



**Final Programmatic
Environmental Impact Report**
Public Works Integrated Master Plan
(SCH #: 2016071078)

October 2019



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Chapter 1 Introduction

On July 15, 2019, the City of Oxnard (City) released for public review the Draft Programmatic Environmental Impact Report (Draft PEIR) (State Clearinghouse Number: 2016071078) to provide the public and responsible agencies with information about the potential environmental effects of the City’s proposed Public Works Integrated Master Plan (PWIMP, Project, and/or Proposed Project). The City is the lead agency under the California Environmental Quality Act (CEQA) and has principal responsibility for approving the Proposed Project.

1.1 Purpose of the Program Environmental Impact Report

The purpose of the PEIR is to provide the public and responsible and trustee agencies with information about the potential environmental effects of the Proposed Project. The Draft PEIR was prepared in compliance with the California Environmental Quality Act (CEQA) (Public Resources Code Section 21000et seq.) of 1970 (as amended), and the CEQA Guidelines (California Code of Regulations, Title 14). As described in CEQA guidelines Section 15121(a), an EIR is a public information document that assesses potential environmental effects of the Proposed Project, and identifies mitigation measures and alternatives to the Proposed Project that would reduce or avoid adverse environmental impacts. CEQA requires that state and local government agencies consider the environmental consequences of projects over which they have discretionary authority.

1.2 Public Review and Responses to Comments

In accordance with Sections 15087 and 15105 of the State CEQA Guidelines, the Draft PEIR was circulated for public review and comment to lead and responsible agencies, as well as members of the public, for 45-days (July 15 through August 30, 2019). The City also held a public meeting on August 15, 2019 to receive comments on the Draft PEIR. Written comment letters received on the Draft PEIR and a transcript of oral testimony provided at the public hearing are provided in their entirety in Chapter 2, “Comments and Responses to Comments.” Responses to each of the comments received are provided in this document as part of the final programmatic environmental impact report (Final PEIR). Although some of the comments have resulted in changes to the text of the Draft EIR (see Chapter 3, “Corrections and Revisions to the Draft EIR”), none of the changes constitute “significant new information,” which would require recirculation of the Draft PEIR. Significant new information is defined in Section 15088.5(a) of the State CEQA Guidelines as follows:

- (1) A new significant environmental impact would result from the project or from a new mitigation measure proposed to be implemented.
- (2) A substantial increase in the severity of an environmental impact would result unless mitigation measures are adopted that reduce the impact to a level of insignificance.
- (3) A feasible project alternative or mitigation measure considerably different from others previously analyzed would clearly lessen the environmental impacts of the project, but the project’s proponents decline to adopt it.
- (4) The Draft PEIR was so fundamentally and basically inadequate and conclusory in nature that meaningful public review and comment were precluded.

None of these circumstances has arisen from comments on the Draft PEIR; therefore, recirculation is not required. The Draft PEIR, the Final PEIR, and applicable appendices are available for review on line on the City's website by going to www.oxnard.org – Departments – Community Development - Planning Division – left hand drop down, Environmental Documents – Environmental Posting. You can also secure it by going to: <https://www.oxnard.org/city-department/public-works/public-works-integrated-master-plan/> and also available at <https://www.oxnard.org/citydepartment/communitydevelopment/planning/environmental-documents/> and at the addresses below:

City of Oxnard
305 3rd Street
Oxnard, CA 9030

Downtown Main Library
251 S A Street
Oxnard, CA 93030

South Oxnard Branch Library
4300 Saviers Road
Oxnard, CA 93030

As required by State CEQA Guidelines Section 15088(b), the City has provided a hard or electronic copy (through the City's website; see prior discussion) to each public agency that submitted written comments on the Draft EIR with written responses to that public agency's comments at least 10 days prior to certifying the Final EIR.

1.3 Organization of the Responses to Comments

Chapter 2 of the Final PEIR consists of the written comments received on the Draft PEIR, and presents responses to environmental issues raised in the comments (as required by State CEQA Guidelines Section 15132). The focus of the responses to comments is on the disposition of significant environmental issues that are raised in the comments, as required by Section 15088(c) of the State CEQA Guidelines. Each comment letter has been given a letter designation in the order it was received and reproduced with individual comments bracketed and numbered. Responses to the comments follow each letter. For example, the response to the second comment of the first letter would be indicated as Response to Comment A-2. In some instances, clarifications of the text of the Draft PEIR may be required. In those cases, the text of the Draft PEIR is revised and the changes compiled in Chapter 3, "Corrections and Revisions to the Draft PEIR," to the Draft PEIR. The text deletions are shown in ~~strikeout~~ (strikeout) and additions are shown in double underline (double underline).

1.4 Project Decision Process

This document and the Draft PEIR together constitute the Final PEIR, which will be considered by the City prior to a decision on whether to approve the project. If deciding to approve the project, the City, as required by State CEQA Guidelines Section 15090, must first certify that the Final PEIR was completed in compliance with CEQA's requirements, was reviewed and considered by the City, and reflects the City's independent judgment and analysis. The City would then be required to adopt Findings of Fact (a separate Document) on the disposition of each significant environmental impact, as required by State CEQA Guidelines Section 15091. If significant and unavoidable impacts (those that cannot be mitigated to less than significant) would result from the project and the City chooses to approve the project, the City would need to adopt a statement of overriding considerations, pursuant to Section 15093, explaining the overriding factors that the City deems allow the project to move forward. A Mitigation Monitoring and Reporting Program, which is required by CEQA Guidelines Section 15091(d), has been included as part of Appendix A of this Final PEIR.

Chapter 2 Comments Received

During the 45-day public review period (July 15 through August 30, 2019) the City received a total of four (4) comment letters on the Proposed Project. The City also received a letter from the State of California’s Governor’s Office of Planning and Research (i.e. State Clearinghouse) confirming the end of the 45-day public review period. The City did not receive any verbal comments from the public at the Public Hearing on August 15, 2019. The City has reviewed and considered all of the comments received as follows in Table 2-1 below. The letters including the letter from the State Clearinghouse are attached.

TABLE 2-1		
AGENCY COMMENT LETTERS RECEIVED		
Date	Commenting Agency	Comment Letter
August 2, 2019	Rick G. Draeger, Regional Engineer Department of Water Resources Division of Safety of Dams 1416 Ninth Street P.O. Box 942836 Sacramento, CA 94236-0001	A
August 29, 2019	Nicole Collazo, Planning Division Ventura County Air Pollution Control District 669 County Square Drive Ventura, CA 93003	B
August 29, 2019	Anitha Balan, Engineering Manager II County of Ventura Department of Public Works 800 South Victoria Avenue Ventura, CA 93009-1600	C
August 30, 2019	Kathleen Riedel, Groundwater Specialist Fox Canyon Groundwater Management Agency 800 South Victoria Avenue Ventura, CA 93009-1610	D

Letter A

DEPARTMENT OF WATER RESOURCES

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



AUG 02 2019

Mr. Steve Brown, Planner
City of Oxnard
Post Office Box 381
Roseville, California 95661

Environmental Document Transmittal for the City of Oxnard Public Works Integrated
Master Plan Project SCH2016071078
Ventura County

Dear Mr. Brown:

The Division of Safety of Dams (DSOD) has reviewed the Notice of Completion and Environmental Document Transmittal for the City of Oxnard Public Works Integrated Master Plan Project for the above referenced project (Project) which describes a proposed construction of an infiltration basin, to be used for stormwater retention on the subject parcels.

Insufficient information is provided regarding the infiltration basin in the Project description to make an accurate jurisdictional determination with regards to the described work and it is unclear whether part or all the work will be subject to State jurisdiction for dam safety. The information provided mentions an infiltration basin, but design drawings were not provided. Therefore, the City of Oxnard needs to submit preliminary plans so that DSOD can make an accurate jurisdictional determination.

As defined in Sections 6002 and 6003, Division 3, of the California Water Code, dams 25 feet or higher with a storage capacity of more than 15 acre-feet, and dams higher than 6 feet with a storage capacity of 50 acre-feet or more are subject to State jurisdiction. The dam height is the vertical distance measured from the maximum possible water storage level to the downstream toe of the barrier.

If the dam is subject to State jurisdiction, a construction application, together with plans, specifications, and the appropriate filing fee must be filed with the Division of Safety of Dams for this project. All dam safety related issues must be resolved prior to approval of the application, and the work must be performed under the direction of a Civil Engineer registered in California. Erik Malvick, our Design Engineering Branch Chief, is responsible for the application process and can be reached at (916) 565-7840.

If you have any questions or need additional information, you may contact Field Engineer Ashley Moran at (909) 214-1503 or me at (916) 565-7827.

Sincerely,

A handwritten signature in black ink, appearing to read "Rick G. Draeger".

Rick G. Draeger, Regional Engineer
Southern Region
Field Engineering Branch
Division of Safety of Dams

cc: (See Attached List)

A-1

Mr. Brown
AUG 02 2019
Page 2

cc: Governor's Office of Planning and Research
State Clearinghouse
state.clearinghouse@water.ca.gov



Letter B

VENTURA COUNTY AIR POLLUTION CONTROL DISTRICT Memorandum

TO: Kathleen Mallory, Planning & Sustainability Manager

DATE: August 29, 2019

FROM: Nicole Collazo, Planning Division

SUBJECT: Request for Comments on Draft Environmental Impact Report (DEIR) for the Proposed Oxnard Public Works Integrated Master Plan (RMA 16-019-1)

Air Pollution Control District (APCD) staff has reviewed the DEIR for the project referenced above. The proposed project is a public works project that would be implemented in phases through the City's 2030 planning horizon. The project will accommodate planned growth while maintaining treatment reliability, meeting future regulatory requirements, and optimizing costs, including infrastructure additions and upgrades for the City's water, wastewater, recycled, water, and stormwater utilities. The project location is within the City of Oxnard's Public Works infrastructure system. The Lead Agency for the project is the City of Oxnard.

GENERAL COMMENTS

As a recommending agency for the CEQA review of the DEIR, APCD concurs with the air quality impact and greenhouse gas emissions determinations. APCD would also like to note the following items in the DEIR.

Air Quality Section

Item 1- Page 3.3-6, AQMP. Since 1997, the APCD has adopted several Air Quality Management Plans (AQMP), including the 2004, 2007, and most recently, the 2016 AQMP. The 2016 AQMP presents Ventura County's strategy (including related mandated elements) to attain the 2008 federal 8-hour ozone standard by 2020, as required by the federal Clean Air Act Amendments of 1990 and applicable U.S. EPA clean air regulations. The 2016 AQMP uses an updated 2012 emissions inventory as baseline for forecasting data, SCAG RTP 2016 data, and CARB's EMFAC2014 emission factors for mobile sources.

B-1

Item 2- Page 3.3-7, Table 3.3-2. The air quality monitoring data presented in the discussion and Table 3.3-2 seems outdated (15-20 years old). We recommend obtaining more current air quality monitoring data as the air quality in the region has improved and does not reflect the current air quality in the region.

B-2

Item 3- Page 3.3-10, URBEMIS. The District and the California Air Pollution Control Officers Association (CAPCOA) recommends using the more updated air quality emissions estimation model CalEEMod Version 2016.3.2 for quantifying air emissions for discretionary projects. For more information on the model program, or to obtain a free downloadable copy, please click [here](#). **B-3**

Item 4- Page 3.3-12, MM 3.3-2e. The proposed construction mitigation measures are rightly taken from the APCD Air Quality Assessment Guidelines (AQAG), but the guidance document hasn't been updated in 16 years and more modern mitigation measures can be proposed that will minimize pollutant exposure to sensitive receptors within the vicinity of the project site. A fine example is using Tier 3 or Tier 4 for the off-road construction diesel equipment. We note compliance with the Off-Road state regulation already prohibits use of Tier 0, 1, and Tier 2 additions for medium and large fleets and Tier 2 phase-outs by 2023 for smaller fleets. This recommended measure is quite feasible due to the compliance requirements of the state Off-Road Diesel-Fueled Regulation. California Air Resources Board (CARB), which regulates mobile source emissions, has been mandated by the EPA to phase out older, dirtier on-road and off-road heavy-duty equipment via the Off-Road Diesel-Fueled Fleets Regulation and the On-Road Heavy-Duty Diesel Vehicles Regulation (more information for "[Off-Road](#)" and "[On-Road](#)" regulations). Some older-tiered equipment can still comply with the new air standards by retrofitting their equipment with DPM particulate filters and catalyst-based filters that incinerate NOx and other pollutants. **B-4**

Greenhouse Gas Emissions Section

Item 1- Page 3.5-10, Table 3.3-2. The air quality monitoring data presented in the discussion and Table 3.3-2 seems outdated (15-20 years old). We recommend obtaining more current air quality monitoring data as the air quality in the region has improved and does not reflect the current air quality in the region. **B-5**

Item 2- Page 3.5-13, URBEMIS. The District and the California Air Pollution Control Officers Association (CAPCOA) recommends using the more updated air quality emissions estimation model CalEEMod Version 2016.3.2 for quantifying air emissions for discretionary projects. For more information on the model program, or to obtain a free downloadable copy, please click [here](#). **B-6**

Item 3- Page 3.5-14, MM 3.5-1c. The proposed construction mitigation measures are rightly taken from the APCD Air Quality Assessment Guidelines (AQAG), but the guidance document hasn't been updated in 16 years and more modern mitigation measures can be proposed that will minimize pollutant exposure to sensitive receptors within the vicinity of the project site. A fine example is using Tier 3 or Tier 4 for the off-road construction diesel equipment. We note compliance with the Off-Road state regulation already prohibits use of Tier 0, 1, and Tier 2 additions for medium and large fleets and Tier 2 phase-outs by 2023 for smaller fleets. This recommended measure is quite feasible due to the compliance requirements of the state Off-Road Diesel-Fueled Regulation. California Air Resources Board (CARB), which regulates mobile source emissions, has been mandated by the EPA to phase out older, dirtier on-road and off-road heavy-duty equipment via the Off-Road Diesel-Fueled Fleets Regulation and the On-Road Heavy-Duty Diesel Vehicles Regulation (more information for "[Off-Road](#)" and "[On-Road](#)" regulations). Some older-tiered equipment can still comply with the new air standards by retrofitting their equipment with DPM particulate filters and catalyst-based filters that incinerate NOx and other pollutants. **B-7**

Long-Term Operational Impacts- We'd like to remind the City of Oxnard that any future emergency generators powered by diesel engines rate at or over 50 HP will require an APCD Permit to Operate. An Authority to Construct Application must be submitted to the District's Engineering Division prior to installation or construction of applicable diesel generators. **B-8**

Thank you for the opportunity to review this project's air quality impacts. If you have any questions, please call me at (805) 645-1426 or email nicole@vcapcd.org.

Letter C



County of Ventura
PUBLIC WORKS AGENCY
TRANSPORTATION DEPARTMENT
Traffic, Advance Planning & Permits Division
MEMORANDUM

DATE: 8/27/2019

TO: RMA Planning Division
Attention: Anthony Ciuffetelli

FROM: Anitha Balan, Engineering Manager II

A handwritten signature in blue ink, appearing to read 'Anitha', is written over the 'FROM' line.

SUBJECT: **REVIEW OF DOCUMENT 16-019-1** Draft PEIR

Project: **City of Oxnard Public Works Integrated Master Plan**

Lead Agency: **City of Oxnard, Community Development**

The City of Oxnard's proposed project is to construct and operate the City's Public Works Integrated Master Plan (PWIMP), which is comprised of improvements to the City's Water Supply, Recycled Water, Wastewater, and Stormwater Systems.

APN# 2020091400

Pursuant to your request, the Public Works Agency - Transportation Department has reviewed the Draft PEIR for the City of Oxnard Public Works Integrated Master Plan.

The City of Oxnard's proposed Project is to construct and operate the City's Public Works Integrated Master Plan (PWIMP), which is comprised of improvements to the City's Water Supply System, Recycled Water System, Wastewater System, and Stormwater System.

Water System Improvements: The goal of the proposed improvements to the City's water system is to increase the City's water supply by 12,000 acre-feet per year to offset future groundwater pumping restrictions and planned growth. these improvements include Water Supply and Quality Improvements and Water Supply Distribution Improvements.

Recycled Water System Improvements: The proposed improvements to the City's recycled water includes improvements to the City's recycled water system treatment facilities; recycled water pipeline distribution system; and Indirect Potable Recharge/Direct Potable Recharge facilities.

Wastewater System Improvements: The proposed improvements to the City's wastewater system includes improvements to the City's wastewater collection system and wastewater treatment system.

Stormwater System Improvements: The proposed stormwater system improvements include improvements to the City's existing stormwater collection system and the addition of new stormwater projects.

We offer the following comment(s):

1. The Programmatic Environmental Impact Report (PEIR) is for a plan of multiple construction projects but is not an EIR for a specific construction project. The City of Oxnard should consider the following comments when the environmental studies are prepared for individual projects.
 - a. Any project constructed in the County of Ventura road Right-of-Way will require an encroachment permit, prior to any construction. The City of Oxnard should contact the County of Ventura, Public Works Agency, Transportation Department, (PWATD) Permits Section to obtain an Encroachment Permit. **C-1**
 - b. The City of Oxnard when preparing the EIR for individual project should consider impacts from construction and construction related trips. **C-2**
 - c. The City of Oxnard when considering the working time of the construction projects should have the majority of the construction trips outside the AM and PM Peak hours to minimize impacts to the Regional Road Network. **C-3**
 - d. The City should require the Contractor to protect all pavements, curb and gutter, sidewalks, and drainage structures from damage caused by trucks and construction related trips. Any damage to road structures caused by construction traffic should be replaced and/or repaired in accordance with standard construction methods. **C-4**
 - e. The PEIR proposes the construction of several CIP projects through the year 2040. These projects as a whole or individually may have the potential to create a significant cumulative adverse impact on the County Regional Road Network (RRN). County General Plan Section 4.2.2 and County Ordinance 4246 require all new development to pay a Traffic Impact Mitigation Fee (TIMF) to mitigate the cumulative adverse impacts of traffic on the RRN. By paying a TIMF, the cumulative traffic impacts can be mitigated to Less Than Significant levels. **C-5**
 - f. The City of Oxnard should consider the County of Ventura, Public Works Agency, Transportation Department's Five-Year Pavement Plan when proposing project in the County ROW. If a project is proposed to occur within five years of the roadway being re-paved the City of Oxnard should work with the PWATD to time the two projects appropriately. The City is made aware that according to Transportation Department policy, the City will be required to completely overlay any County road that has been overlaid within the past five years. **C-6**
 - g. The City of Oxnard should provide the County of Ventura adequate time to review the environmental impacts of each individual project prior to the start of project. **C-7**
2. The County of Ventura, Public Works Agency, Transportation Department would like to received a copy of the Final Programmatic Environmental Impact Report for the City of Oxnard's Public Works Integrated Master Plan. **C-8**

Our review is limited to the impacts this project may have on the County's Regional Road Network.



**FOX CANYON
GROUNDWATER MANAGEMENT AGENCY**

A STATE OF CALIFORNIA WATER AGENCY

BOARD OF DIRECTORS

Eugene F. West, Chair, *Camrosa Water District*
David Borchard, Vice Chair, *Farmer, Agricultural Representative*
Steve Bennett, *Supervisor, County of Ventura*
Charlotte Craven, *Councilperson, City of Camarillo*
Robert Eranio, *Director, United Water Conservation District*

EXECUTIVE OFFICER

Jeff Pratt, P.E.

August 30, 2019

Ms. Kathleen Mallory, Planning & Sustainability Manager
City of Oxnard
214 South C Street
Oxnard, CA 93030

SUBJECT: Comments Re. Programmatic Environmental Impact Report, Public Works Integrated Master Plan (SCH #: 2016071078), Public Draft dated July 2019

Dear Ms. Mallory:

The Fox Canyon Groundwater Management Agency (Agency) appreciates the opportunity to comment on the *Programmatic Environmental Impact Report, Public Works Integrated Master Plan (PWIMP)* (SCH #: 2016071078), Public Draft prepared by SMB Environmental for the City of Oxnard (City), dated July 2019. The Agency is both the Groundwater Management Agency established by the California Legislature, and the Groundwater Sustainability Agency under the Sustainable Groundwater Management Act for the Oxnard Subbasin (Subbasin). As such, groundwater extractions are allocated by, and reported to, the Agency.

The Agency has no comments on the proposed infrastructure improvements; however, portions of the analyses related to future groundwater supply is anticipated to be outdated within the coming months.

Per PWIMP Section 2.1.2.1 - Water Supply and Subsection - Volume of Supply, "projections for the PWIMP show a supply gap of between 3,800 and 10,700 AFY". The supply gap estimate is "based on available water quantity and groundwater pumping restrictions, which are expected to be between 50 and 75 percent of historical in the long term." The supply gap analysis appears to be based in part on current and past groundwater allocation systems and past groundwater extractions. Information regarding the City's current and past groundwater allocation are presented in PWIMP Summary Report Revised Final Draft (2017) Tables 4.4, 4.7 and 4.8, and Water Project Memoranda 2.1(2017) Table 2, 2.5 (2015) Tables 1 and 2. The City's past groundwater supply, as presented in PWIMP Summary Report Revised Final Draft (2017) Table 4.5, and Water Project Memorandum 2.2 (2015) Table 3, does not appear to be accurate as the annual volumes of groundwater supply are less than, and thus not consistent with, the City's reported groundwater extractions. The volume of water estimated for the future water supply is

D-1

D-2

Ms. Kathleen Mallory
August 30, 2019
Page 2 of 2

anticipated to change with the adoption of the Subbasin Groundwater Sustainability Plan (GSP), anticipated to be adopted by the Agency Board in December 2019, and adoption of a new groundwater allocation system which is currently being developed. The projected water supply gap should be re-evaluated once the GSP and new allocation system are adopted as the existing analyses will then be based on obsolete allocation systems and an outdated understanding of the Subbasin.

The discussion of allocation transfers and storage credits described on Draft PEIR page 3.9-19 appear to allude to the accumulation and utilization of Recycled Water Pumping Allocation (Resolution No. 2013-02) and accumulation of injection credits associated with the proposed Aquifer Storage and Recovery (ASR) project. Based the City's past presentations to the Agency Board, the latter proposed ASR project which is to utilize Advanced Purified Water (associated with the Groundwater Recovery Enhancement and Treatment [GREAT] Program), is a pilot program and still in the design and permitting stage.

D-3

The Agency looks forward to working with the City of Oxnard on water supply projects that benefit the subbasin and participating in development of the City's Water Resources Management Plan. If you have any questions regarding the comments provided, please call me at (805) 654-2954.

Best regards,



Kathleen Riedel, P.G., C.E.G.
Groundwater Specialist

Cc: Jeff Pratt, P.E., Executive Officer

KR/kr/F:\gma\Business Administration\Correspondence\2019\190830 Ltr to City of Oxnard_ RE PEIR PW
Integrated Master Plan.docx



Gavin Newsom
Governor

STATE OF CALIFORNIA
Governor's Office of Planning and Research
State Clearinghouse and Planning Unit



Kate Gordon
Director

September 5, 2019

Steve Brown
Oxnard, City of
P.O. Box 381
Roseville, CA 95661

Subject: City of Oxnard Public Works Integrated Master Plan Project
SCH#: 2016071078

Dear Steve Brown:

The State Clearinghouse submitted the above named EIR to selected state agencies for review. The review period closed on 8/30/2019, and the comments from the responding agency (ies) is (are) available on the CEQA database for your retrieval and use. If this comment package is not in order, please notify the State Clearinghouse immediately. Please refer to the project's ten-digit State Clearinghouse number in future correspondence so that we may respond promptly.

Please note that Section 21104(c) of the California Public Resources Code states that:

“A responsible or other public agency shall only make substantive comments regarding those activities involved in a project which are within an area of expertise of the agency or which are required to be carried out or approved by the agency. Those comments shall be supported by specific documentation.”

Check the CEQA database for submitted comments for use in preparing your final environmental document: <https://ceqanet.opr.ca.gov/2016071078/2>. Should you need more information or clarification of the comments, **we recommend that you contact the commenting agency directly.**

This letter acknowledges that you have complied with the State Clearinghouse review requirements for draft environmental documents, pursuant to the California Environmental Quality Act. Please contact the State Clearinghouse at (916) 445-0613 if you have any questions regarding the environmental review process.

Sincerely,

Scott Morgan
Director, State Clearinghouse

cc: Resources Agency

Chapter 3 Responses to Comments

This chapter evaluates the comments received during the 45-day public review period (July 15 through August 30, 2019). The City received four (4) comment letters and did not receive any verbal comments from the public at the Public Hearing on August 15, 2019. The City has reviewed and considered all of the comments received and provides a response to each of those comments as provided for below.

COMMENT LETTER A – DEPARTMENT OF WATER RESOURCES - DIVISION OF SAFETY OF DAMS

Comment A-1. Comment Noted. Thank you for your letter and the information regarding the size of dam and storage facilities that are subject to state regulation/jurisdiction. At the present time, the City does not have specific information as to the size and location of a possible stormwater detention basin(s). This Project is still at the concept planning level and is easily 5- to 10-years away from being seriously considered. Consistent with the intentions of the programmatic nature of this PEIR, the City will prepare site-specific plans and details of individual projects and then undergo project-specific environmental review and compliance in the future. As part of this the City will have a qualified engineer(s) that are registered in California prepare the detailed design drawings and feasibility report(s). In addition, the City will submit design drawings and pertinent information to the Division of Safety of Dams as appropriate and if the dam is 25-feet or higher with a storage capacity of more than 15 acre-feet or dams or if the dam is 6-foot or higher with a storage capacity of 50 acre-feet or more.

COMMENT LETTER B - VENTURA COUNTY AIR POLLUTION CONTROL DISTRICT

Comment B-1. Comment Noted. Thank you for your letter and concurrence with the air quality and greenhouse gas emission determinations. In addition, the City has updated the Draft PEIR with the specific updated information the Ventura Air Pollution Control District (VAPCD) provided on the Air Quality Management Plan (AQMP). Please see Chapter 4 for the minor revisions to the Draft PEIR, which do not change any of the determinations.

Comment B-2. Comment Noted. We agree and have provided updated air quality monitoring data. Please see Chapter 4 – Revision to the Draft PEIR for the specific and minor updates to Table 3.3-2 and corresponding/supporting text.

Comment B-3. Comment noted that the VAPCD and the California Air Pollution Control Officers Association (CAPCOA) recommends using the more updated air quality emissions estimation model CalEEMod Version 2016.3.2 for quantifying air emissions for discretionary projects. Please see Chapter 4 – Revision to the Draft PEIR for specific and minor changes to Mitigation Measure 3.3-2a noting that VAPCD and the California Air Pollution Control Officers Association (CAPCOA) recommends using the more updated air quality emissions estimation model CalEEMod Version 2016.3.2 for quantifying air emissions for discretionary projects.

Comment B-4. Comment Noted. Please see Chapter 4 – Revision to the Draft PEIR for specific and minor changes to Mitigation Measure 3.3-2e noting that ROC and NOx construction measures should be consistent with VAPCD’s current Air Quality Assessment Guidelines and as updated.

Comment B-5. Comment Noted. We agree and have provided updated air quality monitoring data. Please see Chapter 4 – Revision to the Draft PEIR for the specific and minor updates to ~~Table 3.3-2~~ Table 3.5-2 and corresponding/supporting text.

Comment B-6. Comment noted that the VAPCD and the CAPCOA recommends using the more updated air quality emissions estimation model CalEEMod Version 2016.3.2 for quantifying air emissions for discretionary projects. Please see Chapter 4 – Revision to the Draft PEIR for specific and minor changes to Mitigation Measure 3.5-2a noting that VAPCD and the California Air Pollution Control Officers Association (CAPCOA) recommends using the more updated air quality emissions estimation model CalEEMod Version 2016.3.2 for quantifying air emissions for discretionary projects.

Comment B-7. Comment Noted. Please see Chapter 4 – Revision to the Draft PEIR for specific and minor changes to Mitigation Measure 3.5-2c noting that ROC and NOx construction measures should be consistent with VAPCD's current Air Quality Assessment Guidelines and as updated.

Comment B-8. Comment Noted. The City understands that any future emergency generators powered by diesel engines rate at or over 50 HP will require an VAPCD Permit to Operate. An Authority to Construct Application will be submitted to the District's Engineering Division prior to installation or construction of applicable diesel generators. Please see Chapter 4 – Revision to the Draft PEIR for specific and minor changes to Table 2-18 in Chapter 2 – Project Description to include VAPCD's Permit to Operate.

COMMENT LETTER C - COUNTY OF VENTURA DEPARTMENT OF PUBLIC WORKS

Comment C-1. Comment Noted. Thank you for your comment letter and information regarding the County of Ventura Public Works' (County) involvement in PWIMP projects that could affect the County's Regional Road Network. The County correctly points out that the PEIR is for a plan of multiple construction projects but is not an EIR for a specific construction project. As such, the City agrees that any project constructed in the County of Ventura road Right-of-Way will require an encroachment permit, prior to any construction. In this regard and as indicated in the revised Table 2-18, the City of Oxnard will contact the County of Ventura, Public Works Agency, Transportation Department, (PWATD) Permits Section to obtain an Encroachment Permit. Please see Chapter 4 – Revision to the Draft PEIR for specific and minor changes to Table 2-18 in Chapter 2 – Project Description to include the County's Encroachment Permit.

Comment C-2. Comment noted. When preparing environmental compliance documents for individual projects under the PWIMP umbrella, the City will consider impacts from construction and construction related trips.

Comment C-3. Comment Noted. When considering the working time of the construction projects the City will, to the extent possible or practical, seek to have the majority of the construction trips outside the AM and PM Peak hours to minimize impacts to the Regional Road Network.

Comment C-4. Comment Noted. The City will require the selected Contractor(s) to protect all pavements, curb and gutter, sidewalks, and drainage structures from damage caused by trucks and construction related trips. Any damage to road structures caused by construction traffic will be replaced and/or repaired in accordance with standard construction methods.

Comment C-5. Comment Noted. The commenter correctly points out that the PEIR proposes the construction of several CIP projects through the year 2040. These projects as a whole or individually may

have the potential to create a significant cumulative adverse impact on the County's Regional Road Network (RRN). The City understands that County General Plan Section 4.2.2 and County Ordinance 4246 require all new development to pay a Traffic Impact Mitigation Fee (TIMF) to mitigate the cumulative adverse impacts of traffic on the RRN. By paying a TIMF, the City agrees that cumulative traffic impacts would be mitigated to less-than-significant levels.

Comment C-6. Comment Noted. The City will consider the County of Ventura, Public Works Agency, Transportation Department's Five-Year Pavement Plan when proposing any projects in the County ROW. If a project is proposed to occur within five years of the roadway being re-paved, the City will work with the PWATD to time the two projects appropriately. The City is aware that according to Transportation Department policy, the City will be required to completely overlay any County road that has been overlaid within the past five years.

Comment C-7. Comment Noted. The City of Oxnard will provide the County of Ventura adequate time to review the environmental impacts of each individual project prior to the start of any PWIMP project.

Comment C-8. Comment Noted. As required by CEQA, the City will provide the County of Ventura, Public Works Agency, Transportation Department and any other commenting agency a copy of the Final Programmatic Environmental Impact Report for the City's Public Works Integrated Master Plan.

COMMENT LETTER D – FOX CANYON GROUNDWATER MANAGEMENT AGENCY

Comment D-1. Comment Noted. Thank you for your comment letter and the City looks forward to working with the Agency on water supply projects that benefit the Oxnard Subbasin. The City acknowledges that portions of the analyses related to future groundwater supply is anticipated to be outdated within the coming months and the City will continue to work with the Agency when implementing the individual PWIMP water supply and recycled water projects that could affect groundwater resources in the Oxnard Subbasin. Please see Chapter 4 – Revision to the Draft PEIR for specific changes to Table 2-18 in Chapter 2 – Project Description to include the Agency's Encroachment Permit.

Comment D-2. Comment Noted. The projected water supply gap will be re-evaluated with the Agency once the Oxnard Subbasin Groundwater Sustainability Plan (GSP) and new allocation system are adopted as the existing analyses will then be based on obsolete allocation systems and an outdated understanding of the Oxnard Subbasin.

Comment D-3. Comment Noted. The commenter correctly points out that based the City's past presentations to the Agency Board, the latter proposed ASR project which is to utilize Advanced Purified Water (associated with the Groundwater Recovery Enhancement and Treatment [GREAT] Program), is a pilot program and still in the design and permitting stage. Again, the City will continue to work with the Agency when implementing the individual PWIMP water supply and recycled water projects that could affect groundwater resources in the Oxnard Subbasin.

Chapter 4 Revisions to the Draft PEIR

This chapter shows revisions to the July 2019 Public Draft PEIR, subsequent to the document’s publication and public review. The revisions are primarily from comments received. Other minor edits that do not substantially change the importance of or conclusions made in the 2019 Draft PEIR have not been reflected in this document. The revisions are presented in the order in which they appear in the Public Draft PEIR and are identified by section and page number in respective chapters. These revisions are shown as excerpts from the Public Draft PEIR, with strikethrough (~~strikethrough~~) text in indicate deletions and underlined (underlined) text to indicate additions. The following revisions are shown below.

Chapter 2 Project Description

On page 2-716, Table 2-18 is hereby revised as follows:

Table 2-18 Potential Regulatory Requirements, Permits, and Authorizations for Project Facilities Public Works Implementation Plan City of Oxnard		
Agency	Permit or Approval	Activity Requiring Permit or Approval/Comment
Federal		
Bureau of Reclamation	Discretionary Funding Approval	Required if federal funding is used for construction of any PWIMP Program element
State		
California Coastal Commission	Coastal Development Permit	Required because portions of the projects would be located within the coastal zone
	Federal Consistency Review	Required if federal funding is used for construction of project facilities
California Department of Health Services	Domestic Water Permit Amendment	Required to add operation of new water supply facilities to the City of Oxnard’s current Domestic Water Permit
	Title 22 Engineering Report Approval	Required for approval to operate the water recycling element of the PWIMP
California Department of Transportation, District 7	Encroachment Permit	Required for use of Caltrans road right-of-ways
California Division of Occupational Safety and Health	Construction Permit	Required for construction of facilities
	Trenching and Excavation Permit	Required for the construction of conveyance pipelines
	Tunneling Permit	Required for portions of the water supply and/or recycled water delivery system that are tunneled beneath roadways or drainage crossings
California Regional Water Quality Control Board, Los Angeles Region (4)	National Pollutant Discharge Elimination System (NPDES) Permit	Required for discharges to surface or groundwater
	Waste Discharge Requirements (WDR)	Required for desalination and brine discharge
	Construction General Permit 99-08- DWQ	Required for projects that disturb more than 5 acres (including trenching and staging areas)

Table 2-18 Potential Regulatory Requirements, Permits, and Authorizations for Project Facilities Public Works Implementation Plan City of Oxnard		
Agency	Permit or Approval	Activity Requiring Permit or Approval/Comment
Local		
<u>County of Ventura Public Works</u>	<u>Encroachment Permit</u>	<u>Projects that could affect the County's Regional Roadway Network</u>
<u>Fox Canyon Groundwater Management Agency</u>	<u>Compliance with Oxnard Subbasin Groundwater Sustainability Plan</u>	<u>Water Supply and Recycled Water Project that could affect groundwater resources</u>
<u>Ventura County Air Pollution Control District</u>	<u>Permit to Operate</u>	<u>Any future emergency generators powered by diesel engines rate at or over 50 HP.</u>

Section 3.3 Air Quality

On page 3.3-6, the second paragraph is hereby revised as follows:

The VCAPCD developed the 1991 Ventura County Air Quality Management Plan (AQMP) in response to the CCAA. The 1991 AQMP addressed attainment of the California air quality standards for ozone. The 1991 AQMP was amended in 1994, 1995, and 1997 to provide further emissions reduction guidance. ~~The VCAPCD is currently revising the AQMP to comply with the Federal requirements regarding conformity of transportation activities to federally approved air quality plans (transportation conformity).~~ Since 1997, the APCD has adopted several Air Quality Management Plans (AQMP), including the 2004, 2007, and most recently, the 2016 AQMP. The 2016 AQMP presents Ventura County's strategy (including related mandated elements) to attain the 2008 federal 8-hour ozone standard by 2020, as required by the federal Clean Air Act Amendments of 1990 and applicable U.S. EPA clean air regulations. The 2016 AQMP uses an updated 2012 emissions inventory as baseline for forecasting data, SCAG RTP 2016 data, and CARB's EMFAC2014 emission factors for mobile sources.

Starting on page 3.3-6, the section 3.3.3.2 is hereby revised as follows:

3.3.3.2 Existing Emission Sources and Emission Levels

Emissions are divided into two main categories: stationary and mobile. Stationary sources are those emission sources, such as industrial processes, burning crop residuals, and exposed soils/minerals (source of dust or Particulate Matter - PM₁₀) that are fixed in place. Within the City, stationary-source pollutants include ozone precursors associated with local industrial processes and PM₁₀ emissions associated with road dust, burning, construction and demolition activities, and fuel combustion (at stationary locations, such as industry residences). Natural sources of PM₁₀ emissions include those resulting from wildfires. The primary source of mobile emissions is vehicles (automobiles, passenger trucks, trucks, and buses). Vehicle emissions are also the primary source of ozone precursors.

The VCAPCD has established several monitoring stations in the South Central Coast Air Basin to measure air quality conditions. The nearest monitoring station to the City is located in El Rio, which is

adjacent and to the north of the City of Oxnard. Monitoring data from the El Rio monitoring station is shown in Table 3.3-2.

PM₁₀ and PM_{2.5}. The State 24-hour PM₁₀ standard was exceeded between 0 and 5 times from 1999 to 2004 at the El Rio monitoring station. There is no State 24-hour PM_{2.5} standard. ~~The Federal 24-hour PM_{2.5} standard was exceeded one time in 2003 and at no other time from 1999 to 2004.~~

Ozone. The State 1-hour ozone standard was exceeded once in ~~1999~~ 2014 and has not been exceeded since. ~~The State 8-hour standard is not expected to become effective until early 2006.~~ Initial 8-hour monitoring data indicates that the State 8-hour standard may occasional be exceeded at the El Rio monitoring station.

Table 3.3-2									
Summary of PM₁₀, PM_{2.5}, and Ozone Air Quality Monitoring Data (1999-2004)									
Pollutant Monitoring Station	Parameter	Standard		Year					
		Federal	California	1999	2000	2001	2002	2003	2004
PM₁₀ (µg/m³)									
El Rio	Annual geometric mean	NA	20	29	28	29	29	NA	29
	Annual arithmetic mean	50	NA	28	27	28	28	31	28
	24 hour maximum	150	50	50	52	53	100	127	59
	Days above State standards	-	-	0	1	3	2	5	1
PM_{2.5}									
El Rio	Annual geometric mean	N/A	12	N/A	N/A	13	N/A	N/A	11
	Annual arithmetic mean	15	N/A	N/A	N/A	N/A	13	12	11
	24 hour maximum	65	N/A	37	46	41	29	82	29
	Days above State standards			0	0	0	0	1	0
Ozone (ppm)									
El Rio	1-hour maximum	NA	0.09	0.10	0.08	0.09	0.09	0.08	0.08
	Days above State Standards			1	0	0	0	0	0
	8-hour Maximum	0.08	0.076	0.08	0.07	0.07	0.07	0.07	0.08
	Days above State Standards			N/A	N/A	N/A	N/A	N/A	N/A

Table 3.3-2									
Summary of PM10, PM2.5, and Ozone Air Quality Monitoring Data (1999-2004)									
Pollutant Monitoring Station	Parameter	Standard		Year					
		Federal	California	1999	2000	2001	2002	2003	2004
Notes: N/A = not available. Days above standard means days with one or more exceedance of the 1-hour ozone standards – The State 8-hour ozone standard was approved by the CARB on April 28, 2005 and is expected to become effective in early 2006.									
Source: California Air Resources Board, 2016									

As of 2015, the Ventura County air basin is in attainment with, or is unclassified with respect to, all federal and state ambient air quality standards except for ozone and PM₁₀.

Table 3.3-2									
Summary of PM10, PM2.5, and Ozone Air Quality Monitoring Data (2013-2018)									
Pollutant Monitoring Station	Parameter	Standard		Year					
		Federal	California	2013	2014	2015	2016	2017	2018
PM10 (µg/m³)									
El Rio	Annual Average	N/A	20	24.3	27.4	25.6	N/A	29.0	26.6
	24-hour	150	50	183.4	115.3	92.0	101.6	286.0	208.4
	Days above State 24-hour standard			4	7	6	14	29	21
PM2.5 (µg/m³)									
El Rio	Annual Average	15	12	9.0	9.4	9.6	8.1	N/A	8.3
	24-hour	35	N/A	19.9	22.2	25.5	22.7	81.3	41.2
	Days above National 24-hour standard			0	0	0	0	4	1
Ozone (ppm)									
El Rio	1-hour	N/A	0.09	0.067	0.112	0.070	0.084	0.084	0.072
	Days above State 1-hour Standard			0	1	0	0	0	0
	8-hour	0.070	0.070	0.063	0.077	0.066	0.071	0.072	0.062
	Days above State 8-hour Standard			0	2	0	1	1	0
Notes: N/A = not available. Days above standard means days with one or more exceedance of the 1-hour ozone standards – The national 1-hour ozone standard was revoked in June 2005. On October 2015, the EPA revised the 2008 national 8-hour ozone standard. Values in bold are in excess of the applicable standard.									
Source: California Air Resources Board, 2019									

On page 3.3-11, Mitigation Measure 3.3-2a is hereby revised as follows:

Mitigation Measure 3.3-2a: Calculate Air Emissions. For each individual or group of PWIMP projects to be constructed, the City shall calculate air quality emissions using an appropriate air emissions computer program, as appropriate. ~~V~~CAPCD recommends using the URBEMIS computer program that was originally developed by the California Air Board. ~~V~~APCD and the California Air Pollution Control

Officers Association (CAPCOA) recommends using the more updated air quality emissions estimation model CalEEMod Version 2016.3.2 for quantifying air emissions for discretionary projects. However, other models such as the Sacramento Metropolitan Air Quality Management District's (SMAQMD) Roadway Construction Emissions Model can be effective in assessing the emissions of linear construction projects. The model run(s) will establish estimated construction emissions, which will be used to establish a construction emissions control plan as described in **Mitigation Measure 3.3-2b** below.

On page 3.3-13, Mitigation Measure 3.3-2e is hereby revised as follows:

Mitigation Measure 3.3-2e: ROC and NOx Construction Measures. For each individual or group of PWIMP projects to be constructed, the City shall, to the extent applicable and possible, require its construction contractor(s) to implement ROC and NOx construction measures, consistent with VAPCD's current Air Quality Assessment Guidelines and as updated.

- Minimize equipment idling time.
- Maintain equipment engines in good condition and in proper tune as per manufacturers' specifications.
- Lengthen the construction period during smog season (May through October), to minimize the number of vehicles and equipment operating at the same time.
- Use alternatively fueled construction equipment, such as compressed natural gas (CNG), liquefied natural gas (LNG), or electric, if feasible.

Section 3.5 Greenhouse Gases

Starting on page 3.5-10, the section 3.5.3.2 is hereby revised as follows:

3.5.3.2 Existing Emission Sources and Emission Levels

Emissions are divided into two main categories: stationary and mobile. Stationary sources are those emission sources, such as industrial processes, burning crop residuals, and exposed soils/minerals (source of dust or Particulate Matter - PM₁₀) that are fixed in place. Within the City, stationary-source pollutants include ozone precursors associated with local industrial processes and PM₁₀ emissions associated with road dust, burning, construction and demolition activities, and fuel combustion (at stationary locations, such as industry residences). Natural sources of PM₁₀ emissions include those resulting from wildfires. The primary source of mobile emissions is vehicles (automobiles, passenger trucks, trucks, and buses). Vehicle emissions are also the primary source of ozone precursors.

The VCAPCD has established several monitoring stations in the South Central Coast Air Basin to measure air quality conditions. The nearest monitoring station to the City is located in El Rio, which is adjacent and to the north of the City of Oxnard. Monitoring data from the El Rio monitoring station is shown in ~~Table 3.3-2~~ Table 3.5-2.

PM₁₀ and PM_{2.5}. The State 24-hour PM₁₀ standard was exceeded between 0 and 5 times from 1999 to 2004 at the El Rio monitoring station. There is no State 24-hour PM_{2.5} standard. The Federal 24-hour PM_{2.5} standard was exceeded one time in 2003 and at no other time from 1999 to 2004.

Ozone. The State 1-hour ozone standard was exceeded ~~once in 1999~~ 2014 and has not been exceeded since. ~~The State 8-hour standard is not expected to become effective until early 2006.~~ Initial 8-hour

monitoring data indicates that the State 8-hour standard may occasional be exceeded at the El Rio monitoring station.

Table 3.3-2 Summary of PM10, PM2.5, and Ozone Air Quality Monitoring Data (1999-2004)									
Pollutant Monitoring Station	Parameter	Standard		Year					
		Federal	California	1999	2000	2001	2002	2003	2004
PM10 ($\mu\text{g}/\text{m}^3$)									
El Rio	Annual geometric mean	NA	20	29	28	29	29	NA	29
	Annual arithmetic mean	50	NA	28	27	28	28	31	28
	24-hour maximum	150	50	50	52	53	100	127	59
	Days above State standards	-	-	0	1	3	2	5	1
PM_{2.5}									
El Rio	Annual geometric mean	N/A	12	N/A	N/A	13	N/A	N/A	11
	Annual arithmetic mean	15	N/A	N/A	N/A	N/A	13	12	11
	24-hour maximum	65	N/A	37	46	41	29	82	29
	Days above State standards			0	0	0	0	1	0
Ozone (ppm)									
El Rio	1-hour maximum	NA	0.09	0.10	0.08	0.09	0.09	0.08	0.08
	Days above State Standards			1	0	0	0	0	0
	8-hour Maximum	0.08	0.076	0.08	0.07	0.07	0.07	0.07	0.08
	Days above State Standards			N/A	N/A	N/A	N/A	N/A	N/A
<p>Notes: N/A — not available. Days above standard means days with one or more exceedance of the 1-hour ozone standards. The State 8-hour ozone standard was approved by the CARB on April 28, 2005 and is expected to become effective in early 2006.</p> <p>Source: California Air Resources Board, 2005</p>									

Table 3.5-2									
Summary of PM10, PM2.5, and Ozone Air Quality Monitoring Data (2013-2018)									
Pollutant Monitoring Station	Parameter	Standard		Year					
		Federal	California	2013	2014	2015	2016	2017	2018
PM10 (µg/m³)									
El Rio	Annual Average	N/A	20	24.3	27.4	25.6	N/A	29.0	26.6
	24-hour	150	50	183.4	115.3	92.0	101.6	286.0	208.4
	Days above State 24-hour standard			4	7	6	14	29	21
PM2.5 (µg/m³)									
El Rio	Annual Average	15	12	9.0	9.4	9.6	8.1	N/A	8.3
	24-hour	35	N/A	19.9	22.2	25.5	22.7	81.3	41.2
	Days above National 24-hour standard			0	0	0	0	4	1
Ozone (ppm)									
El Rio	1-hour	N/A	0.09	0.067	0.112	0.070	0.084	0.084	0.072
	Days above State 1-hour Standard			0	1	0	0	0	0
	8-hour	0.070	0.070	0.063	0.077	0.066	0.071	0.072	0.062
	Days above State 8-hour Standard			0	2	0	1	1	0
<p>Notes: N/A = not available. Days above standard means days with one or more exceedance of the 1-hour ozone standards – The national 1-hour ozone standard was revoked in June 2005. On October 2015, the EPA revised the 2008 national 8-hour ozone standard. Values in bold are in excess of the applicable standard.</p>									
<p>Source: California Air Resources Board, 2019</p>									

As of 2015, the Ventura County air basin is in attainment with, or is unclassified with respect to, all federal and state ambient air quality standards except for ozone and PM₁₀.

On Page 3.5-12, Mitigation Measure 3.5-1a is hereby revised as follows:

Mitigation Measure 3.5-1a: Calculate Air Emissions. For each individual PWIMP project(s), set of Projects, and/ or construction activity, the City shall calculate air quality emissions using an appropriate air emissions computer program, as appropriate. ~~VCAPCD recommends using the URBEMIS computer program that was originally developed by the California Air Board.~~ VAPCD and the California Air Pollution Control Officers Association (CAPCOA) recommends using the more updated air quality emissions estimation model CalEEMod Version 2016.3.2 for quantifying air emissions for discretionary projects. However, other models such as the Sacramento Metropolitan Air Quality Management District's (SMAQMD) Roadway Construction Emissions Model can be effective in assessing the emissions of linear construction projects. The model run(s) will establish estimated construction emissions, which will be used to establish a construction emissions control plan as described in Mitigation Measure 3.5-1b below.

On Page 3.5-14, Mitigation Measure 3.5-1c is hereby revised as follows:

Mitigation Measure 3.5-1c: ROC and NO_x Construction Measures. For each individual PWIMP Project(s), set of Projects, and/ or construction activity, the City shall, to the extent applicable and possible, require its construction contractor(s) to implement ROC and NO_x construction measures, consistent with VAPCD's current Air Quality Assessment Guidelines and as updated.

- Minimize equipment idling time.
- Maintain equipment engines in good condition and in proper tune as per manufacturers' specifications.
- Lengthen the construction period during smog season (May through October), to minimize the number of vehicles and equipment operating at the same time.
- Use alternatively fueled construction equipment, such as compressed natural gas (CNG), liquefied natural gas (LNG), or electric, if feasible.

Section 3.9 Hydrology and Water Quality

Starting on page 3.9-36, the Mitigation Measure 3.9-2a is hereby revised as follows:

Mitigation Measure 3.9-2a: Prepare Groundwater/Hydrogeologic Plan and/or Monitoring/Modeling. The City shall, in conjunction with the requirements of SGMA and other local requirements, prepare an implementation plan for the groundwater that is extracted and recharged from this Project in the PWIMP planning area and including on the southern Oxnard Plain and Pleasant Valley areas. This plan will provide the details of how groundwater will be recovered and the best management practices that will be implemented, including, but not limited to:

- The City shall coordinate with FCGWMA and will continue to contribute to the ~~UWCD~~ ongoing basin-wide groundwater monitoring program for the Oxnard Plain and Pleasant Valley areas program to assist with the collection of data that are necessary to monitor and evaluate the effects from groundwater that is extracted and recharged by the PWIMP facilities. It is assumed that the City will have full access to the ~~UWCD~~ groundwater monitoring database to assist the City with performing the routine annual evaluation described below.
- The City shall ~~perform annual groundwater/hydrogeologic evaluations and prepare annual evaluation reports~~ coordinate with FCGMA to help document the groundwater/hydrogeologic conditions and effects from implementation of the PWIMP facilities including but not limited to surface and groundwater interactions, seawater intrusion, and water quality impacts such as turbidity, taste, odor, nutrients, and TDS. ~~These reports will be submitted to UWCD, FCGMA, and other interested stakeholders involved with water resources management in the Oxnard Plain and Pleasant Valley areas.~~
- As necessary, the City shall adjust the groundwater that is extracted and/or recharged on the southern Oxnard Plain and Pleasant Valley areas to reduce potential significant impacts to groundwater resources. These adjustments, in part, will be based on comments received by ~~UWCD, FCGMA,~~ and other interested stakeholders involved with water resources management in the Oxnard Plain and Pleasant Valley areas.

Significance after Mitigation: Less than Significant.

Chapter 5 PWIMP and PEIR Preparers

This section presents preparers and reviewers of the PWIMP and the Program EIR.

City of Oxnard

City Manager's Office
300 West Third Street – 4th Floor
Oxnard, CA 93030

- Scott Whitney, Former Interim City Manager
- Alexander Nguyen, Current City Manager

Office of the City Attorney
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- Thein Ng, P.E., Assistant Public Works Director

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- Tracy Warriner, Program Manager
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SMB Environmental, Inc.

PEIR Preparers
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Roseville, CA 95661

- Steve Brown, Project Manager and Principal Preparer
- Dan Jones, Air Quality
- Daniel Shoup, Cultural and Tribal Resources
- Terra Stoddard, Biological Resources

Appendix A

Mitigation Monitoring and Reporting Program

MITIGATION MONITORING AND REPORTING PROGRAM

City of Oxnard Public Works Integrated Master Plan Final Programmatic Environmental Impact Report

SCH#: 2016071078

Prepared for:

City of Oxnard
214 South "C" Street
Oxnard, CA 93030

Prepared by:



SMB Environmental, Inc.

October 2019

INTRODUCTION

On July 15, 2019, the City of Oxnard (City) released for public review the Draft Programmatic Environmental Impact Report (Draft PEIR) (State Clearinghouse Number: 2016071078) to provide the public and responsible agencies with information about the potential environmental effects of the City's proposed Public Works Integrated Master Plan (PWIMP, Project, and/or Proposed Project). The City is the lead agency under the California Environmental Quality Act (CEQA) and has principal responsibility for approving the Proposed Project.

The purpose of the PWIMP is to provide a central planning document to guide improvements to the City's water infrastructure through the planning horizon (2030). Specifically, the PWIMP addresses future planning needs including infrastructure additions and upgrades for City's water, wastewater, recycled water, and stormwater utilities.

CEQA Guidelines require public agencies to adopt a Mitigation Monitoring and Reporting Program (MMRP) for changes to the project, which it has adopted or made a condition of project approval in order to mitigate or avoid significant effects on the environment. A MMRP is required for the Proposed Project because the Draft PEIR identifies potentially significant adverse impacts related to project implementation, and mitigation measures have been identified to reduce those impacts.

On July 15, 2019, to initiate public review of the Draft PEIR, the City filed a Notice of Completion (NOC) for the project with the Governor's Office of Planning and Research (State Clearinghouse or SCH) and a Notice of Availability (NOA) with the County of Ventura and released the Draft PEIR for a 45-day public review. The State Clearinghouse identified the project with SCH #2016071078. The 45-day public review period was established between July 15 and August 30, 2019, with copies of the Draft PEIR available for review on the City's website at www.oxnard.org; the City's front desk at 214 South "C" Street, Oxnard, CA 93030; Downtown Main Library, 251 S A Street, Oxnard, CA 93030 and the South Oxnard Branch Library, 4300 Saviers Road, Oxnard, CA 93030.

In September 2019, the City prepared a Final PEIR according to CEQA Guidelines and incorporated all comments received by the State Clearinghouse and the City during the 45-day public review period. As a result, some of the mitigation measures identified in the Public Draft PEIR have been revised to

reflect those comments. Based on the Final PEIR, the Proposed Project would not result in new significant impacts, substantially increase the severity of previously disclosed impacts, or involve any of the other conditions related to changed circumstances or new information that can require recirculation pursuant to Section 15088.5(a) of the State CEQA Guidelines.

PURPOSE OF MITIGATION MONITORING AND REPORTING PROGRAM

This MMRP has been prepared to ensure that all required mitigation measures are implemented and completed in a satisfactory manner before and during project construction and operation. The MMRP may be modified by the City during project implementation, as necessary, in response to changing conditions or other refinements. Table A (included at the end of this document) has been prepared to assist the responsible parties in implementing the mitigation measures. The table identifies individual mitigation measures, monitoring/mitigation timing, responsible person/agency for implementing the measure, monitoring and reporting procedure, and space to confirm implementation of the mitigation measures. The numbering of mitigation measures follows the numbering sequence found in the Public Draft PEIR.

ROLES AND RESPONSIBILITIES

Unless otherwise specified herein, the City is responsible for taking all actions necessary to implement the mitigation measures under its jurisdiction according to the specifications provided for each measure and for demonstrating that the action has been successfully completed. The City, at its discretion, may delegate implementation responsibility or portions thereof to a licensed contractor or other designated agent. The City would be responsible for overall administration of the MMRP and for verifying that City staff members and/or the construction contractor has completed the necessary actions for each measure.

The City would designate a project manager to oversee implementation of the MMRP. The City is primarily responsible for implementing the mitigation measures for the Proposed Project as described in this MMRP. Duties of the project manager include the following:

- Ensure that routine inspections of the construction site are conducted by appropriate City staff; check plans, reports, and other documents required by the MMRP; and conduct report activities.

- Serve as a liaison between the City and the contractor or project applicant regarding mitigation monitoring issues.
- Complete forms and maintain reports and other records and documents generated by the MMRP.
- Coordinate and ensure that corrective actions or enforcement measures are taken, if necessary.

The responsible party for implementation of each item shall identify the staff members responsible for coordinating with the City on the MMRP.

REPORTING

The City’s Director of Public Works shall prepare a monitoring report, upon completion of the project, on the compliance of the activity with the required mitigation measures. Information regarding inspections and other requirements shall be compiled and explained in the report. The report shall be designed to simply and clearly identify whether mitigation measures have been adequately implemented. At a minimum, each report shall identify the mitigation measures or conditions to be monitored for implementation, whether compliance with the mitigation measures or conditions has occurred, the procedures used to assess compliance, and whether further action is required.

MITIGATION MONITORING AND REPORTING PLAN TABLE

The categories identified in Table A are described below.

- **Mitigation Measure** – This column provides the text of the mitigation measures identified in the Draft PEIR.
- **Timing** – This column identifies the time frame in which the mitigation will take place.
- **Implementation** – This column identifies the party responsible for implementing compliance with the requirements of the mitigation measure
- **Enforcement** – This column identifies the party responsible for enforcing compliance with the requirements of the mitigation measure.

- **Dated Signature for Verification of Compliance** – This column is to be dated and signed by the person (either project manager or his/her designee) responsible for verifying compliance with the requirements of the mitigation measure.

**Table A
Mitigation Monitoring and Reporting Plan for the City of Oxnard’s Public Works Integrated Master Plan
Final Programmatic Environmental Impact Report**

Mitigation Measure	Timing	Implementation ¹	Enforcement ¹	Dated Signature for Verification of Compliance
3.1 AESTHETICS/VISUAL RESOURCES				
Mitigation Measure 3.1-2a: Blend in with the Existing Environment. The City shall implement architectural features into the facility(s) design so they complement the building styles of the community and minimize visual mass. Exterior finishes should avoid reflective surfaces. Colors for larger visible tanks and structures should be earth tones to reduce contrasts with the ground plain and increase compatibility with the visual setting. Primary structures should combine multiple complementary colors such in ranges of browns, tans, greys, greens, or other colors agreed upon with the appropriate permitting agency.	Prior to construction of PWIMP Projects that have a visual impact.	City of Oxnard	City of Oxnard	
Mitigation Measure 3.1-2b: Fencing. The City shall design fencing to be minimally intrusive to the community yet complementary to the architectural character of the facility and the community. Fencing will be coordinated with landscaping and facility design to help further enhance the local aesthetics and to blend the facility with the surrounding community and/or natural setting. Vegetative screening using native plants, trees or shrubs will be used if it is not out of character with the site setting, and walled perimeters will be avoided in natural settings to minimize the dominance of structures in the scene.	Prior to construction of PWIMP Projects that have a visual impact.	City of Oxnard	City of Oxnard	
Mitigation Measure 3.1-3a: Shielded Lighting. To ensure that the project’s exterior lighting does not spill over onto the adjacent uses, all exterior light fixtures, including street lighting, shall be shielded or directed away from adjoining uses.	Prior to construction of PWIMP Projects that have a visual impact.	City of Oxnard	City of Oxnard	
Mitigation Measure 3.1-3b: Security Lighting. Outdoor light intensity shall be limited to that necessary for adequate security and safety. All outside lighting shall be directed to prevent spillage onto adjacent properties and shall be shown on the site plan and elevations.	Prior to construction of PWIMP Projects that have a visual impact.	City of Oxnard	City of Oxnard	
3.3 AIR QUALITY				
Mitigation Measure 3.3-2a: Calculate Air Emissions. For each individual or group of PWIMP projects to be constructed, the City shall calculate air quality emissions using an appropriate air emissions computer program, as appropriate. VCAPCD and the California Air Pollution Control Officers Association (CAPCOA) recommends using the more updated air quality emissions estimation model CalEEMod Version 2016.3.2 for quantifying air	During the planning and environmental compliance studies of	City of Oxnard	City of Oxnard Ventura County Air Pollution Control District	

¹ The City of Oxnard’s Director of Public Works is primarily responsible for implementing the mitigation measures for the Proposed Project as described in this MMRP.

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emissions for discretionary projects. However, other models such as the Sacramento Metropolitan Air Quality Management District’s (SMAQMD) Roadway Construction Emissions Model can be effective in assessing the emissions of linear construction projects. The model run(s) will establish estimated construction emissions, which will be used to establish a construction emissions control plan as described in Mitigation Measure 3.3-2b below.	individual PWIMP Projects			
<p>Mitigation Measure 3.3-2b: Construction Emissions Control Plan. For each individual or group of PWIMP projects to be constructed, the City shall prepare a Construction Emissions Control Plan that outlines an approach for phasing construction activities to ensure that daily construction emissions do not exceed the VCAPCD’s significance thresholds for construction activities. The plan shall be submitted to the VCAPCD for review and approval at least 30 days prior to the estimated start of construction activities. The City shall require the approved plan to be implemented during all construction activities by including the approved plan in construction contracts. The plan shall include, at a minimum, a detailed description of the construction equipment inventory and use requirements for each component of the project, including daily activity phasing. The plan shall include documentation that the equipment used to construct the project(s) is properly maintained and shall include the maintenance schedule of the equipment, consistent with manufacturers’ specifications. To ensure that emissions remain below VCAPCD’s daily significance threshold of 25 pounds per day of ROC and NOx, the plan shall be designed to achieve emission levels that are no higher than 22.5 pounds per day of ROC and NOx (i.e., 90 percent of the daily threshold). All aspects of construction activity, including but not limited to truck trips per day, miles per trip, miles of dirt road travel per day, daily equipment inventories, equipment hours, and amounts of total areas and volumes of material to be disturbed shall be clearly defined in the plan and implemented in the field so that it can be determined by a third party construction monitor that the agreed upon plan is adequately implemented.</p>	During the planning and environmental compliance studies of individual PWIMP Projects	City of Oxnard	City of Oxnard Ventura County Air Pollution Control District	
<p>Mitigation Measure 3.3-2c: Construction Fugitive Dust Control Plan. For each individual or group of PWIMP projects to be constructed, the City shall, to the extent applicable, require its construction contractor(s) to implement a dust control plan that shall include a minimum of the following dust control measures.</p> <ul style="list-style-type: none"> • The area disturbed by clearing, grading, earth moving, or excavation operations shall be minimized to prevent excessive amounts of dust. • Pre-grading/excavation activities shall include watering the area to be graded or excavated before commencement of grading or excavation 	During the planning and environmental compliance studies of individual PWIMP Projects	City of Oxnard	City of Oxnard Ventura County Air Pollution Control District	

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<p>operations. Application of water (preferably reclaimed, if available) should penetrate sufficiently to minimize fugitive dust during grading activities.</p> <ul style="list-style-type: none"> • Fugitive dust produced during grading, excavation, and construction activities shall be controlled by the following activities: <ul style="list-style-type: none"> ○ All trucks shall be required to cover their loads as required by California Vehicle Code §23114. ○ All graded and excavated material, exposed soil areas, and active portions of the construction site, including unpaved on-site roadways, shall be treated to prevent fugitive dust. Treatment shall include, but not necessarily be limited to, periodic watering, application of environmentally-safe soil stabilization materials, and/or roll-compaction as appropriate. Watering shall be done as often as necessary and reclaimed water shall be used whenever possible. • Graded and/or excavated inactive areas of the construction site shall be monitored by the City (or designee) at least weekly for dust stabilization. Soil stabilization methods, such as water and roll-compaction, and environmentally-safe dust control materials, shall be periodically applied to portions of the construction site that are inactive for over four days. If no further grading or excavation operations are planned for the area, the area should be seeded and watered until grass growth is evident, or periodically treated with environmentally-safe dust suppressants, to prevent excessive fugitive dust. • Signs shall be posted on-site limiting traffic to 15 miles per hour or less. • During periods of high winds (i.e., wind speed sufficient to cause fugitive dust to impact adjacent properties), all clearing, grading, earth moving, and excavation operations shall be curtailed to the degree necessary to prevent fugitive dust created by on-site activities and operations from being a nuisance or hazard, either off-site or on-site. The site superintendent/supervisor shall use his/her discretion in conjunction with the Ventura County APCD in determining when winds are excessive. • Adjacent streets and roads shall be swept at least once per day, preferably at the end of the day, if visible soil material is carried over 				

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<p>to adjacent streets and roads.</p> <ul style="list-style-type: none"> Personnel involved in grading operations, including contractors and subcontractors, should be advised to wear respiratory protection in accordance with California Division of Occupational Safety and Health regulations. 				
<p>Mitigation Measure 3.3-2d: San Joaquin Valley Fever Prevention Plan. For each individual or group of PWIMP projects to be constructed, the City shall, to the extent applicable and possible, require its construction contractor(s) to implement a San Joaquin Valley Fever Prevention Plan that shall include a minimum of the following measures.</p> <ul style="list-style-type: none"> Restrict employment to persons with positive coccidioidin skin tests (since those with positive tests can be considered immune to reinfection). Hire crews from local populations where possible, since it is more likely that they have been previously exposed to the fungus and are therefore immune. Require crews to use respirators during project clearing, grading, and excavation operations in accordance with California Division of Occupational Safety and Health regulations. Require that the cabs of grading and construction equipment be air-conditioned. Require crews to work upwind from excavation sites. Pave construction roads. Where acceptable to the fire department, control weed growth by mowing instead of discing, thereby leaving the ground undisturbed and with a mulch covering. During rough grading and construction, the access way into the project site from adjoining paved roadways should be paved or treated with environmentally-safe dust control agents. 	<p>During the planning and environmental compliance studies of individual PWIMP Projects</p>	<p>City of Oxnard</p>	<p>City of Oxnard Ventura County Air Pollution Control District</p>	
<p>Mitigation Measure 3.3-2e: ROC and NOx Construction Measures. For each individual or group of PWIMP projects to be constructed, the City shall, to the extent applicable and possible, require its construction contractor(s) to implement ROC and NOx construction measures, consistent with VAPCD’s</p>	<p>During construction of each individual PWIMP Project</p>	<p>City of Oxnard</p>	<p>City of Oxnard Ventura County Air Pollution Control District</p>	

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<p>current Air Quality Assessment Guidelines and as updated.</p> <ul style="list-style-type: none"> Minimize equipment idling time. Maintain equipment engines in good condition and in proper tune as per manufacturers’ specifications. Lengthen the construction period during smog season (May through October), to minimize the number of vehicles and equipment operating at the same time. Use alternatively fueled construction equipment, such as compressed natural gas (CNG), liquefied natural gas (LNG), or electric, if feasible. 				
3.4 BIOLOGICAL RESOURCES				
<p>Mitigation Measure 3.4-1a: Conduct Pre-construction Biological Survey(s). For each individual or group of PWIMP projects to be constructed, the City shall have the project site and area screened by a qualified biologist to determine whether biological resources may be affected by construction activities. In the event further investigation is necessary, the City will comply with all requirements for investigation, analysis and protection of biological resources. The biologist will review standard information sources to determine special status species with the potential to occur on the project site. The biologist would carry out a site survey by walking or driving over the project site, as appropriate, to note the general resources and whether any habitat for special-status species is present. The biologist would then document the survey with a brief letter report or memo, setting forth the date of the visit, whether habitat for special-status species is present, providing a map or description showing where sensitive areas exist within the site, and identifying any appropriate avoidance measures.</p>	Prior to construction of each individual PWIMP Project	City of Oxnard	City of Oxnard California Department of Fish and Wildlife	
<p>Mitigation Measure 3.4-2a: Avoid Construction Impacts on Riparian Habitat. PWIMP Project facilities and construction activities shall be designed in a manner that avoids and/or minimizes impacts on riparian habitats to the maximum extent feasible. Temporary disturbance and/or permanent loss of riparian habitat requires a Streambed Alteration Agreement from the California Department of Fish and Wildlife (CDFW) and ESA Section 7 or 10 consultation with USFWS and NMFS if there is a potential impact to listed species or critical habitat.</p> <p>Unavoidable impacts on riparian habitat shall be formally assessed to satisfy the requirements of the California Department of Fish and Game (CDFW) 1601 Streambed Alteration Agreement) and federal consultation, which typically include compensatory mitigation. Acceptable riparian mitigation ratios shall be based on habitat quality characteristics, such as vegetation structure and</p>	Prior to construction of each individual PWIMP Project	City of Oxnard	City of Oxnard California Department of Fish and Wildlife	

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<p>complexity, that correspond to fish and wildlife habitat value. Impact ratios of 3:1, 2:1, and 1:1 shall be applied for impacts on high-, medium-, and low-quality habitats, respectively:</p> <ul style="list-style-type: none"> • <i>High-Quality Habitat</i> – Native overstory with continuous understory or occurring in dense thickets; dense native overstory with sparse, non-native, or no understory; and native willow thicket. • <i>Medium Quality Habitat</i> – Sparse native overstory with sparse, non-native, or no understory; non-native overstory with native understory; and dense non-native overstory with sparse, non-native, or no understory. • <i>Low Quality</i> – Sparse non-native overstory with sparse, non-native, or no understory; and any areas not included in the medium- or high-quality habitats that will be covered with riprap, gabions, etc. (e.g., ruderal habitat and bare ground). <p>Furthermore, impacts from encroachment into riparian buffer zones may be considered significant. Appropriate riparian setbacks can be as great as 100-feet and are assessed on a case-by-case basis. A Riparian Restoration Plan shall be prepared by the City and approved by the USFWS, NMFS, and CDFW as appropriate.</p>				
<p>Mitigation Measure 3.4-2b: Avoid Construction Impacts on Critical Habitats. The USFWS and CDFW indicated that the PWIMP Study Area overlaps critical habitat for Southwestern Willow Flycatcher, Ventura Marsh Milk-vetch, and Western Snowy Plover habitat. In addition, the PWIMP facilities could also disturb other migratory birds within the area. As a result, and in conjunction with Mitigation Measure 3.4-1a above, construction activities for new facilities and conveyance systems shall be sited in a manner that avoids sensitive upland habitats to the maximum extent feasible. Sensitive upland habitats shall be preserved where possible through facility siting within degraded or non-native vegetation. Sensitive areas shall be flagged for avoidance to minimize the possibility of inadvertent encroachment during construction. Construction staff shall be educated on the sensitive habitats located within and adjacent to the Project’s footprint, and a biological monitor shall be present to ensure compliance with off-limits areas.</p> <p>When avoidance is not feasible during construction activities; sensitive upland habitats temporarily disturbed during construction activities shall be quantified and appropriate restoration strategies shall be set forth in a Habitat Restoration Plan which shall be developed in consultation with the USFWS and the CDFW. The</p>	<p>Prior to construction of each individual PWIMP Project</p>	<p>City of Oxnard</p>	<p>City of Oxnard California Department of Fish and Wildlife</p>	

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<p>Plan shall include the following elements: specific location of restoration site, details on soil preparation, seed collection, planting, maintenance, and monitoring, and quantitative success criteria. At a minimum, temporarily disturbed areas shall be restored by the Applicant to the natural (preconstruction) conditions, which may include the following actions: salvage and stockpiling of topsoil from maritime chaparral, central dune scrub, and oak woodland; re-grading of disturbed sites with salvaged topsoil; and re-vegetation with native, locally collected species.</p> <p>Where restoration is not feasible (i.e., the impact is permanent), the City shall purchase and/or preserve similar undisturbed habitat off-site, or restore nearby disturbed areas at a ratio to be determined by the USFWS, CDFW, and other responsible resource agencies with jurisdiction over the project area.</p>				
<p>Mitigation Measure 3.4-3a: Avoid Federally Protected Wetlands and Waters of the U.S. In conjunction with Mitigation Measure 3.4-1a above, the City shall implement the following measures for those PWIMP facilities sited on or adjacent to wetlands.</p> <ul style="list-style-type: none"> • The PWIMP project facilities shall avoid areas of potentially jurisdictional wetland habitats to the maximum extent feasible through Project siting and construction avoidance. The project shall implement Best Management Practices² during construction to minimize impacts associated with erosion and sediment deposition into wetland and aquatic habitats. Temporary disturbance and/or permanent loss of wetlands or other waters of the U.S. require permits from both the U.S. Army Corps of Engineers (USACE) and (for areas within the Coastal Zone) the California Coastal Commission (CCC) as well as the Regional Water Quality Control Board (RWQCB). • A wetland delineation per the USACE Wetland Delineation Manual, and using the one- parameter approach in areas within the Coastal Zone, shall be conducted prior to construction. • A delineation report shall be prepared and submitted to the USACE and CCC for verification, and approval. Through this process, final calculations of wetland area present in the Project area would be obtained for Project permitting. In addition, plans for proposed 	<p>Prior to construction of each individual PWIMP Project</p>	<p>City of Oxnard</p>	<p>City of Oxnard California Department of Fish and Wildlife U.S. Army Corps of Engineers California Coastal Commission Regional Water Quality Control Board</p>	

² Best Management Practices are subject to review and approval, and may be expected to include BMPs as described in Caltrans (2003) Caltrans Storm Water Quality Handbooks; *Construction Site Best Management Practices Manual*.

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<p>alteration to any watercourse shall be submitted to the CDFW for review.</p> <ul style="list-style-type: none"> • The wetland habitat that would be lost under any given project element shall be functionally replaced as part of the Mitigation and Monitoring Plan required for permit issuance. In-kind and on-site replacement of lost wetland habitats must be done where possible. If multiple impacts on wetlands occur from the construction of facilities, larger wetland mitigation areas shall be created that provide greater functions and values than numerous small mitigation sites. The determination of wetland impacts and the subsequent location and design of potential mitigation sites shall be determined by qualified biologists in coordination with resource agency personnel. Mitigation and Monitoring Plans shall require the following of the City: <ul style="list-style-type: none"> ○ Replacement of lost acreage and functions of wetland habitat; ○ Identification of the restoration opportunities, complete with an analysis of the technical approach to create high quality wetlands; ○ Prior to construction of any project element that may impact wetland habitats, obtaining any necessary permits from the USACE, RWQCB or the CCC; ○ Preparation of detailed plans for wetland mitigation construction that include excavation elevations, location of hydrologic connections, planting plans, and soil amendments, if necessary; preparation of maintenance and monitoring plans in consultation with a qualified habitat restoration specialist; monitoring of any mitigation wetlands for a period of 5 years, during which the site will achieve the target jurisdictional acreage by Year 5; and determination of specific performance criteria and monitoring for site success; provision of annual monitoring reports to the appropriate resource agencies. 				
3.5 CLIMATE CHANGE AND GREENHOUSE GASES				
<p>Mitigation Measure 3.5-1a: Calculate Air Emissions. For each individual PWIMP project(s), set of Projects, and/ or construction activity, the City shall calculate air quality emissions using an appropriate air emissions computer program. VAPCD and the California Air Pollution Control Officers Association (CAPCOA) recommends using the more updated air quality emissions estimation model CalEEMod Version 2016.3.2 for</p>	<p>During construction of the Proposed Project/Action</p>	<p>City of Oxnard</p>	<p>City of Oxnard Ventura County Air Pollution Control District</p>	

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<p>quantifying air emissions for discretionary projects. However, other models such as the Sacramento Metropolitan Air Quality Management District’s (SMAQMD) Roadway Construction Emissions Model can be effective in assessing the emissions of linear construction projects. The model run(s) will establish estimated construction emissions, which will be used to establish a construction emissions control plan as described in Mitigation Measure 3.5-1b below.</p>				
<p>Mitigation Measure 3.5-1b: Construction Emissions Control Plan. For each individual PWIMP project(s), set of Projects and/ or construction activity, the City shall prepare a Construction Emissions Control Plan that outlines an approach for phasing construction activities to ensure that daily construction emissions do not exceed the VCAPCD’s significance thresholds for construction activities. The plan shall be submitted to the VCAPCD for review and approval at least 30 days prior to the estimated start of construction activities. The City shall require the approved plan to be implemented during all construction activities by including the approved plan in construction contracts. The plan shall include, at a minimum, a detailed description of the construction equipment inventory and use requirements for each component of the project, including daily activity phasing. The plan shall include documentation that the equipment used to construct the project(s) is properly maintained and shall include the maintenance schedule of the equipment, consistent with manufacturers’ specifications. To ensure that emissions remain below VCAPCD’s daily significance threshold of 25 pounds per day of ROC and NOx, the plan shall be designed to achieve emission levels that are no higher than 22.5 pounds per day of ROC and NOx (i.e., 90 percent of the daily threshold). All aspects of construction activity, including but not limited to truck trips per day, miles per trip, miles of dirt road travel per day, daily equipment inventories, equipment hours, and amounts of total areas and volumes of material to be disturbed shall be clearly defined in the plan and implemented in the field so that it can be determined by a third party construction monitor that the agreed upon plan is adequately implemented.</p>	<p>During construction of the Proposed Project/Action</p>	<p>City of Oxnard</p>	<p>City of Oxnard Ventura County Air Pollution Control District</p>	
<p>Mitigation Measure 3.5-1c: ROC and NOx Construction Measures. For each individual PWIMP Project(s), set of Projects, and/ or construction activity, the City shall, to the extent applicable and possible, require its construction contractor(s) to implement ROC and NOx construction measures, consistent with VAPCD’s current Air Quality Assessment Guidelines and as updated.</p> <ul style="list-style-type: none"> • Minimize equipment idling time. • Maintain equipment engines in good condition and in proper tune as per manufacturers’ specifications. • Lengthen the construction period during smog season (May through October), to minimize the number of vehicles and equipment operating at the same time. <p>Use alternatively fueled construction equipment, such as compressed natural gas (CNG), liquefied natural gas (LNG), or electric, if feasible</p>	<p>During construction of the Proposed Project/Action</p>	<p>City of Oxnard</p>	<p>City of Oxnard Ventura County Air Pollution Control District</p>	
<p>3.6 CULTURAL AND TRIBAL RESOURCES</p>				

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<p>Mitigation Measure 3.6-1a: Pre-Construction Cultural Resources Survey(s). The City shall perform pre-construction archaeological surveys for all PWIMP project components that require ground-disturbing activities including, but not limited to facility footprints, construction right-of-way corridors, staging areas, and access roads. Where proposed project areas are composed entirely of impervious surfaces, a historic archaeological and geo-archaeological sensitivity analysis may be substituted for surface survey. If resources or highly sensitive areas are identified during survey, Mitigation Measure 3.6-1b shall be implemented wherever possible.</p>	<p>During the planning and environmental compliance studies of individual PWIMP Projects</p>	<p>City of Oxnard</p>	<p>City of Oxnard</p>	
<p>Mitigation Measure 3.6-1b: Avoidance. The City will seek to avoid cultural resources as the preferred mitigation measure. Avoidance of cultural resources would result in less-than-significant levels of impacts to identified cultural resources. All design-level engineering and construction drawings will be prepared in consultation with a cultural resource specialist. Facilities, staging areas, and any activity involving ground disturbance shall be located to avoid resources. To ensure that no inadvertent damage occurs to avoided cultural resources, exclusion zones covering the resource and a 100-foot buffer around it will be marked both on the ground and on construction maps.</p>	<p>During the planning and environmental compliance studies of individual PWIMP Projects</p>	<p>City of Oxnard</p>	<p>City of Oxnard</p>	
<p>Mitigation Measure 3.6-1c: Evaluation for CRHR. If avoidance is determined to be infeasible, the City shall retain a qualified archaeologist (for archaeological resources) or architectural historian (for built environment resources) to evaluate the resources for eligibility to the CRHR. In the case of historic or prehistoric archaeological sites, evaluation may be completed by examining existing records and reports, by detailed recording, and/or by excavation to determine data potential of the sites. Resources found to be ineligible for CRHR would require no further management. If a CEQA historic resource or unique archaeological resource is determined to exist, then Mitigation Measure 3.6-1d will be used to reduce impacts to less-than-significant levels.</p>	<p>During the planning and environmental compliance studies of individual PWIMP Projects</p>	<p>City of Oxnard</p>	<p>City of Oxnard</p>	
<p>Mitigation Measure 3.6-1d: Develop a Cultural Resources Treatment Plan (CRTP). The City shall develop a Cultural Resources Treatment Plan (CRTP) for all known and newly discovered CEQA historic resources or unique archaeological resources within areas of direct impact of project activities. The plan will include, at minimum:</p> <ul style="list-style-type: none"> • Procedures for protection and avoidance of environmentally sensitive areas (ESAs), including archaeological monitoring protocols; 	<p>During the planning and environmental compliance studies of individual PWIMP Projects</p>	<p>City of Oxnard</p>	<p>City of Oxnard</p>	

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<ul style="list-style-type: none"> • Procedures for evaluating inadvertent discoveries of archaeological resources, including research, recording, or test excavations; • Procedures for mitigating impacts to CEQA archaeological resources (including Native American burials) through data recovery excavations; • Provisions and procedures for Native American consultation; • Training for construction personnel on their responsibilities to identify and protect cultural resources; • Curation of any cultural materials collected during the project; and • Specification that archaeologists and other disciplinary specialists hired for the project meet the appropriate Professional Qualifications Standards mandated by the California Office of Historic Preservation (OHP). 				
<p>Mitigation Measure 3.6-1e: Halt Work if Cultural Resources are Discovered. If prehistoric or historic subsurface cultural resources are discovered during ground-disturbing activities, all work within 100 feet of the resources shall be halted and after notification, the City shall consult with a qualified archaeologist to assess the significance of the find. If any find is determined to be significant historical resource (CEQA Guidelines §15064.5(a)(3) and/or unique archaeological resource (PRC §21083.2), representatives of the City and a qualified archaeologist shall meet to determine the appropriate course of action. In considering any suggested mitigation proposed by the consulting archaeologist in order to mitigate impacts to historical resources or unique archaeological resources, the lead agency shall determine whether avoidance is necessary and feasible in light of factors such as the nature of the find, project design, costs, and other considerations. If avoidance is infeasible, other appropriate measures (e.g., data recovery) shall be instituted. Work may proceed on other parts of the project site while mitigation for historical resources or unique archaeological resources is carried out.</p>	During construction of individual PWIMP Projects	City of Oxnard	City of Oxnard	
<p>Mitigation Measure 3.6-4: Halt Work if Human Remains are Discovered. If buried human remains are encountered during construction, work shall be <i>immediately</i> halted, and the City and the Ventura County Coroner shall be <i>immediately</i> notified. If the remains are determined to be Native American, then the Native American Heritage Commission (NAHC) will be notified within 24 hours as required by Public Resources Code 5097. The NAHC shall designate a Most Likely Descendant, who will be responsible for providing</p>	During construction of individual PWIMP Projects	City of Oxnard	City of Oxnard	

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recommendations for the treatment of the remains within 48 hours of being granted access to the find.				
<p>Mitigation Measure 3.6-5: Halt Work if Tribal Cultural Resources are Discovered. In the event that any tribal cultural resources are discovered during ground disturbing activities, all work within 100-feet of the resources shall be halted and after notification, the City shall consult with a qualified archaeologist and local tribes to assess the significance of the find. If any find is determined to be significant as a unique tribal cultural resource, the City shall treat the resource with culturally appropriate dignity, taking into account the tribal cultural values and meaning of the resource, including to, but not limited to, the following:</p> <ul style="list-style-type: none"> • Protecting the cultural character and integrity of the resource; • Protecting the traditional use of the resource; and • Protecting the confidentiality of the resource. <p>In considering any suggested mitigation proposed by the consulting archaeologist and/or the appropriate tribe in order to mitigate impacts to any tribal cultural resources find, the City shall determine whether avoidance is feasible in light of factors such as the nature of the find, project design, costs, and other considerations. If avoidance is infeasible, other appropriate measures (e.g., data recovery) shall be instituted and coordinated with the appropriate tribe(s). Work may proceed on other parts of the project site while mitigation measures for tribal cultural resources or other unique archaeological resources are carried out.</p>	During construction of individual PWIMP Projects	City of Oxnard	City of Oxnard	
3.7 GEOLOGIC, SEISMIC, AND SOIL HAZARDS				
<p>Mitigation Measure 3.7-1a: Conduct Appropriate Geotechnical Engineering Studies. A California licensed geotechnical engineer or engineering geologist will conduct geotechnical investigations of all PWIMP facilities prior to the final design and prepare recommendations applicable to foundation design, earthwork, backfill and site preparation prior to or during the project design phase. The investigations will specify seismic and geologic hazards including potential ground movements and co-seismic effects (including liquefaction). The recommendations of the geotechnical engineer will be incorporated into the design and specifications in accordance with California Geological Survey Special Publication 117 and shall be implemented by the construction contractor. The construction manager will conduct inspections and certify that all design</p>	During the planning and environmental compliance studies of individual PWIMP Projects	City of Oxnard	City of Oxnard	

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<p>criteria have been met in accordance with the California Building Code as well as applicable City and County ordinances.</p> <p>All PWIMP elements and pipeline facilities will comply with applicable policies and appropriate engineering investigation practices necessary to reduce the potential detrimental effects of expansive soils, and corrosivity. Appropriate geotechnical studies will be conducted by California licensed geotechnical engineers or engineering geologists using generally accepted and appropriate engineering techniques for determining the susceptibility of the sites to unstable, weak or corrosive soils in accordance with the most recent version of the California Building Code. A licensed geotechnical engineer or engineering geologist will prepare recommendations applicable to foundation design, earthwork, and site preparation prior to or during the project design phase. Recommendations will address mitigation of site-specific, adverse soil and bedrock conditions that could hinder development. Project engineers will implement the recommendations and incorporate them into project specifications. Geotechnical design and design criteria will comply with the most recent version of the California Building Code and applicable local construction and grading ordinances. Once appropriately designed and subsequently constructed, in accordance with local and state building code requirements, the resultant improvements will have the structural fortitude to withstand the potential hazards of expansive soils or corrosivity without significant damage.</p> <p>During the design phase for all PWIMP components that require ground-breaking activities, the project applicant will perform site-specific design-level geotechnical evaluations which will include slope stability conditions and provide recommendations to reduce and eliminate any potential slope hazards, if any, in the final design and if necessary, throughout construction. For all pipelines located in landslide hazard areas, appropriate piping material with the ability to deform without rupture (e.g. ductile steel) will be used. For all other facilities, a geotechnical evaluation will be conducted and the geotechnical evaluations will include detailed slope stability evaluations, which could include a review of aerial photographs, field reconnaissance, soil testing, and slope stability modeling. Facilities design and construction will incorporate the slope stability recommendations contained in the geotechnical analysis conducted by California licensed geotechnical engineers or engineering geologists. Final slope stabilization measures, determined by the licensed geotechnical engineer or engineering geologist in accordance with California Building Code requirements, may include, without limitation, one or more of the following:</p>				

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<ul style="list-style-type: none"> • Appropriate slope inclination (not steeper than 2 horizontal to 1 vertical) • Slope terracing • Fill compaction • Soil reinforcement • Surface and subsurface drainage facilities • Engineered retaining walls • Buttresses • Erosion control measures <p>Mitigation measures included in the geotechnical report will be incorporated into the project construction specifications and become part of the project.</p>				
3.8 HAZARDS AND HAZARDOUS MATERIALS				
<p>Mitigation Measure 3.8-1a: Conduct Phase I Environmental Site Assessment(s). Within one year prior to construction of facilities requiring excavation of more than 50-cubic yards of soil, the contractor shall retain a qualified environmental professional to conduct a Phase I Environmental Site Assessment in conformance with ASTM Standard 1527-13 to evaluate subsurface conditions that could be expected during construction. For all pipeline/conveyance facility alignments, the contractor shall retain a qualified environmental professional to update the environmental database review to identify environmental cases, permitted hazardous materials uses, and spill sites within one- quarter mile of the pipeline/conveyance facility alignment. Regulatory agency files shall be reviewed for those sites that could potentially affect soil and groundwater quality within the project alignment.</p> <p>If these preliminary environmental reviews indicate that a release of hazardous materials could have affected soil or groundwater quality at a project site, the contractor shall retain a qualified environmental professional to conduct a Phase II environmental site assessment to evaluate the presence and extent of contamination at the site, in conformance with state and local guidelines and regulations. If the results of the subsurface investigation(s) indicate the presence of hazardous materials, additional site remediation may be required by the applicable state or local regulatory agencies, and the contractors shall be required to comply with all regulatory requirements for facility design or site remediation.</p>	<p>During the planning and environmental compliance studies of individual PWIMP Projects</p>	<p>City of Oxnard</p>	<p>City of Oxnard</p>	

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<p>Mitigation Measure 3.8-1b: Prepare Project-Specific Health and Safety Plan(s). Based on the findings of the environmental review required by Mitigation Measure 3.8-1a, the City or its contractor shall prepare a project-specific Health and Safety Plan (HSP) in accordance with 29 CFR 1910 to protect construction workers and the public during all excavation, grading and construction services. The HSP shall identify the following, but not be limited to:</p> <ul style="list-style-type: none"> • A summary of all potential risks to construction workers and maximum exposure limits for all known and reasonably foreseeable site chemicals; • Specified personal protective equipment and decontamination procedures, if needed Safety procedures to be followed in the event suspected hazardous materials are encountered; • Emergency procedures, including route to the nearest hospital; and • The identification of a site health and safety officer and responsibilities of the site health and safety officer 	<p>During the planning and environmental compliance studies of individual PWIMP Projects</p>	<p>City of Oxnard</p>	<p>City of Oxnard</p>	
<p>Mitigation Measure 3.8-1c: Environmental Construction Monitor(s). Based on the findings of the environmental review required by Mitigation Measure 3.8-1a, the City or its contractor shall have a site health and safety supervisor fully trained pursuant to the HAZWOPER standard (29 CFR 1910.120) be present during excavation, grading, trenching, or cut and fill operations to monitor for evidence of potential soil contamination, including soil staining, noxious odors, debris or buried storage containers. The site health and safety supervisor must be capable of evaluating whether hazardous materials encountered constitute an incidental release³ of a hazardous substance or an emergency spill. The site health and safety supervisor shall direct procedures to be followed in the event that a hazardous materials release with the potential to impact worker health and safety is encountered. These procedures shall be in accordance with hazardous</p>	<p>During construction of individual PWIMP Projects</p>	<p>City of Oxnard</p>	<p>City of Oxnard</p>	

³ An incidental release is a release of a hazardous substance, which does not pose a significant safety or health hazard to employees in the immediate vicinity or to the employee cleaning it up, nor does it have the potential to become an emergency within a short time frame. Incidental releases are limited in quantity, exposure potential, or toxicity and present minor safety and health hazards to employees in the immediate work area or those assigned to clean them up.

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<p>waste operations regulations and specifically include, but are not limited to, the following:</p> <ul style="list-style-type: none"> • Immediately stopping work in the vicinity of the unknown hazardous materials release, and notifying MCDEH, and • Retaining a qualified environmental firm to perform sampling and remediation. 				
<p>Mitigation Measure 3.8-1d: Develop a Materials Disposal Plan(s). For each individual PWIMP project (as applicable), the City or its contractor shall develop a materials disposal plan specifying how the applicant or its contractor would remove, handle, transport, and dispose of all excavated material in a safe, appropriate, and lawful manner. The plan must identify the disposal method for soil and the approved disposal site, and include written documentation that the disposal site would accept the waste.</p> <p>The applicant or its contractor shall develop a groundwater dewatering control and disposal plan specifying how the applicant or its contractor would remove, handle, and dispose of groundwater impacted by hazardous substances in a safe, appropriate and lawful manner. The plan must identify the locations at which potential groundwater impacts are likely to be encountered (based on the results of Mitigation Measure 3.8-1a), the method to analyze groundwater for hazardous materials, and the appropriate treatment and/or disposal methods.</p>	<p>During the planning and environmental compliance studies of individual PWIMP Projects</p>	<p>City of Oxnard</p>	<p>City of Oxnard</p>	
<p>Mitigation Measure 3.8-2a: Store, Handle, Use Hazardous Materials in Accordance with Applicable Laws. The City shall ensure that all construction-related and operational hazardous materials and hazardous wastes shall be stored, handled, and used in a manner consistent with relevant and applicable federal, state, and local laws. In addition, construction-related and operational hazardous materials and hazardous wastes shall be staged and stored away from stream channels and steep banks to keep these materials a safe distance from near-by residents and prevent them from entering surface waters in the event of an accidental release.</p>	<p>During construction of individual PWIMP Projects</p>	<p>City of Oxnard</p>	<p>City of Oxnard</p>	
<p>Mitigation Measure 3.8-2b: Properly Dispose of Contaminated Soil and/or Groundwater. If contaminated soil and/or groundwater is encountered or if suspected contamination is encountered during project construction, work shall be halted in the area, and the type and extent of the contamination shall be identified. A contingency plan to dispose of any contaminated soil or groundwater will be developed through consultation with appropriate regulatory agencies.</p>	<p>During construction of individual PWIMP Projects</p>	<p>City of Oxnard</p>	<p>City of Oxnard</p>	

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<p>Mitigation Measure 3.8-2c: Properly Dispose of Hydrostatic Test Water. Dewatering of the pipeline during hydrostatic testing during construction, as well as any dewatering as a result of operations and maintenance activities, shall be discharged to land or the sanitary sewer system and not into any creeks, drainages, or waterways and shall require prior approval from the Los Angeles Regional Water Quality Control Board.</p>				
<p>Mitigation Measure 3.8-4a: Fire Prevention and Control. The City shall comply with all federal, state, county and local fire regulations pertaining to burning permits and the prevention of uncontrolled fires. The following measures shall be implemented to prevent fire hazards and control of fires:</p> <ul style="list-style-type: none"> • A list of relevant fire authorities and their designated representative to contact shall be maintained on site by construction personnel. • Adequate firefighting equipment shall be available on site in accordance with the applicable regulatory requirements. • The level of fire hazard shall be posted at the construction office (where visible for workers) and workers shall be made aware of the hazard level and related implications. • The City or its contractor shall provide equipment to handle any possible fire emergency. This shall include, although not be limited to, water trucks; portable water pumps; chemical fire extinguishers; hand tools such as shovels, axes, and chain saws; and heavy equipment adequate for the construction of fire breaks when needed. Specifically, the City or its contractor shall supply and maintain in working order an adequate supply of fire extinguishers for each crew engaged in potentially combustible work such as welding, cutting, and grinding. • All equipment shall be equipped with spark arrestors. • In the event of a fire, the City or its contractor shall immediately use resources necessary to contain the fire. The City or contractor shall then notify local emergency response personnel. • Any and all tree-clearing activities (if any) are to be carried out in accordance with local rules and regulations for the prevention of forest fires. • Burning shall be prohibited. • Flammable wastes shall be removed from the construction site on a 	<p>During planning and construction of individual PWIMP Projects</p>	<p>City of Oxnard</p>	<p>City of Oxnard</p>	

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regular basis. <ul style="list-style-type: none"> Flammable materials kept on the construction site must be stored in approved containers away from ignition sources. 				
3.9 HYDROLOGY, WATER QUALITY, AND WATER UTILITIES				
Mitigation Measure 3.9-1a: Implement Construction Best Management Practices. To reduce potentially significant erosion and siltation, the City and/or its selected contractor(s) shall obtain a Stormwater Pollution Prevention Permit(s) (SWPPP) and implement Best Management Practices and erosion control measures as required by the Los Angeles RWQCB. Best Management Practices to reduce erosion and siltation shall include the following measures: Avoidance of construction activities during inclement weather; limitation of construction access routes and stabilization of access points; stabilization of cleared, excavated areas by providing vegetative buffer strips, providing plastic coverings, and applying ground base on areas to be paved; protection of adjacent properties by installing sediment barriers or filters, or vegetative buffer strips; stabilization and prevention of sediments from surface runoff from discharging into storm drain outlets; use of sediment controls and filtration to remove sediment from water generated by dewatering; and returning all drainage patterns to pre-existing conditions.	During planning and construction of individual PWIMP Projects	City of Oxnard	City of Oxnard	
Mitigation Measure 3.9-2a: Prepare Groundwater/Hydrogeologic Plan and/or Monitoring/Modeling. The City shall, in conjunction with the requirements of SGMA and other local requirements, prepare an implementation plan for the groundwater that is extracted and recharged from this Project in the PWIMP planning area and including on the southern Oxnard Plain and Pleasant Valley areas. This plan will provide the details of how groundwater will be recovered and the best management practices that will be implemented, including, but not limited to: <ul style="list-style-type: none"> The City shall coordinate with FCGWMA and will continue to contribute to the ongoing basin-wide groundwater monitoring program for the Oxnard Plain and Pleasant Valley areas program to assist with the collection of data that are necessary to monitor and evaluate the effects from groundwater that is extracted and recharged by the PWIMP facilities. It is assumed that the City will have full access to the groundwater monitoring database to assist the City with performing the routine annual evaluation described below. The City shall coordinate with FCGMA to help document the groundwater/hydrogeologic conditions and effects from 	During planning and construction of individual PWIMP Projects	City of Oxnard	City of Oxnard	

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<p>implementation of the PWIMP facilities including but not limited to surface and groundwater interactions, seawater intrusion, and water quality impacts such as turbidity, taste, odor, nutrients, and TDS.</p> <ul style="list-style-type: none"> As necessary, the City shall adjust the groundwater that is extracted and/or recharged on the southern Oxnard Plain and Pleasant Valley areas to reduce potential significant impacts to groundwater resources. These adjustments, in part, will be based on comments received by FCGMA, and other interested stakeholders involved with water resources management in the Oxnard Plain and Pleasant Valley areas. 				
3.10 LAND USE PLANNING				
<p>Mitigation Measure 3.10-1a: Land Use Compatibility Review. For each PWIMP project to be constructed and/or operated, the City shall review the land use compatibility on a project-level basis through a subsequent environmental document to ensure that the proposed individual project does not conflict with an existing land use compatibility or cause a significant environmental impact that cannot be reduced to a less than significant level(s). In addition, the City shall obtain all necessary easements for any and all temporary construction activities.</p>	During planning of individual PWIMP Projects	City of Oxnard	City of Oxnard	
<p>Mitigation Measure 3.10-1b: New Pipeline Locations. Any new PWIMP pipelines and/or conveyance facilities that cross any agricultural fields or private property shall be located in an area or buried at a depth that would not interfere with the use of the land, such as agricultural tilling, grading, planting, etc.</p>	During planning and construction of individual PWIMP Projects	City of Oxnard	City of Oxnard	
<p>Mitigation Measure 3.10-1c: Return to Existing Conditions. For all PWIMP pipeline or conveyance facility construction activities, soil shall be stockpiled and replaced once installed, unless soil contamination is expected. If soil contamination is detected, then mitigation measures in 3.8 Hazards and Hazardous Wastes. The construction area shall be returned to preconstruction conditions and grade.</p>	During planning and construction of individual PWIMP Projects	City of Oxnard	City of Oxnard	
3.12 NOISE				
<p>Mitigation Measure 3.12-1a: Limit Construction Hours. To the extent possible, construction activities will be limited to the least noise-sensitive times and will comply with the City’s noise ordinances. Construction, alteration, and other related activities shall be allowed on weekdays between the hours of 8 a.m. and 5 p.m., and on Saturdays between the hours of 10 a.m. and 6 p.m. Construction activities shall not exceed the outdoor ambient sound level (dBA)</p>	During construction of individual PWIMP Projects	City of Oxnard	City of Oxnard	

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of 86 dBA. Nighttime construction would require specific and special approval from the City. Temporary hotel accommodations shall be provided to all residents located within 100-feet of a designated construction area where construction activity would occur on a 24-hour continuous basis. The accommodations shall be provided for the duration of the 24-hour construction activities.				
Mitigation Measure 3.12-1b: Locate Staging Areas away from Sensitive Receptors. The City’s construction specifications shall require that the contractor select staging areas as far as feasibly possible from sensitive receptors. Currently, planned staging areas are at the City’s existing WWTP, water, and stormwater yards/facilities.	During construction of individual PWIMP Projects	City of Oxnard	City of Oxnard	
Mitigation Measure 3.12-1c: Maintain Mufflers on Equipment. The City’s construction specifications shall require the contractor to maintain all construction equipment with manufacturer’s specified noise-muffling devices. The City shall ensure that the contractor(s) construction equipment with internal combustion engines have sound control devices at least as effective as those provided by the original equipment manufacturer. No equipment shall be permitted to have an un-muffled exhaust.	During construction of individual PWIMP Projects	City of Oxnard	City of Oxnard	
Mitigation Measure 3.12-1d: Idling Prohibition and Enforcement. The City shall prohibit and enforce unnecessary idling of internal combustion engines. In practice, this would mean turning off equipment if it will not be used for five or more minutes.	During construction of individual PWIMP Projects	City of Oxnard	City of Oxnard	
Mitigation Measure 3.12-1e: Equipment Location and Shielding. Locate all stationary noise-generating construction equipment such as air compressors and standby power generators as far as possible from homes and businesses. Contractor specifications shall include a requirement that construction equipment located within 500-feet of noise-sensitive receptors shall be equipped with noise reducing engine housings or other noise reducing technology such that equipment noise levels are no more 85-dBA at 50-feet. The line of sight between construction within 500-feet of sensitive receptors and nearby sensitive receptors shall be blocked by portable acoustic barriers and/or shields to reduce noise levels by at least an additional 10-dBA.	During construction of individual PWIMP Projects	City of Oxnard	City of Oxnard	
Mitigation Measure 3.12-1f: Notify Residents and Sensitive Receptors. Residences and other sensitive receptors within 500-feet of a construction area	During construction of	City of Oxnard	City of Oxnard	

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<p>shall be notified of the construction schedule in writing, at least two weeks prior to the commencement of construction activities. The City or the contractor(s) shall designate a noise disturbance coordinator who would be responsible for responding to complaints regarding construction noise. The coordinator shall determine the cause of the complaint and ensure that reasonable measures are implemented to correct the problem. A contact number for the noise disturbance coordinator shall be conspicuously placed on construction site fences and included in the construction schedule notification sent to nearby residences. The notice to be distributed to residences and sensitive receptors shall first be submitted to the City for review and approval.</p>	<p>individual PWIMP Projects</p>			
<p>Mitigation Measure 3.12-1g: Enclosed Noise Structures. All stationary noise sources (e.g., pump stations, permanent and emergency power generators, electrical gear, motors, etc.) shall be located within enclosed structures with adequate setback and screening, as necessary, to achieve acceptable regulatory noise standards for industrial uses as well as to achieve acceptable levels at the property lines of nearby residences and commercial uses, as determine by the City or Ventura County, as appropriate. Noise enclosures shall be designed to reduce equipment noise levels by at least 20-dBA. Once the stationary noise sources have been installed, noise levels shall be monitored to ensure compliance with local noise standards. If PWIMP facility(s) stationary noise sources exceed the applicable noise standards, an acoustical engineer shall be retained to install additional noise attenuation measures in order to meet the applicable noise standards.</p>	<p>During planning and construction of individual PWIMP Projects</p>	<p>City of Oxnard</p>	<p>City of Oxnard</p>	
<p>Mitigation Measures 3.12-2a: Vibration Monitoring. Vibration monitoring shall be conducted for any and all PWIMP construction activities within 10-feet of buildings to confirm vibration levels do not exceed 0.1 in/sec PPV. If vibration levels exceed the limits of this mitigation measure, then construction practices shall be modified to use smaller types of construction equipment, operate the equipment in a manner to reduce vibration, or use alternate construction methods, and monitoring shall continue for an additional 200-feet or until construction practices meet the required vibration levels. The monitoring in this mitigation measure shall be repeated if the construction methods change in a manner that would increase vibration levels, or when structures are closer to the limits of construction than previous vibration monitoring have confirmed is below the vibration thresholds. Smaller vibratory rollers shall be used to minimize vibration levels during repaving activities where needed to meet vibration limits.</p>	<p>During construction of individual PWIMP Projects</p>	<p>City of Oxnard</p>	<p>City of Oxnard</p>	
<p>3.13 TRAFFIC AND TRANSPORTATION</p>				

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<p>Mitigation Measure 13.1-1a: Prepare and Implement Traffic Control Plan(s). As is consistent with existing policy, the City shall require the contractor to prepare and implement effective traffic control plans to show specific methods for maintaining traffic flows for each PWIMP project to be constructed. Examples of traffic control measures to be considered include: 1) use of flaggers to maintain alternating one-way traffic while working on one-half of the street; 2) use of advance construction signs and other public notices to alert drivers of activity in the area; 3) use of “positive guidance” detour signing on alternate access streets to minimize inconvenience to the driving public; 4) provisions for emergency access and passage; and 5) designated areas for construction worker parking.</p>	<p>During planning of individual PWIMP Projects</p>	<p>City of Oxnard</p>	<p>City of Oxnard</p>	
<p>Mitigation Measure 13.1b: Return Roads to Pre-construction Condition. Following construction, the City shall ensure that road surfaces that are damaged during construction are returned to their pre-construction condition or better.</p>	<p>During construction of individual PWIMP Projects</p>	<p>City of Oxnard</p>	<p>City of Oxnard</p>	