

OBMP MMRP

General Impact	Mitigation Measure	Specific Process	Mitigation Milestone	Responsible Monitoring Party	Prerequisite Action For	Agency Verification
	<u>GEOLOGIC RESOURCES / CONSTRAINTS</u>					
	<i>Soils</i>					
Erosion and Sedimentation Impacts	4.4-1 Add protective covering of mulch, straw or synthetic material (erosion control blankets, tacking will be required).	Incorporate appropriate site specific erosion control measures in construction plans.	Selection of appropriate erosion control measures listed in the mitigation measure	Participating agency implementing the project.	Occurrence of exposed/disturbed areas on an OBMP construction site	
Erosion and Sedimentation Impacts	4.4-2 Limit the amount of area disturbed and the length of time slopes and barren ground are left exposed. After pipeline installation, soil will be compacted to a level similar to pre-construction conditions.	Prior to construction initiation, the implementing agency will identify a construction specification that minimizes exposed areas and provides for revegetation or alternative cover at the earliest possible date.	Initiation of construction.	Participating agency implementing the project.	Site selection and identification of pre-construction level of compaction at an OBMP facility site	
Erosion and Sedimentation Impacts	4.4-3 Construct diversion dikes and interceptor ditches to divert water away from construction areas.	Prior to construction initiation, final project designs (including specifications for all necessary diversion dikes and interceptor ditches to divert water away from construction areas) must be approved through the established review process of the implementing agency.	Initiation of construction	Participating agency implementing the project.	Site selection.	
Erosion, Sedimentation and Flood-Related Impacts	4.4-4 Install slope drains (conduits) and/or water-velocity-control devices to reduce concentrated high-velocity streams from developing.	Prior to construction initiation, final project designs (including specifications for all necessary slope drains/conduits and/or water-velocity-control devices, as necessary to prevent concentrated high-velocity streams from developing) must be approved through the established review process of the implementing agency.	Initiation of construction	Participating agency implementing the project.	Site selection and evaluation	
Potential Liquefaction-Related Impacts	4.4-5 Construction of facilities and structures areas with high liquefaction potential will be limited without further geologic and hazard-related studies conducted by a qualified geologist or geotechnical firm. Such studies will provide guidelines to minimize the risks to humans and to capital-intensive facilities.	If a facility is proposed within a former artesian area or area of potential liquefaction having water within 40 feet of ground surface (see Figures 4.5-19 and 4.5-50) the mitigation measure will be implemented.	Site specific geology and hazard-related studies identify measures that will be used to minimize risks to less than significant levels	Participating agency implementing the project.	Identification of a proposed facility location within a high liquefaction potential area.	
Potential Liquefaction-Related Impacts	4.4-6 If a conjunctive use program might be implemented that would bring water levels up to a level that significantly increases the risk of liquefaction, a more detailed monitoring and geologic study focused on this issue will be conducted to determine whether or not liquefaction poses a hazard to surface structures and to human safety. If such a study finds the impacts to be significant, the volume of water permitted to be stored in the basin will be decreased	If OBMP activities in the future propose an increase in groundwater storage greater than 300,000 acre-feet from 1999 conditions, or if water levels are observed to rise beyond levels predicted at ultimate conditions, then the mitigation measure will be implemented	Modeling and/or studies determine that the proposed program does not pose any significant hazards.	Participating agency implementing the project.	Proposal of a conjunctive use program greater than 300,000 acre- feet is the prerequisite action to prompt more detailed	

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	sufficiently until a water level is achieved that does not pose any significant hazard to surface structures or people.				modeling and/or studies which will determine if the proposed program can be safely implemented.	
Impacts Associated with Geologic Hazards	<u>Geology</u> 4.4-7 Mitigate the risks from geological hazards through a combination of engineering, construction, land use and development standards.	The implementing agency will review all pertinent General Plans for identification of hazards, or will obtain a geotechnical report for the project site, and if hazards exist, the agency will implement the mitigation measures.	Final facility designs show that risks from geological hazards can be reduced to less than significant levels.	Participating agency implementing the project.	Site selection process determines potential geologic hazards may be present	
Potential Liquefaction-Related Impacts	4.4-8 Require each site within identified Liquefaction Hazard Zones to be evaluated by a licensed engineer prior to design or land disturbance/construction.	If a site is selected which is located within a liquefaction hazard zone, prior to facility design and/or land disturbance, the implementing agency will ensure that a licensed engineer evaluates the proposed site and deems it suitable for the proposed use.	Site specific liquefaction hazard studies conducted by a licensed engineer identify measures that will be incorporated into final designs to minimize risks to less than significant levels	Participating agency implementing the project.	Identification of a proposed project location within a liquefaction hazard zone.	
Seismic Groundshaking Impacts	4.4-9 Apply appropriate design and construction criteria to all structures subject to significant seismic shaking.	The implementing agency will review the proposed design and construction criteria to ensure that all designs meet UBC standards and all other appropriate earthquake protective measures.	Final facility designs incorporate all appropriate construction measures to minimize impacts that may result in the even of seismic shaking	Participating agency implementing the project.	All proposed locations for structures may be subject to seismic shaking	
Earthquake-Related Impacts, Hazardous Soil Conditions, and Likelihood of Causing Damage to People and/or Property	<u>Seismicity</u> 4.4-19 When determined necessary by the affected jurisdictions, geotechnical and soils engineering reports will be prepared in conjunction with the preparation of preliminary design layouts and grading plans for all new development projects implemented within the proposed Project Area. These studies will verify the presence or absence of hazardous soil conditions. If necessary, these reports will provide specific mitigation measures for the treatment of <i>potential</i> geologic and soils hazards.	If a proposed site location has potentially hazardous soil or geologic conditions, the mitigation measure will be implemented.	Geotechnical and engineering studies verify the absence of hazardous on-site conditions or include means that will be implemented by the implementing agency	Participating agency implementing the project.	Geologic conditions necessitate the preparation of geotechnical and soil engineering reports under local jurisdictional requirements	

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			to make impacts nonsignificant		requirements	
Earthquake-Related Impacts to People and Property	4.4-20 Comprehensive geotechnical investigation will be required prior to engineering and design development or structural and/or substantial rehabilitation of structures identified under Risk Class I & II, e.g., public facilities, as identified below: <i>Risk Class I & II, Structures Critically Needed after Disaster:</i> Structures which are critically needed after a disaster include important utility centers, fire stations, police stations, emergency communication facilities, hospitals, and critical transportation elements such as bridges and overpasses and smaller dams. Acceptable Damage: Minor non-structural; facility should remain operational and safe, or be suitable for quick restoration of service. <i>Risk Class III:</i> High occupancy structures; uses are required after disasters, i.e., places of assembly such as schools and churches. <u>Acceptable Damage:</u> Some impairment of function acceptable; structure needs to remain operational. <i>Risk Class IV, Ordinary Risk Tolerance:</i> The vast majority of structures in urban areas; most commercial and industrial buildings, small hotels and apartment buildings, and single family residences. <u>Acceptable Damage:</u> An "ordinary" degree of risk should be acceptable. The criteria envisioned by the Structural Engineers Association of California provide the best definition of the "ordinary" level of acceptable risk. These criteria require that buildings be able to:	If the implementing agency proposes any structures that fall within the provisions identified for Risk Classes I & II, the mitigation measure will be implemented.	Facility designs include measures for appropriate Risk Classes to meet acceptable damage criteria in the event of a disaster	Participating agency implementing the project.	Identification of a proposed OBMP facility that can be classed under Risk Classes I or II If such facilities are identified, geotechnical investigations will be prepared	
Earthquake-Related Impacts to People and Property	4.4-20 (continued) a. Resist minor earthquakes without damage; b. Resist moderate earthquakes without structural damage, but with some non-structural damage; or c. Resist major earthquakes, of the intensity or severity of the strongest experienced in California, without collapse, but with some structural, as well as non-structural damage. <i>Risk Class V, Moderate to High Risk Tolerance:</i> Open space uses, such as farms, ranches and parks without high occupancy structures; warehouses with					

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	low intensity employment; and the storing of non-hazardous materials. <u>Acceptable Damage:</u> Not applicable.						
Earthquake-Related Impacts to People and Property	4.4-21	All structures previously identified under 4.4-21, in categories III through V, will be designed in accordance with the applicable multiplier factor seismic design provisions of the Seismic Safety Report to promote safety in the event of an earthquake.	If the implementing agency proposes to construct any facilities that are considered to fall in Risk Classes III-V, the mitigation measure will be implemented	Facility Designs include measures for appropriate Risk Classes to meet acceptable damage criteria in the event of a disaster	Participating agency implementing the project.	Identification of a proposed OBMP facility that can be identified under Risk Classes III, IV or V If such facilities are identified, geotechnical investigations will be prepared	
Earthquake-Related Impacts	4.4-23	All rehabilitation and new development projects implemented as a result of the proposed Project will be built in accordance with current and applicable Uniform Building Code (UBC) standards and all other applicable City, County, State and Federal laws, regulations and guidelines, which may limit construction and site preparation activities such as grading, and will make provisions for appropriate land use restrictions, as deemed necessary, to protect residents and others from potential environmental safety hazards, either seismically induced or those resulting from other conditions such as inadequate soil conditions, which may exist in the proposed Project Area.	Prior to final design approval, the proposed facility designs will be reviewed and made consistent with all applicable, most current UBC standards.	Proposed facility designs have been reviewed and approved by a qualified engineer for compliance with all applicable codes, laws, rules, and regulations	Participating agency implementing the project.	Proposed rehabilitation and new development for any facility included under UBC and other governmental laws regulations and guidelines, including grading.	
Impacts to Surface Water Quality	<u>WATER RESOURCES / WATER QUALITY</u>						
	4.5-1	To minimize potential ground disturbances associated with installation and maintenance of proposed monitoring equipment on existing wells, the equipment will be installed within or along existing disturbed easements or right-of-way or otherwise disturbed areas, including access roads and pipeline or existing utility easements.	If the proposed OBMP activity involves potential ground disturbance due to pipeline and/or well installation, the mitigation measure will be implemented	Final site selection for equipment installation is within or along existing disturbed easements, right-of ways, or other disturbed areas	Participating agency implementing the project.	Initiation of site selection process for monitoring equipment on existing wells	
Surface Water Discharge Impacts	4.5-3	Within each desalter site, surface runoff will be collected and retained (for use onsite) or detained, and treated when released by passing the runoff through a Afirst-flush@ treatment system, which may include onsite riparian area, detention basin with filtration system at the outlet, or other system that removes the majority of urban storm runoff pollutants, such as petroleum products and sediment. The purpose of this measure is to remove the onsite contribution to cumulative urban storm runoff and ensure the discharge from the desalter sites	Prior to construction initiation at a desalter site, the implementing agency will ensure that the project design includes measures for collection, retention and first-flush treatment of surface runoff prior to that runoff intercepting other surface flows.	Completion of facility and installation that retains and treats surface runoff onsite in accordance with first flush criteria specified in the mitigation	Participating agency implementing the project.	Proposal for construction of a desalter facility	

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	is treated to reduce contributions of urban pollutants to downstream flows.			measure			
Water Quality Impacts to Stormwater from Pollutant Discharge	4.5-5	For each OBMP construction site, regardless of size, a Storm Water Pollution Prevention Plan (SWPPP) will be prepared and implemented. Each plan will identify the best management practices (BMPs) that will be used for that site to minimize the potential for accidental releases of any chemicals or materials on the site that could degrade water quality, including solid waste and require that any spills be clean-up, contaminated material properly disposed of and the site returned to pre-discharge condition, or in full compliance with regulatory limits for the discharged material. The portion of the SWPPP that addresses erosion and related sediment discharge will specify the percentage of pollutant removal, as illustrated in the attached Figure 4.5-56 which was abstracted from Supplement A to the ARiverside County Drainage Area Management Plans, Attachment@ publication. At a minimum BMPs will achieve 60 percent removal of sediment and other pollutants from disturbed sites.	For all proposed project locations that involve construction and/or ground disturbance, the mitigation measure will be implemented.	Completion of a site-specific SWPPP that includes means (BMP:s) to reduce adverse impact associate with accidental chemical release, contamination, and disposal. This report will also address site specific erosion conditions and potential sediment discharge (treated to remove a minimum of 60 percent of sediment and other pollutants)	Participating agency implementing the project.	Consideration or approval of a proposed OBMP project	
Water Quality Impacts Resulting from Sedimentation/Erosion	4.5-6	For long-term mitigation of site disturbances at OBMP facility locations, all areas not covered by structures will be covered with hardscape (concrete, asphalt, gravel, etc.), native vegetation and/or man-made landscape areas (for example, grass). Revegetated or landscaped areas will provide sufficient cover to ensure that, after a two year period, erosion will not occur from concentrated flows (rills, gully, etc.) and sediment transport will be minimal as part of sheet flows. These measures and requirements will be applied to closure of abandoned well site disturbed areas.	Prior to construction initiation, the implementing agency will prepare a revegetation plan or other designs for hardscape of disturbed areas that are not occupied by OBMP facilities, but have been disturbed as part of OBMP facility construction and/or operation.	Selection of plant material and/or hardscape and facilities to completely cover all disturbed areas	Participating agency implementing the project.	A plan for revegetation or hardscape of all areas disturbed as a result of OBMP facilities that are not covered by structures/facilities will be completed prior to ground disturbance	
Stormwater and Groundwater Contamination	4.5-10	Prior to authorizing contracts for drilling monitoring or production wells under OBMP auspices, the entity funding the well drilling effort will require the well driller to identify all chemicals that will be used at the drilling site and require the submittal of a SWPPP for review and approval before allowing the drilling to commence. A performance bond will be provided by the driller to ensure that any residual contamination from well drilling can be corrected.	If the implementing agency proposes drilling of any type of well under the OBMP, the mitigation measure will be implemented.	Submittal of chemical compounds list for the drilling site Completion and submittal of a SWPPP Posting of performance bond	Participating agency implementing the project.	Proposal to drill a monitoring well, extensiometer or production well	
Flooding Hazards and Potential Risks to	4.5-16	Whenever possible and feasible, OBMP projects that are highly capital intensive, or that employ workers who are onsite for more than just	Prior to final site selection, all new OBMP facilities other than monitoring wells, exstensiometers and minor	Final site locations avoid flood hazard	Participating agency implementing the	Consideration of alternative site	

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People and Property	maintenance activities, will consider Figure 4.5-47 when siting specific project locations for OBMP facilities. Areas defined on this map that potentially may be affected by flood-hazards will be avoided, unless conjunctive use and flood-control operations demand that facilities must be located within these areas. If facilities are constructed in a flood zone, the facility will be brought to a level above flood hazards, or hardened against flood related impacts. Additionally, if facilities must be located within flood plains or hazard areas, a flood management program to minimize impacts to people and surrounding property will be created and implemented for each facility that may occur within these hazard areas.	pipelines will consider Figure 4.5-47, to avoid potential flood hazards whenever possible. If a facility must be located within a flood zone, the mitigation measure will be implemented.	areas or document why no other possible locations may be utilized Final project design for facilities that must be located in flooding zones includes measures to harden facilities against flooding impacts or raise facilities above flood hazards Completion of flood management plan for facilities that must be located in flood zones prior to facility construction	project.	locations for capital intensive OBMP projects, or for facilities that require workers to be onsite for more than just infrequent service or maintenance visits	
Impaired Traffic Flow	<u>TRANSPORTATION AND CIRCULATION</u> 4.7-2 The IEUA will require the construction contractor to provide adequate traffic management resources during construction (signing protective devices, flag persons, etc.) to maintain safe traffic flow, particularly emergency access, on local streets at all times.	If construction of a proposed OBMP facility may impede traffic flow from no-project conditions, the mitigation measure will be implemented.	Site specific implementation of signage, protective devices, flag persons, etc is demonstrated to maintain safe traffic flow and emergency access standards in accordance with local jurisdictions	Participating agency implementing the project.	Consideration of a proposed project that has the potential to adversely impact traffic flow	
Impaired LOS and Increased Potential Hazards	4.7-3 During construction the IEUA will require traffic hazards for vehicles, bicycles, and pedestrians be adequately identified and such traffic controlled to minimize hazards.	If a traffic hazard may exist during OBMP facility construction, the mitigation measure will be implemented.	Preparation of a site specific traffic study that identifies traffic control measures to minimize safety hazards to vehicles, bicycles and pedestrians	Participating agency implementing the project.	Consideration of a proposed project that has the potential to adversely impact traffic flow	

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			Demonstration that identified site-specific measures have been implemented on-site			
Hazards to Vehicles and Pedestrians from Open Trenches or Other Traffic Safety Hazards	4.7-4 The IEUA will require the contractor to ensure no open trenches or traffic safety hazards be left in roadways during periods of time when construction personnel are not present (nighttime. weekends. etc.).	For any proposed project involving open trenches, or that creates a traffic safety hazard, the implementing agency will implement the mitigation measure.	Any time when construction personnel are not monitoring potential hazard areas, the hazards will be removed from roadways and all trenches will be filled and/or marked with signs and have restricted access	Participating agency implementing the project.	Presence of potential safety hazards or open trenches on-site	
Hazards to Vehicles and Pedestrians Safety	4.7-5 The IEUA will require all roads be repaired adequately after pipeline installation to ensure that traffic can move in the same manner as before construction without damage to vehicles.	Any time pipeline is installed in or adjacent to a roadway, the implementing agency will implement the mitigation measure.	Roadway is left in the same condition as prior to construction, and traffic can move in the same manner as before without any adverse impact to vehicles	Participating agency implementing the project.	Consideration of any project that may involve roadway disturbance for pipeline or other facility installation	
Potential for Accidental Release of Hazardous Materials	<u>HAZARDS AND RISK OF UPSET</u> 4.10-1 For OBMP facilities that handle hazardous materials or generate hazardous waste the Business Plan prepared and submitted to the county or local city will incorporate best management practices designed to minimize the potential for accidental release of such chemicals. The facility managers will implement these measures to reduce the potential for accidental releases of hazardous materials or wastes.	If the proposed OBMP facility may require handling of hazardous materials or generate hazardous waste, a Business Plan will be prepared and implemented as described in the mitigation measure.	Approval by the county or local city of the business plan prepared by the implementing agency for management of hazardous materials and accidental release situations Implementation of measures on-site as identified in the business plan	Participating agency implementing the project and local jurisdiction where the facility will be constructed and operated.	Consideration of a proposed project where hazardous materials may be present on-site	
Clean-up and Containment of	4.10-2 The business plan will assess the potential accidental release scenarios and identify the equipment and response capabilities required to provide immediate	If hazardous materials or hazardous wastes are to be present at an OBMP facility location, the mitigation	Approval by the agency with jurisdiction of the	Participating agency implementing the	Consideration of a proposed project	

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Hazardous Materials, in the Event of an Accidental Release	containment, control and collection of any released material. Adequate funding will be provided to acquire the necessary equipment, train personnel in responses and to obtain sufficient resources to control and prevent the spread of any accidentally released hazardous or toxic materials.	measure will be implemented.	business plan prepared for the site that includes assessment of accidental release scenarios and necessary response capabilities Implementation of measures to prevent the spread of any hazardous material that may accidentally be released and acquisition of necessary containment and/or control equipment	project and local jurisdiction where the facility will be constructed	where hazardous materials may accidentally be released into the environment	
Potential for Accidental Release of Hazardous Materials	4.10-3 For the storage of any acutely hazardous material at an OBMP facility, such as chlorine gas, modeling of pathways of release and potential exposure of the public to any released material will be completed and specific measures, such as secondary containment, will be implemented to ensure that sensitive receptors will not be exposed to significant health threats based on the toxic substance involved.	Prior to final project design approval, If any acutely hazardous material may be present at an OBMP facility, the mitigation measure will be implemented.	Implementation of secondary containment measures identified in the completed modeling study	Participating agency implementing the project.	Consideration of a proposed project where acutely hazardous materials may accidentally be released into the environment	
Potential Impacts Associated with the Treatment, Disposal, and/or Recycling of Contaminated Materials and/or Hazardous Wastes	4.10-4 All contaminated material will be delivered to a licensed treatment, disposal or recycling facility that has the appropriate systems to manage the contaminated material without significant impact on the environment.	If a contaminated or hazardous material must be disposed of, the mitigation measure will be implemented.	Disposal, treatment or recycling of contaminated or hazardous materials from OBMP facilities is completed at a facility licensed for that purpose	Participating agency implementing the project.	Consideration of a proposed project where hazardous or contaminated materials may need to be disposed of, treated, or recycled	
Accidental Release of Hazardous Materials and Necessary Level of Remediation	4.10-5 Before determining that an area contaminated as a result of an accidental release is fully remediated, specific thresholds of acceptable clean-up will be established and sufficient samples will be taken within the contaminated area to verify that these clean-up thresholds have been met.	If an accidental release of a hazardous or contaminated material occurs, the mitigation measure will be implemented.	Determination of specific clean-up thresholds by agencies with jurisdiction Ongoing monitoring and clean-up efforts will occur until identified thresholds	Participating agency implementing the project.	Accidental release of a hazardous material.	

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			are met			
Disruption During Construction	4.10-6 During construction activities within existing road rights-of-way or other easements where continuous access is required, a road operation management plan will be prepared and implemented. At a minimum this plan will define how to minimize the amount of time spent on construction activities; how to minimize disruption of vehicle and alternative modes of traffic at all times, but particularly during periods of high traffic volumes; adequate signage and other controls, including flagpersons, to ensure that traffic can flow adequately during construction; the identification of alternative routes that can meet the traffic flow requirements of a specific area, including communication (signs, webpages, etc.) with drivers and neighborhoods where construction activities will occur; and at the end of each construction day roadways will be prepared for continued utilization without any significant roadway hazards remaining.	If a proposed OBMP project occurs within an existing roadway, right-of-way or other easement, the implementing agency will examine if continuous access may be required. If required, the mitigation measure will be implemented.	Completion of a road operation management plan Implementation of site-specific measures defined in the plan to minimize the potential impacts to traffic flow and to safety to minimize risks of upset	Participating agency implementing the project.	Consideration of a project that may require construction or operational activities within existing roadways, rights-of-way, or easements	
Disruption of Emergency Services Response Ability During Construction Activities	4.10-7 To the extent feasible, installation of pipelines or other construction activities in support of the OBMP will not be located on major evacuation or emergency response routes within any communities in the Chino Basin. Where construction on such routes is necessary, local emergency response providers will be contacted and emergency access and evacuation requirements will be maintained at a level sufficient to meet their needs.	Prior to final site selection, the mitigation measure will be considered, so as to avoid adverse effects to major evacuation and emergency response routes. If construction in such response routes is unavoidable, the mitigation measure will be implemented.	Avoidance of emergency response routes and evacuation routes, or contact and cooperation with the conditions set forth by local emergency response providers to meet their needs	Participating agency implementing the project.	Consideration of project facility locations within a major evacuation or emergency response route	
Potential Health Risks	4.10-8 Where alternative treatment systems are available to reduce potential health risks at OBMP facilities, such alternatives will be selected if they meet defined technical, logistical and economic requirements for operation of such facilities.	Prior to final project design approval, alternative treatment systems for systems involving potential health risks will be investigated. If alternatives exist, the mitigation measure will be implemented.	Selection of the alternative treatment system with the greatest ability to minimize health impacts while still meeting the technical logistical and economic requirements for the project	Participating agency implementing the project.	Consideration of OBMP project facility operations where alternatives exist that can minimize potential health risks	
Impacts Due to Noise Levels that are Incompatible with Adjacent Land Uses	<u>NOISE</u> 4.11-1 Construction will be limited to the hours of 7 a.m. to 7 p.m. on Monday through Friday, and between 9 a.m. to 6 p.m. on Saturday, and will be prohibited on Sundays and federal holidays.	Any OBMP project involving facility construction or modification that may generate noise above existing conditions will implement the mitigation measure.	No construction occurs other than between the hours listed in the mitigation measure	Participating agency implementing the project.	Agency approves OBMP project that requires construction.	
Impacts Due to Noise	4.11-2 All construction vehicles and fixed or mobile equipment will be equipped with	All OBMP-related projects involving vehicles or	All vehicles involved in	Participating agency	Construction	

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Levels that are Incompatible with Adjacent Land Uses and/or are Harmful to Sensitive Receptors	properly operating and maintained mufflers.	equipment with mufflers will implement the mitigation measure.	construction activities for OBMP facilities will have a mechanic's written statement testifying to the fact that the vehicles are equipped with properly operating and maintained mufflers	implementing the project.	activities involving vehicles and/or equipment	
Noise Levels are Harmful to Sensitive Receptors (including employees)	4.11-3 All employees that will be exposed to noise levels greater than 75 dBA over an 8-hour period will be provided with adequate hearing protection devices to ensure no hearing damage will result from construction activities.	For any OBMP project facility where noise levels may reach or exceed 75 dB over an 8 hour period, the mitigation measure will be implemented.	All sensitive noise receptors to noise levels greater than 75 dBA for 8 hours or more are provided with ear protection that reduces noise levels to less than 75 dBA	Participating agency implementing the project.	A proposed project has the potential to expose sensitive noise receptors to noise levels greater than 75 dBA for an 8 hour period	
Noise Levels Have the Potential to Cause Hearing Damage to Sensitive Receptors	4.11-4 If equipment is being used that can cause hearing damage at adjacent noise receptor locations (distance attenuation will be taken into account), portable noise barriers will be installed that are demonstrated to be adequate to reduce noise levels at receptor locations below hearing damage thresholds.	If an OBMP facility may have equipment that could either cumulatively or individually cause hearing damage, the mitigation measure will be implemented to prevent adverse impacts to all sensitive noise receptors.	Protective noise barriers will be constructed to reduce noise levels at sensitive receptor locations to levels that will not cause hearing damage	Participating agency implementing the project.	A proposed project has the potential to expose sensitive noise receptors to noise levels that can cause hearing damage	
Noise Levels are Incompatible with Surrounding Land Uses	4.11-5 All production wells or booster pumps will have their noise levels attenuated to 50 dBA CNEL at 50 feet from the well head.	If a production well or booster pump is proposed under the OBMP, the mitigation measure will be implemented.	Installation of noise attenuation structures or devices that reduce noise levels at production wells or booster pumps (at a distance of 50 feet away) to less than 50 dBA	Participating agency implementing the project.	Proposed use of a production well or booster pump for OBMP activities	
Noise Levels are Incompatible with Surrounding Land Uses	4.11-6 Project design will include measures which assure adequate interior noise levels as required by Title 25 (California Noise Insulation Standards).	For all OBMP facilities having a structural interior, the mitigation measure will be implemented.	The constructed facility has interior noise levels consistent with the guidelines set forth by Title 25 California Noise Insulation	Participating agency implementing the project.	Consideration of a proposed project having an interior component facility	

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			Standards			
Noise Levels are Incompatible with Surrounding Land Uses	4.11-8 Desalters will be constructed and operated so that noise levels from operations do not exceed 50 dB during night hours and 65 dB averaged over the 12 hours of day time when located adjacent to existing or future sensitive land uses. This can be achieved by siting desalters a sufficient distance from sensitive noise receptors; by incorporating attenuation features in the facility or designing attenuation features at the boundary of the property.	If desalters are located adjacent to existing or future sensitive land uses, the mitigation measure will be implemented.	Final designs incorporate measures to reduce noise levels at the nearest existing or future sensitive land use to less than 50 dBA during night hours and less than 65 dBA during daylight hours Once constructed, measurements confirm that the identified thresholds are not exceeded	Participating agency implementing the project.	Proposal of a desalter facility adjacent to noise sensitive uses.	
Trespass and Hazards	<u>PUBLIC SERVICES</u> 4.12-1 OBMP facilities will be fenced or otherwise have access controlled to prevent illegal trespass to attractive nuisances, such as construction sites or recharge sites.	The implementing agency will implement the mitigation measure for all OBMP facilities.	Access to OBMP facilities is fenced or otherwise controlled	Participating agency implementing the project.	Construction and/or operation on any OBMP facility	
Incompatible Aesthetic Impacts to Surrounding Land Uses and to Existing Viewsheds	<u>AESTHETICS AND VISUAL RESOURCES</u> 4.15-1 All surface areas disturbed by OBMP construction activities (except those areas used by structures or hardscapes) will be revegetated, either with native vegetation in natural landscapes or in accordance with a landscape plan in man-made landscape areas (note that native vegetation is also eminently suited to man-made landscapes and requires less maintenance). Once construction is completed, revegetation will begin immediately and, where a formal landscape plan is being implemented, it will be coordinated with the local agency and the local design guidelines for consistency.	At the end of construction activities, if an OBMP facility has resulted in the disturbance of areas that are not occupied by structures or hardscapes, the mitigation measure will be implemented.	All surfaces that were disturbed during construction are covered by landscaping, structures or hardscaping immediately following completion of facility construction	Participating agency implementing the project.	Consideration of proposed projects that may disturb surface areas	
Incompatible Aesthetic Impacts to Surrounding Land Uses and to Existing Viewsheds	4.15-4 When OBMP above ground facilities are constructed in the future, the local agency design guidelines for the project site will be followed to the extent that they do not conflict with the engineering and budget constraints established for the facility.	The facility proponent will review local jurisdiction design guidelines and coordinate facility design to comply with the guidelines, except as noted.	Completion of design for structures in compliance with local design guidelines to the extent consistent with mitigation requirements.	Participating agency implementing the project.	Proposal for above ground facilities that are subject to local design guidelines.	

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General Impact	Mitigation Measure	Specific Process	Mitigation Milestone	Responsible Monitoring Party	Prerequisite Action For	Agency Verification
Incompatible Aesthetic Impacts to Surrounding Land Uses and to Existing Viewsheds	4.15-5 All utilities for OBMP facilities will be placed underground unless such undergrounding is not technically feasible.	For all OBMP facility locations requiring utilities services, the mitigation measure will be implemented.	Utility connections are installed below ground surface or else documentation is on file at the offices of the implementing agency that shows why undergrounding is not technically feasible	Participating agency implementing the project.	Proposal of an OBMP facility that requires new utility services	
Adverse Light and Glare Impacts to Sensitive Receptors	4.15-6 Future project review and implementation will implement the following: \$ Use of low pressure sodium lights where security needs require such lighting to minimize impacts of glare. \$ Height of lighting fixtures will be lowered to the lowest level consistent with the purpose of the lighting to reduce unwanted illumination. \$ Directing light and shielding will be used to minimize off-site illumination. \$ No light will be allowed to intrude into sensitive light receptor areas.	Any OBMP-facility that will include lighting will implement the mitigation measure.	Lighting design plans for the project facility incorporate measures such as those listed in the mitigation measure(where appropriate) to reduce glare and to prevent light pollution from reaching sensitive receptors	Participating agency implementing the project.	Proposal of and OBMP facility that requires additional lighting	