

## **Attachment 2**

Mitigation Monitoring and Reporting Program  
Samoa Peninsula Wastewater Project (SCH# 2018042083)

## Mitigation Monitoring and Reporting Program - Samoa Peninsula Wastewater Project (SCH# 2018042083)

The Mitigation Monitoring and Reporting Program (MMRP) has been prepared in compliance with the requirements of Public Resources Code Section 21081.6 and CEQA Guidelines Section 15097. This MMRP describes procedures that will be followed to implement the mitigation measures adopted in connection with the approval of the Samoa Peninsula Wastewater Project and the methods for monitoring such actions. It is noted that Humboldt County, the lead agency, is not identified as the Responsible Party for any of the mitigation measures, but in all cases Humboldt County is involved in the Measure of Completion & Approval.

The intent of the MMRP is to establish the following:

1. Verify compliance with the mitigation measures identified in the EIR;
2. Provide a framework to document the implementation of the identified mitigation measures;
3. Provide a record of mitigation requirements;
4. Identify monitoring and enforcement agencies;
5. Establish a clear procedure for the completion and approval of the mitigation; and
6. Identify, where necessary, the frequency and duration of monitoring.

For each mitigation measure, the MMRP identifies:

- Environmental Impact – the impact topic(s) associated with the mitigation measure from the EIR.
- Responsible Party – The party ultimately responsible for ensuring the mitigation is carried out.
- Timing – The point during Project implementation at which the mitigation should be complete.
- Measure of Completion & Approval – The criteria by which the mitigation is deemed to be complete.

**Samoa Peninsula Wastewater Project Mitigation Monitoring and Reporting Program**

Mitigation Measure	Timing	Responsible Party	Measure of Completion & Approval
<b>Section 4.2 Air Quality</b>			
<p><b>AQ-1: Implement Air Quality Construction Control Measures</b></p> <p>The PCSD shall limit dust during construction by implementing the following NCUAQMD recommended best management practices in all construction contract specifications for the project:</p> <ol style="list-style-type: none"> <li>1. All exposed surfaces (e.g., parking areas, staging areas, soil piles, graded areas and unpaved access roads) shall be watered as necessary to prevent fugitive dust emissions during dusty conditions.</li> <li>2. All haul trucks transporting soil, sand, or other loose material on- or off-site shall be covered or maintain at least two feet of freeboard.</li> <li>3. During construction, the contractor will designate an area of the project site for equipment and vehicle cleaning in proximity to the temporary water source. The contractor will establish a temporary drive-off road consisting of cobbles, which will mitigate bulk soil and mud accumulation on adjacent roads. Visible mud or dirt tracked out onto adjacent public roads shall be removed using wet power vacuum street sweepers at least once per day. The use of dry power sweeping shall be prohibited.</li> <li>4. All vehicle speeds on unpaved areas shall be limited to 15 miles per hour.</li> <li>5. Idling times shall be minimized either by shutting equipment off when not in use or reducing the maximum idling time to five minutes (as required by the California airborne toxics control measure Title 13, Section 2485 of California Code of Regulations). Clear signage shall be provided for construction workers at all access points explaining these measures.</li> <li>6. All construction equipment shall be maintained and properly tuned in accordance with manufacturer's specifications. All equipment shall be checked by a certified mechanic and determined to be running in proper condition prior to operation.</li> <li>7. A publicly visible sign shall be posted with the telephone number and person to contact at the PCSD regarding dust complaints. This person shall respond and take corrective action within 48 hours. The North Coast Unified Air Quality Management District phone number shall also be visible to ensure compliance with applicable regulations.</li> </ol>	<p>Monitor during construction</p>	<p>Peninsula CSD</p>	<p>Construction completed in compliance with mitigation measures; County Building Inspector to monitor air quality conditions during all inspections and report any non-conformance to NCUAQMD; NCUAQMD to respond to complaints.</p> <hr/> <p>Date Completed:</p> <hr/> <p>Action Taken:</p>

Mitigation Measure	Timing	Responsible Party	Measure of Completion & Approval
<p><b>AQ-4: Curtail Operational Odor-Generating Maintenance Activities during Wind Events</b></p> <p>The PCSD shall avoid and limit odor-generating maintenance activity at Approved Samoa WWTF during wind events, defined as southern winds 15 miles per hour or greater. Additionally, a publicly visible sign shall be posted with the telephone number and person to contact at the PCSD regarding odor complaints. This person shall respond and take corrective action within 48 hours. The North Coast Unified Air Quality Management District phone number shall also be visible to ensure compliance with applicable regulations.</p>	Ongoing	Peninsula CSD	<p>Maintenance completed in compliance with mitigation measures;</p> <p>Peninsula CSD to monitor air quality conditions during all maintenance operations and report any non-conformance to NCUAQMD; NCUAQMD to respond to complaints.</p> <p>Date Completed:</p> <p>Action Taken:</p>
<b>Section 4.3 Biological Resources</b>			
<p><b>BIO-1a: Protect Nesting Birds</b></p> <p>The PCSD shall ensure that preconstruction nesting bird surveys shall be conducted by a qualified biologist if construction begins in the breeding season (January 15 to August 31 to include raptors and all other migratory birds). Surveys are to be conducted within seven days of construction activities and repeated if construction ceases for seven days in the same location, prior to construction resuming. An area of at least 500 feet within the construction area will be surveyed for nesting birds. If active nests are found, the biologist will monitor the nest(s) and establish protective buffers (no-disturbance area around the nest) determined with consultation with CDFW and based on the nesting species, its sensitivity to disturbance, and type of and duration of disturbance expected.</p> <p>Any work conducted within 500 feet of an osprey nest will either be conducted outside of the nesting season (March through August) or a qualified biologist in consultation with CDFW will observe the nests prior to the commencement of construction within the vicinity of the nests to ensure that juveniles have fledged, and that the nest is empty during construction, or determine an adequate buffer that will not impact the nest or nestlings.</p>	Monitor during construction	Peninsula CSD	<p>Contracted qualified biologist's written report of compliance submitted to County;</p> <p>County Planning and Building to verify receipt of biologist's report prior to permit approval(s).</p> <p>Date Completed:</p> <p>Action Taken:</p>

Mitigation Measure	Timing	Responsible Party	Measure of Completion & Approval
<p><b>BIO-1b: Protect Rare Plants during Construction</b></p> <p>The PCSD shall protect rare plants during construction. Prior to the start of construction, where construction activities occur within close proximity (100 feet) to special-status plant species identified during preconstruction surveys, high visibility construction fencing shall be erected to establish a no-disturbance buffer that would be adequate for the protection of the plants as determined by a qualified biologist. The fencing will be checked weekly by a biological monitor to ensure its continued correct placement and stability.</p>	Monitor during construction	Peninsula CSD	<p>Contracted qualified biologist's written report of compliance submitted to County;</p> <p>County Planning and Building to verify receipt of biologist's report prior to permit approval(s).</p> <p>Date Completed:</p> <p>Action Taken:</p>
<p><b>BIO-2a: <u>Avoid Permanent Impacts and Protect ESHAs and Sensitive Natural Communities during Construction</u></b></p> <p>The PCSD shall <del>PCSD shall</del> <u>site the improvements to the Approved WWTF to avoid all permanent impacts to ESHA and Sensitive Natural Communities, and shall implement the following measures to protect ESHA and sensitive natural communities during construction:</u></p> <ul style="list-style-type: none"> <li>• Prior to the start of construction, a qualified biologist will develop <u>educational materials identifying sensitive natural resources within the project area</u> and distribute <del>educational materials</del> <u>them</u> to construction crews at a "tail-gate" meeting <del>identifying sensitive natural resources within the project area</del>. <u>This Materials</u> will include (but <del>is</del> <u>will not be</u> limited to) hard copy information about sensitive plant community identification and defining protective buffer flagging or fencing <del>to</del> <u>and explain</u> where the <u>demarcated</u> buffers are placed and what they are intended to protect.</li> <li>• <del>Except where direct impact (removal) is proposed at the WWTF site,</del> establish and maintain <u>Appropriate buffers,</u> and BMPs <u>shall be established and maintained</u> in accordance with Mitigation Measure HWQ-1 Manage Stormwater during Construction, for the duration of construction. Vegetation communities with a Species Heritage rarity ranking of S3 (vulnerable), S2 (imperiled), or S1 (critically imperiled), as assigned by CDFW, shall be demarcated with high visibility fencing to avoid ground disturbance. Within</li> </ul>	Monitor during construction	Peninsula CSD	<p>Contracted qualified biologist's written report of compliance submitted to County;</p> <p>County Planning and Building to verify receipt of biologist's report prior to permit approval(s).</p> <p>Date Completed:</p> <p>Action Taken:</p>

Mitigation Measure	Timing	Responsible Party	Measure of Completion & Approval
<p><u>the STMP, a qualified biologist shall identify and establish ESHA buffer areas consistent with STMP (Wetlands/ESHA) Policy 1, 2, 4, 10, and 11. Additionally, a qualified biologist shall identify and establish ESHA buffer areas consistent with HBAP Section 3.30. A biologist or biological monitor shall inspect the sensitive areas and the protective buffers once a week for the duration of construction to ensure the buffers and BMPs are adequately protecting the ESHA and/or Sensitive Natural Communities. Modifications to the buffers and BMPs, recommended by the Qualified Biologist, shall be implemented as soon as feasible.</u></p>			
<p><b><u>BIO-2b: Restore ESHAs or Other Sensitive Natural Communities Removed Temporarily Impacted during Construction</u></b></p> <p>The PCSD shall prepare and implement a plan to identify and <del>compensate for</del> <u>restore pre-project conditions for those areas where there are temporary impacts removal of to</u> ESHAs or other sensitive natural communities that cannot be avoided during construction. The Plan <del>will</del> <u>shall</u> include the following components, and must adequately <del>replace</del> <u>restore pre-project conditions habitat,</u> be consistent with HBAP, and be approved by the California Coastal Commission and California Department of Fish &amp; Wildlife:</p> <ul style="list-style-type: none"> <li>• Identify, map, and quantify the <u>temporarily</u> impacted ESHA and/or Sensitive Natural Community.</li> <li>• <del>Determine the appropriate replacement or restoration ratio to impact.</del></li> <li>• <del>Identify suitable location for creating replacement habitat or restoring a site that previously had the equivalent ESHA and/or Sensitive Natural Community.</del></li> <li>• Determine success criteria against which the <del>replacement/restoration site</del> would be judged to successfully have <del>replaced or</del> restored the ESHA and/or Sensitive Natural Community, <u>which at a minimum shall be defined by no net loss of habitat.</u></li> <li>• Determine appropriate ongoing monitoring <u>frequency for the respective</u> ESHA and/or Sensitive Natural Community, <u>which at a minimum shall be yearly for 2 years or more if warranted by the habitat impacted. If additional restoration activities are determined to be required during monitoring, the</u></li> </ul>	<p>Monitor during construction</p>	<p>Peninsula CSD</p>	<p>Contracted qualified biologist's written report of compliance submitted to County; County Planning and Building to verify receipt of biologist's report prior to permit approval(s).</p> <hr/> <p>Date Completed:</p> <hr/> <p>Action Taken:</p>

Mitigation Measure	Timing	Responsible Party	Measure of Completion & Approval
<p><u>monitoring period shall start again from the time of the additional restoration activity. The monitoring plan shall include the timing and frequency of inspections, and documentation of inspections, until it is determined the success criteria <u>have</u> been meant.</u></p> <ul style="list-style-type: none"> <li>• <u>If during monitoring it is found that the <del>replacement and/or</del> restoration is not succeeding, the PCSD shall consult with California Coastal Commission and California Department of Fish &amp; Wildlife to determine appropriate corrective actions.</u></li> </ul>			
<p><b>BIO-3a: Protect Wetlands during Construction</b></p> <p><del>Excluding wetlands that will be filled by project construction</del> The PCSD shall protect jurisdictional wetlands during construction, <u>consistent with the HBAP STMP (Wetland/ESHA) Policies 1, 2, 4, 10, and 11.</u> Prior to the start of construction, where construction activities occur within close proximity (100 feet) to delineated wetlands, high visibility construction fencing shall be erected to establish a no-disturbance buffer that would be adequate for the protection of the wetlands, determined by a qualified biologist. The fencing shall be checked weekly by a biological monitor to ensure its continued correct placement and stability.</p>	Monitor during construction	Peninsula CSD	<p>Contracted qualified biologist's written report of compliance submitted to County and if restoration is required, written report of compliance shall reflect inspections by the qualified biologist during the monitoring period;</p> <p>County Planning and Building to verify receipt of biologist's report prior to permit approval(s).</p> <hr/> <p>Date Completed:</p> <hr/> <p>Action Taken:</p>
<p><b>BIO-3b: <u>Restore Wetlands Impacted during Construction Create Compensatory Mitigation Wetlands</u></b></p> <p>The PCSD shall <u>restore all <del>avoid fill of</del> seasonal wetland <del>habitat temporarily impacted by project construction, to pre-project conditions and waters, to the extent feasible.</del></u> Restoration shall result in <del>fill cannot be avoided, PCSD shall compensate for the loss of seasonal wetland habitat through the creation of on-site seasonal wetlands at a ratio of 3:1, so that there is no net loss of in-</del> wetlands. The PCSD shall prepare and implement a plan to identify and</p>	Monitor during construction	Peninsula CSD	<p>Contracted qualified biologist's written report of compliance submitted to County and if restoration is required, written report of compliance shall reflect inspections by the qualified biologist during the monitoring period;</p> <p>County Planning and Building to verify receipt of biologist's report prior to permit approval(s).</p>

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<p><u>compensate restore to pre-project conditions for those wetland areas for where there are temporary impacts that cannot be avoided during construction. The Plan shall include the following components, and must adequately restore impacted wetlands to pre-project conditions, be consistent with HBAP, and be approved by the California Coastal Commission and California Department of Fish &amp; Wildlife:</u></p> <ul style="list-style-type: none"> <li>• <u>Identify, map, and quantify the temporarily impacted wetlands.</u></li> <li>• <u>Determine success criteria against which the restoration would be judged to successfully have restored the wetlands, which at a minimum shall be defined by no net loss of wetland.</u></li> <li>• <u>Determine appropriate ongoing monitoring frequency, which at a minimum shall be yearly for 2 years, or more if warranted by the habitat impacted. If additional restoration activities are determined to be required during monitoring, the monitoring period shall start again from the time of the additional restoration activity. The monitoring plan shall include the timing and frequency of inspections, and documentation of inspections, until it is determined the success criteria have been met.</u></li> <li>• <u>If during monitoring it is found that the restoration is not succeeding, the PCSD shall consult with California Coastal Commission and California Department of Fish &amp; Wildlife to determine appropriate corrective actions.</u></li> <li>• Required permits and approvals from the U.S. Army Corp of Engineers, the North Coast Regional Water Quality Control Board, the California Department of Fish and Wildlife, and the California Coastal Commission shall be received prior to the start of any on-site construction activity. The County shall ensure any additional measures outlined in the permits are implemented.</li> </ul>			<p>Date Completed:</p> <hr/> <p>Action Taken:</p>



Mitigation Measure	Timing	Responsible Party	Measure of Completion & Approval
<b>Section 4.4 Cultural and Tribal Cultural Resources</b>			
<p><b>CTR-1: Minimize Impacts on Adjacent Historic Resources</b></p> <p>The County shall implement measures to minimize potential impacts of new development on adjacent contributing historic resources as a condition of approval of coastal development permits authorizing new construction of facilities within the Samoa Town Master Plan area subject to a D - Design Review Combining Zone. These shall include siting, design and screening of new buildings, consistent with Design Guidelines, including compatible building height, scale, materials, roof and wall mass and articulation.</p>	Condition of building permit	Peninsula CSD	<p>Drawings prepared or approved by historic architect; County Planning and Building verifies historic architect's drawings/approval prior to building permit approval.</p> <p>Date Completed:</p> <p>Action Taken:</p>
<p><b>CTR-2: Protect Archaeological Resources during Construction</b></p> <p>The PCSD shall protect unknown archaeological resources. Should an archaeological resource be inadvertently discovered during ground-disturbing activities, the Tribal Historic Preservation Officers (THPO) appointed by the Blue Lake Rancheria, Bear River Band of Rohnerville Rancheria and Wiyot Tribe shall be immediately notified and a qualified archaeologist with local experience retained to consult with the PCSD, the three THPOs, Humboldt County and other applicable regulatory agencies to employ best practices for assessing the significance of the find, developing and implementing a mitigation plan if avoidance is not feasible, and reporting in accordance with the Harbor District's Standard Operating Procedures. The Standard Operating Procedures include, but are not limited to, the following:</p> <ul style="list-style-type: none"> <li>• Ground-disturbing activities shall be immediately stopped if potentially significant historic or archaeological materials are discovered. Examples include, but are not limited to, concentrations of historic artifacts (e.g.,</li> </ul>	Monitor during construction	Peninsula CSD	<p>Tribal Historic Preservation Officers and contracted qualified archaeologist representatives to monitor ground disturbing constructions activities at specific locations; develop and implement a Treatment Plan if avoidance is not feasible, and report in accordance with the Harbor District's Standard Operating Procedures and submit written record to County;</p> <p>County Planning and Building Division to verify archaeological monitoring and confirm receipt of monitoring record</p>

Mitigation Measure	Timing	Responsible Party	Measure of Completion & Approval
<p>bottles, ceramics) or prehistoric artifacts (chipped chert or obsidian, arrow points, groundstone mortars and pestles), culturally altered ash-stained midden soils associated with pre-contact Native American habitation sites, concentrations of fire-altered rock and/or burned or charred organic materials, and historic structure remains such as stone-lined building foundations, wells or privy pits. Ground-disturbing project activities may continue in other areas that are outside the discovery locale.</p> <ul style="list-style-type: none"> <li>• An “exclusion zone” where unauthorized equipment and personnel are not permitted shall be established (e.g., taped off) around the discovery area plus a reasonable buffer zone by the Contractor Foreman or authorized representative, or party who made the discovery and initiated these measures.</li> <li>• The discovery locale shall be secured (e.g., 24-hour surveillance) as directed by the PCSD if considered prudent to avoid further disturbances.</li> <li>• The Contractor Foreman or authorized representative, or party who made the discovery and initiated these Standard Operating Procedures, shall be responsible for immediately contacting by telephone the parties listed below to report the find: <ul style="list-style-type: none"> <li>• the PCSD’s authorized Point of Contact (POC), and</li> <li>• the Applicant’s (District’s permittee, lease or franchise holder) authorized POC, and it’s General Contractor’s POC if applicable.</li> </ul> </li> <li>• Upon learning about a discovery, the PCSD’s POC shall be responsible for immediately contacting by telephone the POCs listed below to initiate the consultation process for its treatment and disposition: <ul style="list-style-type: none"> <li>• THPOs with Blue Lake Rancheria, Bear River Band and Wiyot Tribe; and other applicable agencies involved in Project permitting (e.g., US Army Corps of Engineers, US Fish &amp; Wildlife Service, California Department of Fish &amp; Wildlife, etc.).</li> </ul> </li> <li>• Ground-disturbing project work at the find locality shall be suspended temporarily while PCSD, the three THPOs, consulting archaeologist and other applicable parties consult about appropriate treatment and disposition of the find. Ideally, a Treatment Plan will be developed within three working days of discovery notification. Where the project can be modified to avoid disturbing the find (e.g., through project redesign), this may be the preferred option. Should Native American remains be encountered, the provisions of State laws shall apply (see below). The Treatment Plan shall reference appropriate laws and include provisions for analyses, reporting, and final disposition of data recovery documentation and any collected artifacts or other archaeological constituents. Ideally, the field phase of the Treatment Plan may be accomplished within five (5) days after its approval, however,</li> </ul>			<p>Date Completed:</p> <hr/> <p>Action Taken:</p>

Mitigation Measure	Timing	Responsible Party	Measure of Completion & Approval
<p>circumstances may require longer periods for data recovery.</p> <ul style="list-style-type: none"> <li>The PCSD's officers, employees and agents, including contractors, permittees, holders of leases or franchises, and applicable property owners shall be obligated to protect significant cultural resource discoveries and may be subject to prosecution if applicable State or Federal laws are violated. In no event shall unauthorized persons collect artifacts.</li> <li>Any and all inadvertent discoveries shall be considered strictly confidential, with information about their location and nature being disclosed only to those with a need to know. The PCSD's authorized representative shall be responsible for coordinating with any requests by or contacts to the media about a discovery.</li> <li>These Standard Operating Procedures shall be communicated to the field work force (including contractors, employees, officers and agents) of those entities that obtain a permit, lease or franchise from the PCSD, and such communications may be made and documented at weekly tailgate safety briefings.</li> <li>Ground-disturbing work at a discovery locale may not be resumed until authorized in writing by the PCSD.</li> </ul>			
<p><b>CTR-3: Recovery of Unknown Buried Paleontological Resources</b>  In the event that paleontological resources are discovered, the PCSD shall notify a qualified paleontologist. The paleontologist shall document the discovery as needed, evaluate the potential resource, and assess the significance of the find under the criteria set forth in CEQA Guidelines Section 15064.5. If fossilized materials are discovered during construction, excavations within 50 feet of the find shall be temporarily halted or diverted until the discovery is examined by a qualified paleontologist. The paleontologist shall notify the appropriate agency to determine procedures that would be followed before construction is allowed to resume at the location of the find.</p> <p>If the PCSD determines that avoidance is not feasible, the paleontologist shall prepare an excavation plan for mitigating the effect of the project on the qualities that make the resource important. The plan shall be submitted to the PCSD for review and approval prior to implementation</p>	<p>Monitor during construction</p>	<p>Peninsula CSD</p>	<p>Contracted qualified paleontologist written report of compliance submitted to County;  County Planning and Building to verify receipt of paleontologist's report prior to permit approval(s).</p> <hr/> <p>Date Completed:</p> <hr/> <p>Action Taken:</p>

Mitigation Measure	Timing	Responsible Party	Measure of Completion & Approval
<p><b>CTR-4: Protect Human Remains if Encountered during Construction</b></p> <p>Should human remains be inadvertently discovered during ground-disturbing activities, work at the discovery locale shall be halted immediately, the PCSD and County Coroner contacted, and the Harbor District's Standard Operating Procedures shall be followed, consistent with Public Resources Code § 5097.9 and Health and Safety Code § 7050.5. The Standard Operating Procedures include, but are not limited to, the following:</p> <ul style="list-style-type: none"> <li>• If human remains are encountered, they shall be treated with dignity and respect. Discovery of Native American remains is a very sensitive issue and serious concern of affiliated Native Americans. Information about such a discovery shall be held in confidence by all project personnel on a need-to-know basis. The rights of Native Americans to practice ceremonial observances on sites, in labs and around artifacts shall be upheld.</li> <li>• Violators of Section 7050.5 of the California Health and Safety Code may be subject to prosecution to the full extent of applicable law (felony offense).</li> <li>• The Coroner has two working days to examine the remains after being notified of the discovery. If the remains are Native American, the Coroner has 24 hours to notify the Native American Heritage Commission (NAHC) in Sacramento at (916) 653-4082.</li> <li>• The NAHC is responsible for identifying and immediately notifying the Most Likely Descendant (MLD) of the deceased Native American. (Note: NAHC policy holds that the Native American Monitor will not be designated the MLD.)</li> </ul>	<p>Monitor during construction</p>	<p>Peninsula CSD</p>	<p>Tribal Historic Preservation Officers and contracted qualified archaeologist representatives to monitor ground disturbing constructions activities at specific locations; develop and implement a Treatment Plan if avoidance is not feasible, and report in accordance with the Harbor District's Standard Operating Procedures and submit written record to County;</p> <p>County Planning and Building Division to verify archaeological monitoring and confirm receipt of monitoring record</p> <hr/> <p>Date Completed:</p>

Mitigation Measure	Timing	Responsible Party	Measure of Completion & Approval
<ul style="list-style-type: none"> <li>• Within 48 hours of their notification by the NAHC, the MLD will be granted permission by the property owner of the discovery locale to inspect the discovery site if they so choose.</li> <li>• Within 48 hours of <del>their notification by the NAHC</del> <u>being given access to the site</u>, the MLD may recommend to the owner of the property (discovery site) the means for treating or disposing, with appropriate dignity, the human remains and any associated grave goods. The recommendation may include the scientific removal and non-destructive or destructive analysis of human remains and items associated with Native American burials. Only those osteological analyses (if any) recommended by the MLD may be considered and carried out.</li> <li>• Whenever the NAHC is unable to identify a MLD, or the MLD fails to make a recommendation, or the property owner rejects the recommendation of the MLD and mediation between the parties by NAHC fails to provide measures acceptable to the property owner, he/she shall cause the re-burial of the human remains and associated grave offerings with appropriate dignity on the property in a location not subject to further subsurface disturbance.</li> </ul>			Action Taken:
<p><b>CTR-5: Minimize Impacts to Unknown Tribal Cultural Resources</b></p> <p>Prior to construction, all three Wiyot groups, Bear River Band of the Rohnerville Rancheria, Blue Lake Rancheria, and the Wiyot Tribe, shall be contacted and provided the opportunity to monitor ground-disturbing activities. <u>PCSD shall require tribal monitoring during earth-disturbing construction activities at the following locations: CA-HUM-17, CA-HUM-18, and CA-HUM-19. PCSD shall require tribal monitoring during earth-disturbing construction activities at the following locations: Bendixon and Rolph shipyards, and communities at Finntown and Fairhaven.</u></p> <p>If potential tribal cultural resources are uncovered during construction, the PCSD <u>and/or Tribal Monitor</u> shall halt work, and workers shall avoid altering the materials and their context. Project personnel shall not collect cultural materials. The PCSD shall immediately notify the Tribal Historic Preservation Officers (THPO) appointed by the Blue Lake Rancheria, Bear River Band of Rohnerville Rancheria and Wiyot Tribe shall be immediately notified and a qualified</p>	Monitor during construction	Peninsula CSD	Tribal Historic Preservation Officers and contracted qualified archaeologist representatives to monitor ground disturbing constructions activities at specific locations; develop and implement a Treatment Plan if avoidance is not feasible, and report in accordance with the Harbor District's Standard Operating Procedures and submit written record to County; County Planning and Building Division to verify archaeological monitoring and confirm receipt of monitoring record.

Mitigation Measure	Timing	Responsible Party	Measure of Completion & Approval
<p>archaeologist with local experience retained to consult with the PCSD, the three THPOs, other applicable regulatory agencies to employ best practices for assessing the significance of the find, developing and implementing a mitigation plan if avoidance is not feasible, and <u>data recovery and</u> reporting in accordance with the Protocols for Inadvertent Archaeological Discoveries for Ground Disturbing Project Permits, Leases and Franchises Issued by The Humboldt Bay Harbor, Recreation, and Conservation District, Humboldt Bay, California, with the substitution of PCSD staff for Harbor District Staff.</p>			<p>Date Completed:</p> <hr/> <p>Action Taken:</p>
<p><b>Section 4.5 Geology, Soils, and Seismicity</b></p>			
<p><b>GEO-2: Reduce Geologic Hazards through Design and Construction Measures</b></p> <p>The PCSD shall design and construct the project in conformance with the specific recommendations contained in the geotechnical report prepared for the project. Specifically, the design and construction shall be consistent with the geotechnical recommendations for seismic design and liquefiable soils, which may include flexible joints for underground utilities, preventing flotation of pipelines, earthwork, and excavation. Professional inspection of the pipe installation and any foundations shall be performed during construction to ensure compliance with the recommendations.</p>	<p>Condition of building permit</p> <p>Monitor during construction</p>	<p>Peninsula CSD</p>	<p>Engineering designs prepared according to geotechnical report prepared for the project.</p> <p>County Building Division to approve designs prior to building permit approval.</p> <p>Qualified engineer to inspect pipe installation and any foundations and report of inspection submitted to County Building Division</p> <hr/> <p>Date Completed:</p> <hr/> <p>Action Taken:</p>

Mitigation Measure	Timing	Responsible Party	Measure of Completion & Approval
<b>Section 4.7 Hazards and Hazardous Materials</b>			
<p><b>HAZ-3: Soil and Groundwater Management during Construction</b></p> <p>The PCSD shall prepare a construction Soil and Groundwater Management Plan (SGMP) prior to start of construction activities. The SGMP will include the following components:</p> <ol style="list-style-type: none"> <li><b>Soil Pre-characterization Workplan.</b> A work plan that identifies potential COCs for laboratory analysis, location, and number of borings necessary for pre-characterization and depths for sample collection. This work will be completed by professional engineer or geologist licensed in the state of California. Pre-characterization soil borings shall be conducted in areas that are within or adjacent to sites with hazard ranks of one, two, or three where soil will be disturbed or groundwater encountered by project construction activities. Surficial and depth-discrete samples shall be collected to the proposed depth of excavation. Fill materials may be encountered within or adjacent to sites with a hazard rank of 3 where historical activities and site reconnaissance suggest that areas within or adjacent to the project alignment were filled. Fill materials may include wood debris from treated lumber.</li> <li><b>Health and Safety Plan.</b> Data generated from the soil pre-characterization will be used to prepare a project-specific construction period health and safety plan and identify areas where impacted soil and/or groundwater management for worker protection may be necessary.</li> <li><b>Field Screening Procedures.</b> Field screening procedures shall be identified in the SGMP and enacted during construction to identify potentially impacted soil in areas of the project alignment that are within or adjacent to sites with hazard ranks of one, two, or three. If impacted soil or groundwater is encountered during construction activities, follow up measures (such as, soil and groundwater sample collection, laboratory analysis, stockpiling, impacted soil segregation, and manifested disposal) may be necessary.</li> <li><b>Follow-up Measures.</b> The SGMP will identify follow-up measures to be taken in the event impacted soil or groundwater is encountered during construction activities. The SGMP will identify each potential COC, stopwork actions if encountered, person(s) responsible for initiating follow-up measures, and notification, coordination, removal, and disposal processes (as appropriate). If impacted soil and groundwater is encountered during construction, appropriate measures for worker protection shall be implemented per the Health and Safety Plan.</li> </ol>	Condition of grading, demolition, or building permit	Peninsula CSD	<p>Permit approval; County Planning and Building to confirm receipt and approval of Soil and Groundwater Management Plan.</p> <hr/> <p>Date Completed:</p> <hr/> <p>Action Taken:</p>

Mitigation Measure	Timing	Responsible Party	Measure of Completion & Approval
<b>Section 4.8 Hydrology and Water Quality</b>			
<p><b>HWQ-1a: Manage Stormwater during Construction</b>  The PCSD shall prepare a stormwater pollution prevention plan (SWPPP) specific to the project and be responsible for securing coverage under SWRCB's NPDES stormwater permit for general construction activity (Order 2009-0009-DWQ). The SWPPP shall identify specific actions and BMPs relating to the prevention of stormwater pollution from project-related construction sources by identifying a practical sequence for site restoration, BMP implementation, contingency measures, responsible parties, and agency contacts. The SWPPP shall reflect localized surface hydrological conditions and shall be reviewed and approved by the project applicant prior to commencement of work and shall be made conditions of the contract with the contractor selected to build the project. The SWPPP(s) shall incorporate control measures in the following categories:</p> <ul style="list-style-type: none"> <li>• Soil stabilization and erosion control practices (e.g., hydroseeding, erosion control blankets, mulching);</li> <li>• Dewatering and/or flow diversion practices, if required (see Mitigation Measure HWQ-1b);</li> <li>• Sediment control practices (temporary sediment basins, fiber rolls);</li> <li>• Temporary and post-construction on- and off-site runoff controls;</li> <li>• Special considerations and BMPs for water crossings, wetlands, and drainages;</li> <li>• Monitoring protocols for discharge(s) and receiving waters, with emphasis placed on the following water quality objectives: dissolved oxygen, floating material, oil and grease, pH, and turbidity;</li> <li>• Waste management, handling, and disposal control practices;</li> <li>• Corrective action and spill contingency measures;</li> <li>• Agency and responsible party contact information, and</li> <li>• Training procedures that shall be used to ensure that workers are aware of permit requirements and proper installation methods for BMPs specified in the SWPPP.</li> </ul> <p>The SWPPP shall be prepared by a qualified SWPPP practitioner with BMPs selected to achieve maximum pollutant removal and that represent the best available technology that is economically achievable. Emphasis for BMPs shall be placed on controlling discharges of oxygen-depleting substances, floating material, oil and grease, acidic or caustic substances or compounds, and turbidity. BMPs for soil stabilization and erosion control practices and sediment control practices will also be required. Performance and effectiveness of these BMPs shall be determined either by visual means where applicable (i.e.,</p>	<p>Prior to start of construction</p>	<p>Peninsula CSD</p>	<p>Notice of Intent filed and adopted by the SWRCB;  County Public Works Director to approve implementation of site-specific SWPPP, and confirm filing of NOI.</p> <p>NPDES or a waste discharge requirement waiver issued from the North Coast Regional Water Quality Control Board;  County Public Works confirms NCRWQCB NPDES or waiver prior to encroachment permit approval.</p> <hr/> <p>Date Completed:</p>   <hr/> <p>Action Taken:</p>



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<p>observation of above-normal sediment release), or by actual water sampling in cases where verification of contaminant reduction or elimination, (inadvertent petroleum release) is required to determine adequacy of the measure.</p>			
<p><b>HWQ-1b: Construction Dewatering Permits</b>  All construction dewatering shall be discharged to an approved land disposal area or drainage facility in accordance with a NPDES permit and North Coast RWQCB requirements. The PCSD shall apply for the NPDES permit and provide the NCRWQCB with the location, type of discharge, and methods of treatment and monitoring for all groundwater dewatering discharges, prior to dewatering activities. Emphasis shall be placed on those discharges that would occur directly or in proximity to surface water bodies and drainage facilities.</p>			<p>Notice of Intent filed and adopted by the SWRCB;  County Public Works Director to approve implementation of site-specific SWPPP, and confirm filing of NOI.</p> <p>NPDES or a waste discharge requirement waiver issued from the North Coast Regional Water Quality Control Board;  County Public Works confirms NCRWQCB NPDES or waiver prior to encroachment permit approval.</p> <p>Date Completed:</p> <p>Action Taken:</p>

Mitigation Measure	Timing	Responsible Party	Measure of Completion & Approval
<b>Section 4.10 Noise</b>			
<p><b>NOI-1: Noise Attenuation Design for Pump Stations</b></p> <p>The County shall require each pump station design to include a demonstration that pump-generated noise would be attenuated to less than 60 dBA at the exterior of the pump station.</p>	<p>Within six months of pump station completion</p>	<p>Peninsula CSA</p>	<p>Contracted qualified engineer's written report of compliance submitted to County; County Planning and Building to verify receipt of engineer's report.</p> <p>Date Completed:</p> <p>Action Taken:</p>