.03	3770502.00	0.00606	
384302.03	3770502.00	0.00551	384352.03	3770502.00	0.00504	
384402.03	3770502.00	0.00466	384452.03	3770502.00	0.00434	
384502.03	3770502.00	0.00407	384552.03	3770502.00	0.00384	
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***		04/20/10
		*** HRA - PM Diesel (Unmitigated)		***		11:23:25
**MODELOPTs:						
CONC						
DFAULT ELEV						
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: ALL ***						
INCLUDING SOURCE(S): SITE , HAULIDLE, L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, . . . ,						

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

*** DISCRETE CARTESIAN RECEPTOR POINTS ***											
** CONC OF DPM			IN MICROGRAMS/M**3		**						
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC						
384602.03	3770502.00	0.00364	384652.03	3770502.00	0.00346						
384702.03	3770502.00	0.00329	382752.03	3770552.00	0.01927						
382802.03	3770552.00	0.02203	382852.03	3770552.00	0.02536						
382902.03	3770552.00	0.02937	382952.03	3770552.00	0.03420						
383002.03	3770552.00	0.04002	383052.03	3770552.00	0.04698						
383102.03	3770552.00	0.05525	383152.03	3770552.00	0.06501						
383202.03	3770552.00	0.07640	383252.03	3770552.00	0.08953						
383302.03	3770552.00	0.10450	383352.03	3770552.00	0.12141						
383402.03	3770552.00	0.14077	383452.03	3770552.00	0.16478						
383502.03	3770552.00	0.19427	383552.03	3770552.00	0.22741						
383602.03	3770552.00	0.19059	383652.03	3770552.00	0.15457						
383702.03	3770552.00	0.09880	383752.03	3770552.00	0.05580						
383802.03	3770552.00	0.03332	383852.03	3770552.00	0.02389						
383902.03	3770552.00	0.01869	383952.03	3770552.00	0.01538						
384002.03	3770552.00	0.01305	384052.03	3770552.00	0.01128						
384102.03	3770552.00	0.00986	384152.03	3770552.00	0.00870						
384202.03	3770552.00	0.00774	384252.03	3770552.00	0.00693						
384302.03	3770552.00	0.00626	384352.03	3770552.00	0.00571						
384402.03	3770552.00	0.00526	384452.03	3770552.00	0.00488						
384502.03	3770552.00	0.00456	384552.03	3770552.00	0.00429						
384602.03	3770552.00	0.00404	384652.03	3770552.00	0.00382						
384702.03	3770552.00	0.00361	382752.03	3770602.00	0.01784						
382802.03	3770602.00	0.02038	382852.03	3770602.00	0.02348						
382902.03	3770602.00	0.02725	382952.03	3770602.00	0.03185						
383002.03	3770602.00	0.03749	383052.03	3770602.00	0.04436						
383102.03	3770602.00	0.05272	383152.03	3770602.00	0.06282						
383202.03	3770602.00	0.07496	383252.03	3770602.00	0.08945						
383302.03	3770602.00	0.10665	383352.03	3770602.00	0.12715						
383402.03	3770602.00	0.15263	383452.03	3770602.00	0.19518						
383502.03	3770602.00	0.28111	383552.03	3770602.00	0.29212						
383602.03	3770602.00	0.28101	383652.03	3770602.00	0.24922						
383702.03	3770602.00	0.19049	383752.03	3770602.00	0.11642						
383802.03	3770602.00	0.05365	383852.03	3770602.00	0.03461						
383902.03	3770602.00	0.02579	383952.03	3770602.00	0.02044						
384002.03	3770602.00	0.01680	384052.03	3770602.00	0.01414						
384102.03	3770602.00	0.01209	384152.03	3770602.00	0.01048						
384202.03	3770602.00	0.00919	384252.03	3770602.00	0.00814						
384302.03	3770602.00	0.00730	384352.03	3770602.00	0.00662						
384402.03	3770602.00	0.00606	384452.03	3770602.00	0.00559						
384502.03	3770602.00	0.00519	384552.03	3770602.00	0.00484						
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation			***	04/20/10					
		*** HRA - PM Diesel (Unmitigated)			***	11:23:25					
**MODELOPTs:		DFAULT ELEV			PAGE 106						
CONC											
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: ALL ***											
INCLUDING SOURCE(S): SITE , HAULIDLE, L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, . . . ,											
*** DISCRETE CARTESIAN RECEPTOR POINTS ***											
** CONC OF DPM			IN MICROGRAMS/M**3		**						
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC						
384602.03	3770602.00	0.00453	384652.03	3770602.00	0.00424						
384702.03	3770602.00	0.00399	382752.03	3770652.00	0.01645						
382802.03	3770652.00	0.01876	382852.03	3770652.00	0.02159						
382902.03	3770652.00	0.02507	382952.03	3770652.00	0.02937						
383002.03	3770652.00	0.03471	383052.03	3770652.00	0.04133						
383102.03	3770652.00	0.04955	383152.03	3770652.00	0.05972						
383202.03	3770652.00	0.07226	383252.03	3770652.00	0.08766						
383302.03	3770652.00	0.10654	383352.03	3770652.00	0.12980						
383402.03	3770652.00	0.15939	383452.03	3770652.00	0.20167						
383502.03	3770652.00	0.28750	383552.03	3770652.00	0.38072						
383602.03	3770652.00	0.40208	383652.03	3770652.00	0.42924						
383702.03	3770652.00	0.42413	383802.03	3770652.00	0.13249						
383852.03	3770652.00	0.06180	383902.03	3770652.00	0.04012						
383952.03	3770652.00	0.02934	384002.03	3770652.00	0.02284						
384052.03	3770652.00	0.01847	384102.03	3770652.00	0.01534						
384152.03	3770652.00	0.01299	384202.03	3770652.00	0.01119						
384252.03	3770652.00	0.00979	384302.03	3770652.00	0.00868						
384352.03	3770652.00	0.00780	384402.03	3770652.00	0.00708						
384452.03	3770652.00	0.00647	384502.03	3770652.00	0.00595						
384552.03	3770652.00	0.00550	384602.03	3770652.00	0.00510						
384652.03	3770652.00	0.00474	384702.03	3770652.00	0.00442						
382752.03	3770702.00	0.01511	382802.03	3770702.00	0.01719						
382852.03	3770702.00	0.01973	382902.03	3770702.00	0.02289						
382952.03	3770702.00	0.02683	383002.03	3770702.00	0.03176						
383052.03	3770702.00	0.03799	383102.03	3770702.00	0.04587						
383152.03	3770702.00	0.05582	383202.03	3770702.00	0.06839						
383252.03	3770702.00	0.08425	383302.03	3770702.00	0.10423						
383352.03	3770702.00	0.12951	383402.03	3770702.00	0.16223						
383452.03	3770702.00	0.20711	383502.03	3770702.00	0.27551						
383552.03	3770702.00	0.39367	383802.03	3770702.00	0.24527						
383852.03	3770702.00	0.10465	383902.03	3770702.00	0.06179						
383952.03	3770702.00	0.04223	384002.03	3770702.00	0.03128						
384052.03	3770702.00	0.02437	384102.03	3770702.00	0.01966						
384152.03	3770702.00	0.01629	384202.03	3770702.00	0.01379						
384252.03	3770702.00	0.01190	384302.03	3770702.00	0.01043						
384352.03	3770702.00	0.00927	384402.03	3770702.00	0.00832						
384452.03	3770702.00	0.00753	384502.03	3770702.00	0.00685						
384552.03	3770702.00	0.00627	384602.03	3770702.00	0.00576						
384652.03	3770702.00	0.00531	384702.03	3770702.00	0.00492						
382752.03	3770752.00	0.01385	382802.03	3770752.00	0.01569						
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation			***	04/20/10					
		*** HRA - PM Diesel (Unmitigated)			***	11:23:25					
**MODELOPTs:		DFAULT ELEV			PAGE 107						
CONC											
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: ALL ***											
INCLUDING SOURCE(S): SITE , HAULIDLE, L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, . . . ,											
*** DISCRETE CARTESIAN RECEPTOR POINTS ***											

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

** CONC OF DPM IN MICROGRAMS/M**3						**
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC	
382852.03	3770752.00	0.01795	382902.03	3770752.00	0.02076	
382952.03	3770752.00	0.02429	383002.03	3770752.00	0.02876	
383052.03	3770752.00	0.03447	383102.03	3770752.00	0.04181	
383152.03	3770752.00	0.05127	383202.03	3770752.00	0.06349	
383252.03	3770752.00	0.07932	383302.03	3770752.00	0.09981	
383352.03	3770752.00	0.12643	383402.03	3770752.00	0.16167	
383452.03	3770752.00	0.21029	383502.03	3770752.00	0.28375	
383552.03	3770752.00	0.41967	383802.03	3770752.00	0.31788	
383852.03	3770752.00	0.14502	383902.03	3770752.00	0.08519	
383952.03	3770752.00	0.05696	384002.03	3770752.00	0.04120	
384052.03	3770752.00	0.03139	384102.03	3770752.00	0.02485	
384152.03	3770752.00	0.02026	384202.03	3770752.00	0.01693	
384252.03	3770752.00	0.01444	384302.03	3770752.00	0.01252	
384352.03	3770752.00	0.01100	384402.03	3770752.00	0.00977	
384452.03	3770752.00	0.00875	384502.03	3770752.00	0.00788	
384552.03	3770752.00	0.00715	384602.03	3770752.00	0.00651	
384652.03	3770752.00	0.00596	384702.03	3770752.00	0.00549	
382752.03	3770802.00	0.01267	382802.03	3770802.00	0.01428	
382852.03	3770802.00	0.01626	382902.03	3770802.00	0.01873	
382952.03	3770802.00	0.02184	383002.03	3770802.00	0.02580	
383052.03	3770802.00	0.03091	383102.03	3770802.00	0.03756	
383152.03	3770802.00	0.04629	383202.03	3770802.00	0.05781	
383252.03	3770802.00	0.07310	383302.03	3770802.00	0.09345	
383352.03	3770802.00	0.12066	383402.03	3770802.00	0.15762	
383452.03	3770802.00	0.20954	383502.03	3770802.00	0.28874	
383552.03	3770802.00	0.43950	383802.03	3770802.00	0.35946	
383852.03	3770802.00	0.17531	383902.03	3770802.00	0.10554	
383952.03	3770802.00	0.07100	384002.03	3770802.00	0.05122	
384052.03	3770802.00	0.03878	384102.03	3770802.00	0.03047	
384152.03	3770802.00	0.02466	384202.03	3770802.00	0.02045	
384252.03	3770802.00	0.01730	384302.03	3770802.00	0.01486	
384352.03	3770802.00	0.01294	384402.03	3770802.00	0.01138	
384452.03	3770802.00	0.01010	384502.03	3770802.00	0.00903	
384552.03	3770802.00	0.00812	384602.03	3770802.00	0.00735	
384652.03	3770802.00	0.00669	384702.03	3770802.00	0.00613	
382752.03	3770852.00	0.01156	382802.03	3770852.00	0.01297	
382852.03	3770852.00	0.01469	382902.03	3770852.00	0.01683	
382952.03	3770852.00	0.01953	383002.03	3770852.00	0.02297	
383052.03	3770852.00	0.02743	383102.03	3770852.00	0.03331	
383152.03	3770852.00	0.04112	383202.03	3770852.00	0.05164	
*** AERMOD - VERSION 07026 ***						04/20/10
*** Echo Park Lake Rehabilitation						11:23:25
*** HRA - PM Diesel (Unmitigated)						PAGE 108
**MODELOPTs:						
CONC						
DFAULT ELEV						
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: ALL ***						
INCLUDING SOURCE(S): SITE , HAULIDLE, L0000001, L0000002, L0000003, L0000004, L0000005,						
L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017,						
L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, . . . ,						
*** DISCRETE CARTESIAN RECEPTOR POINTS ***						
** CONC OF DPM IN MICROGRAMS/M**3						
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC	
383252.03	3770852.00	0.06592	383302.03	3770852.00	0.08546	
383352.03	3770852.00	0.11240	383402.03	3770852.00	0.15010	
383452.03	3770852.00	0.20457	383502.03	3770852.00	0.28979	
383552.03	3770852.00	0.45780	383802.03	3770852.00	0.38422	
383852.03	3770852.00	0.19682	383902.03	3770852.00	0.12165	
383952.03	3770852.00	0.08307	384002.03	3770852.00	0.06041	
384052.03	3770852.00	0.04593	384102.03	3770852.00	0.03612	
384152.03	3770852.00	0.02921	384202.03	3770852.00	0.02414	
384252.03	3770852.00	0.02032	384302.03	3770852.00	0.01736	
384352.03	3770852.00	0.01501	384402.03	3770852.00	0.01311	
384452.03	3770852.00	0.01155	384502.03	3770852.00	0.01026	
384552.03	3770852.00	0.00918	384602.03	3770852.00	0.00827	
384652.03	3770852.00	0.00750	384702.03	3770852.00	0.00684	
382752.03	3770902.00	0.01052	382802.03	3770902.00	0.01175	
382852.03	3770902.00	0.01324	382902.03	3770902.00	0.01508	
382952.03	3770902.00	0.01739	383002.03	3770902.00	0.02034	
383052.03	3770902.00	0.02416	383102.03	3770902.00	0.02921	
383152.03	3770902.00	0.03600	383202.03	3770902.00	0.04529	
383252.03	3770902.00	0.05817	383302.03	3770902.00	0.07626	
383352.03	3770902.00	0.10199	383402.03	3770902.00	0.13927	
383452.03	3770902.00	0.19514	383502.03	3770902.00	0.28588	
383552.03	3770902.00	0.47124	383802.03	3770902.00	0.40378	
383852.03	3770902.00	0.21353	383902.03	3770902.00	0.13476	
383952.03	3770902.00	0.09341	384002.03	3770902.00	0.06866	
384052.03	3770902.00	0.05261	384102.03	3770902.00	0.04159	
384152.03	3770902.00	0.03370	384202.03	3770902.00	0.02785	
384252.03	3770902.00	0.02339	384302.03	3770902.00	0.01990	
384352.03	3770902.00	0.01713	384402.03	3770902.00	0.01490	
384452.03	3770902.00	0.01308	384502.03	3770902.00	0.01158	
384552.03	3770902.00	0.01032	384602.03	3770902.00	0.00927	
384652.03	3770902.00	0.00838	384702.03	3770902.00	0.00761	
382752.03	3770952.00	0.00956	382802.03	3770952.00	0.01062	
382852.03	3770952.00	0.01190	382902.03	3770952.00	0.01348	
382952.03	3770952.00	0.01544	383002.03	3770952.00	0.01792	
383052.03	3770952.00	0.02114	383102.03	3770952.00	0.02538	
383152.03	3770952.00	0.03112	383202.03	3770952.00	0.03904	
383252.03	3770952.00	0.05022	383302.03	3770952.00	0.06631	
383352.03	3770952.00	0.08995	383402.03	3770952.00	0.12551	
383452.03	3770952.00	0.18106	383502.03	3770952.00	0.27537	
383552.03	3770952.00	0.47662	383802.03	3770952.00	0.44887	
*** AERMOD - VERSION 07026 ***						04/20/10
*** Echo Park Lake Rehabilitation						11:23:25
*** HRA - PM Diesel (Unmitigated)						PAGE 109
**MODELOPTs:						
CONC						
DFAULT ELEV						
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: ALL ***						
INCLUDING SOURCE(S): SITE , HAULIDLE, L0000001, L0000002, L0000003, L0000004, L0000005,						
L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017,						
L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, . . . ,						
*** DISCRETE CARTESIAN RECEPTOR POINTS ***						
** CONC OF DPM IN MICROGRAMS/M**3						

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
383852.03	3770952.00	0.23383	383902.03	3770952.00	0.14830
383952.03	3770952.00	0.10356	384002.03	3770952.00	0.07665
384052.03	3770952.00	0.05908	384102.03	3770952.00	0.04690
384152.03	3770952.00	0.03809	384202.03	3770952.00	0.03149
384252.03	3770952.00	0.02642	384302.03	3770952.00	0.02244
384352.03	3770952.00	0.01928	384402.03	3770952.00	0.01673
384452.03	3770952.00	0.01465	384502.03	3770952.00	0.01294
384552.03	3770952.00	0.01151	384602.03	3770952.00	0.01031
384652.03	3770952.00	0.00930	384702.03	3770952.00	0.00843
382752.03	3771002.00	0.00865	382802.03	3771002.00	0.00957
382852.03	3771002.00	0.01067	382902.03	3771002.00	0.01201
382952.03	3771002.00	0.01366	383002.03	3771002.00	0.01573
383052.03	3771002.00	0.01840	383102.03	3771002.00	0.02189
383152.03	3771002.00	0.02660	383202.03	3771002.00	0.03314
383252.03	3771002.00	0.04247	383302.03	3771002.00	0.05618
383352.03	3771002.00	0.07696	383402.03	3771002.00	0.10946
383452.03	3771002.00	0.16255	383502.03	3771002.00	0.25697
383552.03	3771002.00	0.46802	383802.03	3771002.00	0.59077
383852.03	3771002.00	0.27269	383902.03	3771002.00	0.16730
383952.03	3771002.00	0.11573	384002.03	3771002.00	0.08543
384052.03	3771002.00	0.06582	384102.03	3771002.00	0.05226
384152.03	3771002.00	0.04242	384202.03	3771002.00	0.03504
384252.03	3771002.00	0.02938	384302.03	3771002.00	0.02494
384352.03	3771002.00	0.02140	384402.03	3771002.00	0.01856
384452.03	3771002.00	0.01623	384502.03	3771002.00	0.01432
384552.03	3771002.00	0.01272	384602.03	3771002.00	0.01138
384652.03	3771002.00	0.01024	384702.03	3771002.00	0.00927
382752.03	3771052.00	0.00779	382802.03	3771052.00	0.00858
382852.03	3771052.00	0.00952	382902.03	3771052.00	0.01065
382952.03	3771052.00	0.01203	383002.03	3771052.00	0.01374
383052.03	3771052.00	0.01592	383102.03	3771052.00	0.01875
383152.03	3771052.00	0.02253	383202.03	3771052.00	0.02776
383252.03	3771052.00	0.03525	383302.03	3771052.00	0.04642
383352.03	3771052.00	0.06380	383402.03	3771052.00	0.09202
383452.03	3771052.00	0.14034	383502.03	3771052.00	0.23088
383552.03	3771052.00	0.44216	383852.03	3771052.00	0.34390
383902.03	3771052.00	0.19583	383952.03	3771052.00	0.13171
384002.03	3771052.00	0.09586	384052.03	3771052.00	0.07321
384102.03	3771052.00	0.05779	384152.03	3771052.00	0.04673
384202.03	3771052.00	0.03852	384252.03	3771052.00	0.03224
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation			*** 04/20/10
		*** HRA - PM Diesel (Unmitigated)			*** 11:23:25
					PAGE 110
**MODELOPTs:					
CONC		DFAULT ELEV			
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: ALL ***					
INCLUDING SOURCE(S): SITE , HAULIDLE, L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, . . . ,					
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
		** CONC OF DPM	IN MICROGRAMS/M**3		**
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
384302.03	3771052.00	0.02735	384352.03	3771052.00	0.02346
384402.03	3771052.00	0.02033	384452.03	3771052.00	0.01777
384502.03	3771052.00	0.01566	384552.03	3771052.00	0.01390
384602.03	3771052.00	0.01242	384652.03	3771052.00	0.01116
384702.03	3771052.00	0.01009	382752.03	3771102.00	0.00699
382802.03	3771102.00	0.00766	382852.03	3771102.00	0.00845
382902.03	3771102.00	0.00939	382952.03	3771102.00	0.01053
383002.03	3771102.00	0.01193	383052.03	3771102.00	0.01369
383102.03	3771102.00	0.01594	383152.03	3771102.00	0.01892
383202.03	3771102.00	0.02300	383252.03	3771102.00	0.02881
383302.03	3771102.00	0.03751	383352.03	3771102.00	0.05126
383402.03	3771102.00	0.07431	383452.03	3771102.00	0.11571
383502.03	3771102.00	0.19775	383552.03	3771102.00	0.40035
383852.03	3771102.00	0.47908	383902.03	3771102.00	0.23766
383952.03	3771102.00	0.15219	384002.03	3771102.00	0.10791
384052.03	3771102.00	0.08107	384102.03	3771102.00	0.06333
384152.03	3771102.00	0.05089	384202.03	3771102.00	0.04179
384252.03	3771102.00	0.03491	384302.03	3771102.00	0.02958
384352.03	3771102.00	0.02535	384402.03	3771102.00	0.02195
384452.03	3771102.00	0.01918	384502.03	3771102.00	0.01690
384552.03	3771102.00	0.01499	384602.03	3771102.00	0.01339
384652.03	3771102.00	0.01203	384702.03	3771102.00	0.01087
382752.03	3771152.00	0.00623	382802.03	3771152.00	0.00679
382852.03	3771152.00	0.00745	382902.03	3771152.00	0.00822
382952.03	3771152.00	0.00915	383002.03	3771152.00	0.01028
383052.03	3771152.00	0.01168	383102.03	3771152.00	0.01346
383152.03	3771152.00	0.01577	383202.03	3771152.00	0.01889
383252.03	3771152.00	0.02328	383302.03	3771152.00	0.02979
383352.03	3771152.00	0.04007	383402.03	3771152.00	0.05764
383452.03	3771152.00	0.09055	383502.03	3771152.00	0.15965
383552.03	3771152.00	0.33894	383902.03	3771152.00	0.29514
383952.03	3771152.00	0.17411	384002.03	3771152.00	0.11919
384052.03	3771152.00	0.08795	384102.03	3771152.00	0.06802
384152.03	3771152.00	0.05436	384202.03	3771152.00	0.04449
384252.03	3771152.00	0.03710	384302.03	3771152.00	0.03141
384352.03	3771152.00	0.02693	384402.03	3771152.00	0.02332
384452.03	3771152.00	0.02038	384502.03	3771152.00	0.01796
384552.03	3771152.00	0.01594	384602.03	3771152.00	0.01424
384652.03	3771152.00	0.01279	384702.03	3771152.00	0.01156
382752.03	3771202.00	0.00553	382802.03	3771202.00	0.00600
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation			*** 04/20/10
		*** HRA - PM Diesel (Unmitigated)			*** 11:23:25
					PAGE 111
**MODELOPTs:					
CONC		DFAULT ELEV			
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: ALL ***					
INCLUDING SOURCE(S): SITE , HAULIDLE, L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, . . . ,					
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
		** CONC OF DPM	IN MICROGRAMS/M**3		**
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

382852.03	3771202.00	0.00653	382902.03	3771202.00	0.00716
382952.03	3771202.00	0.00791	383002.03	3771202.00	0.00881
383052.03	3771202.00	0.00991	383102.03	3771202.00	0.01129
383152.03	3771202.00	0.01306	383202.03	3771202.00	0.01542
383252.03	3771202.00	0.01867	383302.03	3771202.00	0.02340
383352.03	3771202.00	0.03075	383402.03	3771202.00	0.04324
383452.03	3771202.00	0.06708	383502.03	3771202.00	0.12022
383552.03	3771202.00	0.26813	383852.03	3771202.00	0.68778
383902.03	3771202.00	0.31105	383952.03	3771202.00	0.18135
384002.03	3771202.00	0.12360	384052.03	3771202.00	0.09107
384102.03	3771202.00	0.07040	384152.03	3771202.00	0.05628
384202.03	3771202.00	0.04610	384252.03	3771202.00	0.03849
384302.03	3771202.00	0.03264	384352.03	3771202.00	0.02802
384402.03	3771202.00	0.02431	384452.03	3771202.00	0.02128
384502.03	3771202.00	0.01878	384552.03	3771202.00	0.01668
384602.03	3771202.00	0.01492	384652.03	3771202.00	0.01342
384702.03	3771202.00	0.01213	382752.03	3771252.00	0.00491
382802.03	3771252.00	0.00528	382852.03	3771252.00	0.00571
382902.03	3771252.00	0.00622	382952.03	3771252.00	0.00681
383002.03	3771252.00	0.00751	383052.03	3771252.00	0.00837
383102.03	3771252.00	0.00943	383152.03	3771252.00	0.01078
383202.03	3771252.00	0.01255	383252.03	3771252.00	0.01494
383302.03	3771252.00	0.01835	383352.03	3771252.00	0.02350
383402.03	3771252.00	0.03197	383452.03	3771252.00	0.04774
383502.03	3771252.00	0.08321	383552.03	3771252.00	0.19199
383752.03	3771252.00	0.85218	383802.03	3771252.00	0.60959
383852.03	3771252.00	0.39604	383902.03	3771252.00	0.24846
383952.03	3771252.00	0.16433	384002.03	3771252.00	0.11729
384052.03	3771252.00	0.08847	384102.03	3771252.00	0.06938
384152.03	3771252.00	0.05600	384202.03	3771252.00	0.04621
384252.03	3771252.00	0.03880	384302.03	3771252.00	0.03306
384352.03	3771252.00	0.02850	384402.03	3771252.00	0.02481
384452.03	3771252.00	0.02179	384502.03	3771252.00	0.01928
384552.03	3771252.00	0.01718	384602.03	3771252.00	0.01539
384652.03	3771252.00	0.01387	384702.03	3771252.00	0.01256
382752.03	3771302.00	0.00435	382802.03	3771302.00	0.00466
382852.03	3771302.00	0.00500	382902.03	3771302.00	0.00540
382952.03	3771302.00	0.00587	383002.03	3771302.00	0.00642
383052.03	3771302.00	0.00708	383102.03	3771302.00	0.00790
383152.03	3771302.00	0.00892	383202.03	3771302.00	0.01025
*** AERMOD - VERSION 07026 ***	*** Echo Park Lake Rehabilitation	***	04/20/10		
*** HRA - PM Diesel (Unmitigated)	***	***	11:23:25		
***	***	***	PAGE 112		
**MODELOPTs:					
CONC DFAULT ELEV					
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: ALL ***					
INCLUDING SOURCE(S): SITE , HAULIDLE, L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, . . . ,					
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
** CONC OF DPM IN MICROGRAMS/M**3 **					
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
383252.03	3771302.00	0.01202	383302.03	3771302.00	0.01449
383352.03	3771302.00	0.01815	383402.03	3771302.00	0.02397
383452.03	3771302.00	0.03423	383502.03	3771302.00	0.05536
383552.03	3771302.00	0.11357	383702.03	3771302.00	0.54705
383752.03	3771302.00	0.43073	383802.03	3771302.00	0.34377
383852.03	3771302.00	0.26008	383902.03	3771302.00	0.18845
383952.03	3771302.00	0.13742	384002.03	3771302.00	0.10373
384052.03	3771302.00	0.08104	384102.03	3771302.00	0.06511
384152.03	3771302.00	0.05348	384202.03	3771302.00	0.04471
384252.03	3771302.00	0.03794	384302.03	3771302.00	0.03259
384352.03	3771302.00	0.02829	384402.03	3771302.00	0.02478
384452.03	3771302.00	0.02187	384502.03	3771302.00	0.01944
384552.03	3771302.00	0.01738	384602.03	3771302.00	0.01563
384652.03	3771302.00	0.01413	384702.03	3771302.00	0.01283
382752.03	3771352.00	0.00388	382802.03	3771352.00	0.00412
382852.03	3771352.00	0.00440	382902.03	3771352.00	0.00472
382952.03	3771352.00	0.00508	383002.03	3771352.00	0.00552
383052.03	3771352.00	0.00603	383102.03	3771352.00	0.00667
383152.03	3771352.00	0.00745	383202.03	3771352.00	0.00847
383252.03	3771352.00	0.00981	383302.03	3771352.00	0.01166
383352.03	3771352.00	0.01438	383402.03	3771352.00	0.01864
383452.03	3771352.00	0.02592	383502.03	3771352.00	0.03095
383552.03	3771352.00	0.07306	383602.03	3771352.00	0.18763
383652.03	3771352.00	0.33497	383702.03	3771352.00	0.29331
383752.03	3771352.00	0.25923	383802.03	3771352.00	0.22353
383852.03	3771352.00	0.18288	383902.03	3771352.00	0.14355
383952.03	3771352.00	0.11169	384002.03	3771352.00	0.08826
384052.03	3771352.00	0.07131	384102.03	3771352.00	0.05880
384152.03	3771352.00	0.04929	384202.03	3771352.00	0.04190
384252.03	3771352.00	0.03603	384302.03	3771352.00	0.03130
384352.03	3771352.00	0.02743	384402.03	3771352.00	0.02421
384452.03	3771352.00	0.02152	384502.03	3771352.00	0.01924
384552.03	3771352.00	0.01729	384602.03	3771352.00	0.01562
384652.03	3771352.00	0.01418	384702.03	3771352.00	0.01292
382752.03	3771402.00	0.00347	382802.03	3771402.00	0.00367
382852.03	3771402.00	0.00389	382902.03	3771402.00	0.00414
382952.03	3771402.00	0.00444	383002.03	3771402.00	0.00478
383052.03	3771402.00	0.00519	383102.03	3771402.00	0.00569
383152.03	3771402.00	0.00632	383202.03	3771402.00	0.00711
383252.03	3771402.00	0.00818	383302.03	3771402.00	0.00965
*** AERMOD - VERSION 07026 ***	*** Echo Park Lake Rehabilitation	***	04/20/10		
*** HRA - PM Diesel (Unmitigated)	***	***	11:23:25		
***	***	***	PAGE 113		
**MODELOPTs:					
CONC DFAULT ELEV					
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: ALL ***					
INCLUDING SOURCE(S): SITE , HAULIDLE, L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, . . . ,					
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
** CONC OF DPM IN MICROGRAMS/M**3 **					
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
383352.03	3771402.00	0.01182	383402.03	3771402.00	0.01524

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

383452.03	3771402.00	0.02108	383502.03	3771402.00	0.03212
383552.03	3771402.00	0.05598	383602.03	3771402.00	0.10681
383652.03	3771402.00	0.15987	383702.03	3771402.00	0.17538
383752.03	3771402.00	0.17065	383802.03	3771402.00	0.15568
383852.03	3771402.00	0.13421	383902.03	3771402.00	0.11103
383952.03	3771402.00	0.09038	384002.03	3771402.00	0.07396
384052.03	3771402.00	0.06142	384102.03	3771402.00	0.05180
384152.03	3771402.00	0.04428	384202.03	3771402.00	0.03828
384252.03	3771402.00	0.03340	384302.03	3771402.00	0.02938
384352.03	3771402.00	0.02603	384402.03	3771402.00	0.02319
384452.03	3771402.00	0.02078	384502.03	3771402.00	0.01871
384552.03	3771402.00	0.01693	384602.03	3771402.00	0.01538
384652.03	3771402.00	0.01403	384702.03	3771402.00	0.01284
382752.03	3771452.00	0.00312	382802.03	3771452.00	0.00328
382852.03	3771452.00	0.00346	382902.03	3771452.00	0.00367
382952.03	3771452.00	0.00391	383002.03	3771452.00	0.00419
383052.03	3771452.00	0.00452	383102.03	3771452.00	0.00493
383152.03	3771452.00	0.00544	383202.03	3771452.00	0.00609
383252.03	3771452.00	0.00698	383302.03	3771452.00	0.00823
383352.03	3771452.00	0.01011	383402.03	3771452.00	0.01311
383452.03	3771452.00	0.01821	383502.03	3771452.00	0.02753
383552.03	3771452.00	0.04504	383602.03	3771452.00	0.07328
383652.03	3771452.00	0.10186	383702.03	3771452.00	0.11740
383752.03	3771452.00	0.12014	383802.03	3771452.00	0.11396
383852.03	3771452.00	0.10197	383902.03	3771452.00	0.08755
383952.03	3771452.00	0.07367	384002.03	3771452.00	0.06191
384052.03	3771452.00	0.05250	384102.03	3771452.00	0.04508
384152.03	3771452.00	0.03917	384202.03	3771452.00	0.03437
384252.03	3771452.00	0.03041	384302.03	3771452.00	0.02708
384352.03	3771452.00	0.02426	384402.03	3771452.00	0.02183
384452.03	3771452.00	0.01974	384502.03	3771452.00	0.01792
384552.03	3771452.00	0.01632	384602.03	3771452.00	0.01492
384652.03	3771452.00	0.01369	384702.03	3771452.00	0.01259
382752.03	3771502.00	0.00282	382802.03	3771502.00	0.00295
382852.03	3771502.00	0.00310	382902.03	3771502.00	0.00327
382952.03	3771502.00	0.00347	383002.03	3771502.00	0.00370
383052.03	3771502.00	0.00397	383102.03	3771502.00	0.00432
383152.03	3771502.00	0.00475	383202.03	3771502.00	0.00532
383252.03	3771502.00	0.00611	383302.03	3771502.00	0.00725
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	04/20/10
*** HRA - PM Diesel (Unmitigated)				***	11:23:25
***				***	PAGE 114
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: ALL ***					
INCLUDING SOURCE(S): SITE , HAULIDLE, L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, . . . ,					
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
** CONC OF DPM IN MICROGRAMS/M**3 **					
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
383352.03	3771502.00	0.00898	383402.03	3771502.00	0.01173
383452.03	3771502.00	0.01632	383502.03	3771502.00	0.02416
383552.03	3771502.00	0.03712	383602.03	3771502.00	0.05522
383652.03	3771502.00	0.07343	383702.03	3771502.00	0.08545
383752.03	3771502.00	0.08958	383802.03	3771502.00	0.08711
383852.03	3771502.00	0.08002	383902.03	3771502.00	0.07058
383952.03	3771502.00	0.06088	384002.03	3771502.00	0.05219
384052.03	3771502.00	0.04498	384102.03	3771502.00	0.03915
384152.03	3771502.00	0.03444	384202.03	3771502.00	0.03059
384252.03	3771502.00	0.02738	384302.03	3771502.00	0.02465
384352.03	3771502.00	0.02231	384402.03	3771502.00	0.02028
384452.03	3771502.00	0.01850	384502.03	3771502.00	0.01693
384552.03	3771502.00	0.01554	384602.03	3771502.00	0.01430
384652.03	3771502.00	0.01320	384702.03	3771502.00	0.01221
382752.03	3771552.00	0.00256	382802.03	3771552.00	0.00267
382852.03	3771552.00	0.00279	382902.03	3771552.00	0.00293
382952.03	3771552.00	0.00310	383002.03	3771552.00	0.00329
383052.03	3771552.00	0.00353	383102.03	3771552.00	0.00383
383152.03	3771552.00	0.00422	383202.03	3771552.00	0.00475
383252.03	3771552.00	0.00549	383302.03	3771552.00	0.00658
383352.03	3771552.00	0.00822	383402.03	3771552.00	0.01078
383452.03	3771552.00	0.01489	383502.03	3771552.00	0.02143
383552.03	3771552.00	0.03125	383602.03	3771552.00	0.04391
383652.03	3771552.00	0.05658	383702.03	3771552.00	0.06576
383752.03	3771552.00	0.06982	383802.03	3771552.00	0.06905
383852.03	3771552.00	0.06466	383902.03	3771552.00	0.05819
383952.03	3771552.00	0.05114	384002.03	3771552.00	0.04453
384052.03	3771552.00	0.03884	384102.03	3771552.00	0.03414
384152.03	3771552.00	0.03031	384202.03	3771552.00	0.02715
384252.03	3771552.00	0.02452	384302.03	3771552.00	0.02228
384352.03	3771552.00	0.02035	384402.03	3771552.00	0.01866
384452.03	3771552.00	0.01716	384502.03	3771552.00	0.01583
384552.03	3771552.00	0.01464	384602.03	3771552.00	0.01356
384652.03	3771552.00	0.01259	384702.03	3771552.00	0.01172
382752.03	3771602.00	0.00233	382802.03	3771602.00	0.00242
382852.03	3771602.00	0.00252	382902.03	3771602.00	0.00264
382952.03	3771602.00	0.00279	383002.03	3771602.00	0.00296
383052.03	3771602.00	0.00317	383102.03	3771602.00	0.00345
383152.03	3771602.00	0.00383	383202.03	3771602.00	0.00434
383252.03	3771602.00	0.00506	383302.03	3771602.00	0.00611
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	04/20/10
*** HRA - PM Diesel (Unmitigated)				***	11:23:25
***				***	PAGE 115
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: ALL ***					
INCLUDING SOURCE(S): SITE , HAULIDLE, L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, . . . ,					
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
** CONC OF DPM IN MICROGRAMS/M**3 **					
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
383352.03	3771602.00	0.00767	383402.03	3771602.00	0.01005
383452.03	3771602.00	0.01369	383502.03	3771602.00	0.01915
383552.03	3771602.00	0.02680	383602.03	3771602.00	0.03616

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

383652.03	3771602.00	0.04549	383702.03	3771602.00	0.05262
383752.03	3771602.00	0.05627	383802.03	3771602.00	0.05635
383852.03	3771602.00	0.05356	383902.03	3771602.00	0.04897
383952.03	3771602.00	0.04369	384002.03	3771602.00	0.03852
384052.03	3771602.00	0.03392	384102.03	3771602.00	0.03003
384152.03	3771602.00	0.02682	384202.03	3771602.00	0.02417
384252.03	3771602.00	0.02197	384302.03	3771602.00	0.02010
384352.03	3771602.00	0.01848	384402.03	3771602.00	0.01707
384452.03	3771602.00	0.01582	384502.03	3771602.00	0.01470
384552.03	3771602.00	0.01368	384602.03	3771602.00	0.01276
384652.03	3771602.00	0.01192	384702.03	3771602.00	0.01115
382752.03	3771652.00	0.00213	382802.03	3771652.00	0.00220
382852.03	3771652.00	0.00229	382902.03	3771652.00	0.00240
382952.03	3771652.00	0.00253	383002.03	3771652.00	0.00269
383052.03	3771652.00	0.00289	383102.03	3771652.00	0.00317
383152.03	3771652.00	0.00353	383202.03	3771652.00	0.00404
383252.03	3771652.00	0.00475	383302.03	3771652.00	0.00577
383352.03	3771652.00	0.00725	383402.03	3771652.00	0.00944
383452.03	3771652.00	0.01266	383502.03	3771652.00	0.01724
383552.03	3771652.00	0.02334	383602.03	3771652.00	0.03055
383652.03	3771652.00	0.03769	383702.03	3771652.00	0.04335
383752.03	3771652.00	0.04654	383802.03	3771652.00	0.04704
383852.03	3771652.00	0.04527	383902.03	3771652.00	0.04195
383952.03	3771652.00	0.03790	384002.03	3771652.00	0.03377
384052.03	3771652.00	0.02998	384102.03	3771652.00	0.02670
384152.03	3771652.00	0.02394	384202.03	3771652.00	0.02166
384252.03	3771652.00	0.01976	384302.03	3771652.00	0.01816
384352.03	3771652.00	0.01679	384402.03	3771652.00	0.01559
384452.03	3771652.00	0.01454	384502.03	3771652.00	0.01359
384552.03	3771652.00	0.01272	384602.03	3771652.00	0.01194
384652.03	3771652.00	0.01121	384702.03	3771652.00	0.01055
382752.03	3771702.00	0.00195	382802.03	3771702.00	0.00202
382852.03	3771702.00	0.00210	382902.03	3771702.00	0.00219
382952.03	3771702.00	0.00232	383002.03	3771702.00	0.00247
383052.03	3771702.00	0.00268	383102.03	3771702.00	0.00295
383152.03	3771702.00	0.00332	383202.03	3771702.00	0.00383
383252.03	3771702.00	0.00452	383302.03	3771702.00	0.00551
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		*** 04/20/10	
*** HRA - PM Diesel (Unmitigated)				*** 11:23:25	
**MODELLOPTs:				PAGE 116	
CONC		DFAULT ELEV			
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: ALL ***					
INCLUDING SOURCE(S): SITE , HAULIDLE, L0000001, L0000002, L0000003, L0000004, L0000005,					
L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017,					
L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, . . . ,					
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
** CONC OF DPM IN MICROGRAMS/M**3 **					
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
383352.03	3771702.00	0.00690	383402.03	3771702.00	0.00891
383452.03	3771702.00	0.01174	383502.03	3771702.00	0.01562
383552.03	3771702.00	0.02059	383602.03	3771702.00	0.02630
383652.03	3771702.00	0.03195	383702.03	3771702.00	0.03652
383752.03	3771702.00	0.03929	383802.03	3771702.00	0.04001
383852.03	3771702.00	0.03890	383902.03	3771702.00	0.03647
383952.03	3771702.00	0.03332	384002.03	3771702.00	0.02998
384052.03	3771702.00	0.02681	384102.03	3771702.00	0.02399
384152.03	3771702.00	0.02158	384202.03	3771702.00	0.01957
384252.03	3771702.00	0.01789	384302.03	3771702.00	0.01649
384352.03	3771702.00	0.01529	384402.03	3771702.00	0.01426
384452.03	3771702.00	0.01335	384502.03	3771702.00	0.01254
384552.03	3771702.00	0.01180	384602.03	3771702.00	0.01113
384652.03	3771702.00	0.01051	384702.03	3771702.00	0.00993
382752.03	3771752.00	0.00179	382802.03	3771752.00	0.00185
382852.03	3771752.00	0.00193	382902.03	3771752.00	0.00203
382952.03	3771752.00	0.00215	383002.03	3771752.00	0.00231
383052.03	3771752.00	0.00252	383102.03	3771752.00	0.00280
383152.03	3771752.00	0.00317	383202.03	3771752.00	0.00367
383252.03	3771752.00	0.00435	383302.03	3771752.00	0.00529
383352.03	3771752.00	0.00660	383402.03	3771752.00	0.00842
383452.03	3771752.00	0.01093	383502.03	3771752.00	0.01425
383552.03	3771752.00	0.01836	383602.03	3771752.00	0.02300
383652.03	3771752.00	0.02756	383702.03	3771752.00	0.03133
383752.03	3771752.00	0.03374	383802.03	3771752.00	0.03456
383852.03	3771752.00	0.03390	383902.03	3771752.00	0.03211
383952.03	3771752.00	0.02964	384002.03	3771752.00	0.02690
384052.03	3771752.00	0.02422	384102.03	3771752.00	0.02177
384152.03	3771752.00	0.01964	384202.03	3771752.00	0.01784
384252.03	3771752.00	0.01633	384302.03	3771752.00	0.01506
384352.03	3771752.00	0.01400	384402.03	3771752.00	0.01308
384452.03	3771752.00	0.01228	384502.03	3771752.00	0.01157
384552.03	3771752.00	0.01094	384602.03	3771752.00	0.01036
384652.03	3771752.00	0.00982	384702.03	3771752.00	0.00932
382752.03	3771802.00	0.00166	382802.03	3771802.00	0.00172
382852.03	3771802.00	0.00180	382902.03	3771802.00	0.00190
382952.03	3771802.00	0.00202	383002.03	3771802.00	0.00219
383052.03	3771802.00	0.00241	383102.03	3771802.00	0.00269
383152.03	3771802.00	0.00306	383202.03	3771802.00	0.00355
383252.03	3771802.00	0.00420	383302.03	3771802.00	0.00510
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		*** 04/20/10	
*** HRA - PM Diesel (Unmitigated)				*** 11:23:25	
**MODELLOPTs:				PAGE 117	
CONC		DFAULT ELEV			
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: ALL ***					
INCLUDING SOURCE(S): SITE , HAULIDLE, L0000001, L0000002, L0000003, L0000004, L0000005,					
L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017,					
L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, . . . ,					
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
** CONC OF DPM IN MICROGRAMS/M**3 **					
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
383352.03	3771802.00	0.00632	383402.03	3771802.00	0.00798
383452.03	3771802.00	0.01021	383502.03	3771802.00	0.01307
383552.03	3771802.00	0.01653	383602.03	3771802.00	0.02037
383652.03	3771802.00	0.02413	383702.03	3771802.00	0.02728
383752.03	3771802.00	0.02939	383802.03	3771802.00	0.03024

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

383852.03	3771802.00	0.02988	383902.03	3771802.00	0.02856
383952.03	3771802.00	0.02661	384002.03	3771802.00	0.02436
384052.03	3771802.00	0.02208	384102.03	3771802.00	0.01994
384152.03	3771802.00	0.01804	384202.03	3771802.00	0.01641
384252.03	3771802.00	0.01503	384302.03	3771802.00	0.01387
384352.03	3771802.00	0.01289	384402.03	3771802.00	0.01206
384452.03	3771802.00	0.01134	384502.03	3771802.00	0.01071
384552.03	3771802.00	0.01015	384602.03	3771802.00	0.00964
384652.03	3771802.00	0.00917	384702.03	3771802.00	0.00874
382752.03	3771852.00	0.00155	382802.03	3771852.00	0.00161
382852.03	3771852.00	0.00169	382902.03	3771852.00	0.00180
382952.03	3771852.00	0.00193	383002.03	3771852.00	0.00210
383052.03	3771852.00	0.00232	383102.03	3771852.00	0.00260
383152.03	3771852.00	0.00297	383202.03	3771852.00	0.00344
383252.03	3771852.00	0.00408	383302.03	3771852.00	0.00492
383352.03	3771852.00	0.00606	383402.03	3771852.00	0.00758
383452.03	3771852.00	0.00957	383502.03	3771852.00	0.01206
383552.03	3771852.00	0.01500	383602.03	3771852.00	0.01823
383652.03	3771852.00	0.02138	383702.03	3771852.00	0.02405
383752.03	3771852.00	0.02590	383802.03	3771852.00	0.02675
383852.03	3771852.00	0.02661	383902.03	3771852.00	0.02564
383952.03	3771852.00	0.02409	384002.03	3771852.00	0.02223
384052.03	3771852.00	0.02028	384102.03	3771852.00	0.01841
384152.03	3771852.00	0.01671	384202.03	3771852.00	0.01522
384252.03	3771852.00	0.01394	384302.03	3771852.00	0.01286
384352.03	3771852.00	0.01195	384402.03	3771852.00	0.01118
384452.03	3771852.00	0.01052	384502.03	3771852.00	0.00995
384552.03	3771852.00	0.00944	384602.03	3771852.00	0.00899
384652.03	3771852.00	0.00858	384702.03	3771852.00	0.00820
382752.03	3771902.00	0.00146	382802.03	3771902.00	0.00153
382852.03	3771902.00	0.00161	382902.03	3771902.00	0.00172
382952.03	3771902.00	0.00186	383002.03	3771902.00	0.00204
383052.03	3771902.00	0.00226	383102.03	3771902.00	0.00253
383152.03	3771902.00	0.00289	383202.03	3771902.00	0.00336
383252.03	3771902.00	0.00396	383302.03	3771902.00	0.00477
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	
		*** HRA - PM Diesel (Unmitigated)		***	
**MODELOPTs:				04/20/10	
CONC		DFAULT ELEV		11:23:25	
				PAGE 118	
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 2 YEARS FOR SOURCE GROUP: ALL ***					
INCLUDING SOURCE(S): SITE , HAULIDLE, L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, . . . ,					
*** DISCRETE CARTESIAN RECEPTOR POINTS ***					
** CONC OF DPM IN MICROGRAMS/M**3 **					
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
383352.03	3771902.00	0.00583	383402.03	3771902.00	0.00722
383452.03	3771902.00	0.00899	383502.03	3771902.00	0.01118
383552.03	3771902.00	0.01372	383602.03	3771902.00	0.01646
383652.03	3771902.00	0.01914	383702.03	3771902.00	0.02144
383752.03	3771902.00	0.02307	383802.03	3771902.00	0.02390
383852.03	3771902.00	0.02390	383902.03	3771902.00	0.02319
383952.03	3771902.00	0.02196	384002.03	3771902.00	0.02042
384052.03	3771902.00	0.01876	384102.03	3771902.00	0.01711
384152.03	3771902.00	0.01559	384202.03	3771902.00	0.01422
384252.03	3771902.00	0.01304	384302.03	3771902.00	0.01202
384352.03	3771902.00	0.01116	384402.03	3771902.00	0.01043
384452.03	3771902.00	0.00982	384502.03	3771902.00	0.00928
384552.03	3771902.00	0.00882	384602.03	3771902.00	0.00841
384652.03	3771902.00	0.00803	384702.03	3771902.00	0.00770
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	
		*** HRA - PM Diesel (Unmitigated)		***	
**MODELOPTs:				04/20/10	
CONC		DFAULT ELEV		11:23:25	
				PAGE 119	
*** THE SUMMARY OF MAXIMUM ANNUAL (2 YRS) RESULTS ***					
** CONC OF DPM IN MICROGRAMS/M**3 **					
GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	NETWORK OF TYPE	GRID-ID	
ONSITE	1ST HIGHEST VALUE IS	0.84992 AT (383752.03, 3771252.00,	0.00, 0.00,	0.00) DC	
	2ND HIGHEST VALUE IS	0.68474 AT (383852.03, 3771202.00,	0.00, 0.00,	0.00) DC	
	3RD HIGHEST VALUE IS	0.60720 AT (383802.03, 3771252.00,	0.00, 0.00,	0.00) DC	
	4TH HIGHEST VALUE IS	0.60626 AT (383792.56, 3770989.25,	0.00, 0.00,	0.00) DC	
	5TH HIGHEST VALUE IS	0.55582 AT (383802.03, 3771002.00,	0.00, 0.00,	0.00) DC	
	6TH HIGHEST VALUE IS	0.54555 AT (383702.03, 3771302.00,	0.00, 0.00,	0.00) DC	
	7TH HIGHEST VALUE IS	0.48716 AT (383660.97, 3771329.50,	0.00, 0.00,	0.00) DC	
	8TH HIGHEST VALUE IS	0.47345 AT (383552.03, 3770952.00,	0.00, 0.00,	0.00) DC	
	9TH HIGHEST VALUE IS	0.47332 AT (383852.03, 3771102.00,	0.00, 0.00,	0.00) DC	
	10TH HIGHEST VALUE IS	0.46696 AT (383552.03, 3770902.00,	0.00, 0.00,	0.00) DC	
HAULIDLE	1ST HIGHEST VALUE IS	0.00050 AT (383752.03, 3771252.00,	0.00, 0.00,	0.00) DC	
	2ND HIGHEST VALUE IS	0.00038 AT (383852.03, 3771202.00,	0.00, 0.00,	0.00) DC	
	3RD HIGHEST VALUE IS	0.00035 AT (383802.03, 3771252.00,	0.00, 0.00,	0.00) DC	
	4TH HIGHEST VALUE IS	0.00032 AT (383702.03, 3771302.00,	0.00, 0.00,	0.00) DC	
	5TH HIGHEST VALUE IS	0.00029 AT (383660.97, 3771329.50,	0.00, 0.00,	0.00) DC	
	6TH HIGHEST VALUE IS	0.00028 AT (383792.56, 3770989.25,	0.00, 0.00,	0.00) DC	
	7TH HIGHEST VALUE IS	0.00026 AT (383802.03, 3771002.00,	0.00, 0.00,	0.00) DC	
	8TH HIGHEST VALUE IS	0.00025 AT (383752.03, 3771302.00,	0.00, 0.00,	0.00) DC	
	9TH HIGHEST VALUE IS	0.00023 AT (383852.03, 3771102.00,	0.00, 0.00,	0.00) DC	
	10TH HIGHEST VALUE IS	0.00022 AT (383852.03, 3771252.00,	0.00, 0.00,	0.00) DC	
HAULROUT	1ST HIGHEST VALUE IS	0.09171 AT (383552.03, 3770652.00,	0.00, 0.00,	0.00) DC	
	2ND HIGHEST VALUE IS	0.08387 AT (383502.03, 3770602.00,	0.00, 0.00,	0.00) DC	
	3RD HIGHEST VALUE IS	0.07282 AT (383552.03, 3770602.00,	0.00, 0.00,	0.00) DC	
	4TH HIGHEST VALUE IS	0.06246 AT (383552.03, 3770552.00,	0.00, 0.00,	0.00) DC	
	5TH HIGHEST VALUE IS	0.05911 AT (383602.03, 3770652.00,	0.00, 0.00,	0.00) DC	
	6TH HIGHEST VALUE IS	0.05747 AT (383652.03, 3770652.00,	0.00, 0.00,	0.00) DC	
	7TH HIGHEST VALUE IS	0.05577 AT (383602.03, 3770602.00,	0.00, 0.00,	0.00) DC	
	8TH HIGHEST VALUE IS	0.05539 AT (383502.03, 3770652.00,	0.00, 0.00,	0.00) DC	
	9TH HIGHEST VALUE IS	0.04100 AT (383652.03, 3770602.00,	0.00, 0.00,	0.00) DC	
	10TH HIGHEST VALUE IS	0.03810 AT (383702.03, 3770652.00,	0.00, 0.00,	0.00) DC	
*** AERMOD - VERSION 07026 ***		*** Echo Park Lake Rehabilitation		***	
		*** HRA - PM Diesel (Unmitigated)		***	
**MODELOPTs:				04/20/10	
				11:23:25	
				PAGE 120	

Echo Park Lake Rehabilitation Project Health Risk Assessment ~ PM Diesel Analysis

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CONC                                DFAULT ELEV

*** THE SUMMARY OF MAXIMUM ANNUAL ( 2 YRS) RESULTS ***

** CONC OF DPM      IN MICROGRAMS/M**3      **

GROUP ID              AVERAGE CONC              RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)      NETWORK
-----
ALL      1ST HIGHEST VALUE IS      0.85218 AT ( 383752.03, 3771252.00,      0.00,      0.00,      0.00) DC
          2ND HIGHEST VALUE IS      0.68778 AT ( 383852.03, 3771202.00,      0.00,      0.00,      0.00) DC
          3RD HIGHEST VALUE IS      0.64267 AT ( 383792.56, 3770989.25,      0.00,      0.00,      0.00) DC
          4TH HIGHEST VALUE IS      0.60959 AT ( 383802.03, 3771252.00,      0.00,      0.00,      0.00) DC
          5TH HIGHEST VALUE IS      0.59077 AT ( 383802.03, 3771002.00,      0.00,      0.00,      0.00) DC
          6TH HIGHEST VALUE IS      0.54705 AT ( 383702.03, 3771302.00,      0.00,      0.00,      0.00) DC
          7TH HIGHEST VALUE IS      0.48835 AT ( 383660.97, 3771329.50,      0.00,      0.00,      0.00) DC
          8TH HIGHEST VALUE IS      0.47908 AT ( 383852.03, 3771102.00,      0.00,      0.00,      0.00) DC
          9TH HIGHEST VALUE IS      0.47662 AT ( 383552.03, 3770952.00,      0.00,      0.00,      0.00) DC
          10TH HIGHEST VALUE IS      0.47124 AT ( 383552.03, 3770902.00,      0.00,      0.00,      0.00) DC

*** RECEPTOR TYPES:  GC = GRIDCART
                        GP = GRIDPOLR
                        DC = DISCCART
                        DP = DISCPOLR

*** AERMOD - VERSION 07026 ***      *** Echo Park Lake Rehabilitation      ***      04/20/10
*** HRA - PM Diesel (Unmitigated)      ***      11:23:25
**MODELOPTs:      ***
CONC                                DFAULT ELEV      ***      PAGE 121

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of      0 Fatal Error Message(s)
A Total of      0 Warning Message(s)
A Total of     113 Informational Message(s)

A Total of      0 Calm Hours Identified

A Total of     113 Missing Hours Identified ( 0.64 Percent)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****
*** NONE ***

*****
*** AERMOD Finishes Successfully ***
*****
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**DRAFT ENVIRONMENTAL IMPACT REPORT
APPENDIX D**

**BIOLOGICAL RESOURCES
(Including Biological Reconnaissance Survey and Impact
Analysis Report, and Wildlife Relocation Plan)**

**BIOLOGICAL RECONNAISSANCE SURVEY
AND IMPACT ANALYSIS REPORT**

**ECHO PARK LAKE
LOS ANGELES, CALIFORNIA**

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June 5, 2008

