

APPENDIX B: BEST MANAGEMENT PRACTICES

Adams Pond Restoration Project CEQA Initial Study / Mitigated Negative Declaration

Appendix B: Best Management Practices

Developed for the Adams Pond Restoration Project

Air Quality

- ❖ **AIR-1:** The contract shall post a publicly visible sign with the telephone number and person to contact regarding dust complaints. This person shall respond and take corrective action within 24 hours. The telephone number of the District shall also be visible to ensure compliance with District Rule 4:1 & 4:24 (Nuisance and Fugitive Dust Emissions)
- ❖ **AIR-2:** The contractor shall maintain all equipment per manufacturer specifications to optimize fuel efficiency and minimize leaks or maintenance-related losses.
- ❖ **AIR-3:** Maximize to the extent feasible, the use of diesel construction equipment meeting current CARB certification standards for off-road heavy-duty diesel engines.
- ❖ **AIR-4:** Registration in the CARB DOORS program www.arb.ca.gov/msprog/ordiesel/ordiesel.htm and meeting all applicable standards for replacement and/or retrofit.
- ❖ **AIR-5:** All portable equipment, including generators and air compressors rated over 50 brake horse power, registered in the Portable Equipment Registration Program (www.arb.ca.gov/portable/portable.htm), or permitted through the District as a stationary source.
- ❖ **AIR-6:** The contractor shall limit idling of heavy equipment to five minutes or less consistent with CARB Airborne Toxic Control Measures.
- ❖ **AIR-7:** The contractor shall implement efficient haul route planning to minimize travel distances and redundant trips.
- ❖ **AIR-8:** The contractor shall retain a water truck or portable tank on-site for dust control and emergency response. The contractor shall source construction water from permitted existing sources and apply only as needed for dust control.
- ❖ **AIR-9:** Water shall be applied by means of truck(s), hoses and/or sprinklers as needed prior to any land clearing or earth movement to minimize dust emission.
- ❖ **AIR-10:** All visibly dry disturbed unpaved roads surface areas of operation shall be watered to minimize dust emission.
- ❖ **AIR-11:** Water shall be applied to disturbed areas as necessary.
- ❖ **AIR-12:** Haul roads shall be sprayed down at the end of the work shift to form a thin crust. This application of water shall be in addition to the minimum rate of application.
- ❖ **AIR-13:** Haul vehicles transporting soil into or out of the property shall be covered.
- ❖ **AIR-14:** On-site vehicles shall be limited to a speed which minimizes dust emissions on unpaved roads.
- ❖ **AIR-15:** Existing roads and streets adjacent to the project will be cleaned at least once per day unless conditions warrant a greater frequency.

- ❖ **AIR-16:** Vehicles entering or exiting construction area shall travel at a speed which minimizes dust emissions.
- ❖ **AIR-17:** Construction workers shall park in designated parking areas(s) to help reduce dust emissions.
- ❖ **AIR-18:** Soil pile surfaces shall be moistened if dust is being emitted from the pile(s). Adequately secured tarps, plastic or other material may be required to further reduce dust emissions.

Cultural Resources

- ❖ **CUL-1:** Conduct a pre-construction cultural sensitivity briefing for all personnel, explaining the potential for unanticipated discoveries and procedures for halting work.
- ❖ **CUL-2:** If cultural resources (e.g., stone tools, bone, shell, or ceramics) are discovered, halt work within 50 feet of the find. A qualified archaeologist shall assess the resource and recommend appropriate treatment, including avoidance or documentation.
- ❖ **CUL-3:** If human remains are encountered, work shall stop immediately in the vicinity, and the Tehama County Coroner shall be notified. If remains are of Native American origin, the Native American Heritage Commission (NAHC) shall be contacted per PRC §5097.98, and the Most Likely Descendant (MLD) shall provide recommendations for treatment.
- ❖ **CUL-4:** Include the above discovery and consultation procedures in construction contracts and environmental training materials to ensure compliance by all field personnel.

Energy

- ❖ **ENR-1:** The contractor shall maintain all equipment per manufacturer specifications to optimize fuel efficiency and minimize leaks or maintenance-related losses.
- ❖ **ENR-2:** The contractor shall limit idling of heavy equipment to five minutes or less consistent with CARB Airborne Toxic Control Measures.
- ❖ **ENR-3:** The contractor shall implement efficient haul route planning to minimize travel distances and redundant trips.

Greenhouse Gas Emissions

- ❖ **GHG-1:** The contractor shall maintain all equipment per manufacturer specifications to optimize fuel efficiency and minimize leaks or maintenance-related losses.
- ❖ **GHG-2:** The contractor shall limit idling of heavy equipment to five minutes or less consistent with CARB Airborne Toxic Control Measures.
- ❖ **GHG-3:** The contractor shall implement efficient haul route planning to minimize travel distances and redundant trips.

Hazards and Hazardous Materials

- ❖ **HAZ-1:** The contractor shall prepare and implement a Spill Prevention and Emergency Response Plan (SPERP) detailing containment, cleanup, and reporting procedures for accidental releases.

- ❖ **HAZ-2:** Measures for handling and containment of hazardous substances should be in place to minimize the risk of accidental release.
- ❖ **HAZ-3:** Spill response materials are to remain onsite and accessible at all times, with placement near equipment staging or storage locations.
- ❖ **HAZ-4:** The contractor shall make personnel aware of general spill response procedures, including containment, cleanup, and reporting in accordance with regulatory guidance. Disposal of contaminated materials is to follow applicable local, state, and federal protocols.
- ❖ **HAZ-5:** The contractor shall follow spill prevention and control measures to avoid contamination of soil or water resources that could indirectly affect wildlife.
- ❖ **HAZ-6:** The contractor shall implement fire prevention measures including but not limited to:
 - Maintaining operational fire extinguishers on all heavy equipment and in construction vehicles;
 - Prohibiting idling near dry vegetation;
 - Ceasing operations during Red Flag Warning conditions if required by CAL FIRE or Tehama County.
- ❖ **HAZ-7:** The contractor shall conduct all activities in accordance with Cal/OSHA safety standards and Tehama County fire and hazardous materials regulations.

Hydrology and Water Quality

- ❖ **WQ-1:** The contractor shall develop and implement a Stormwater Pollution Prevention Plan (SWPPP) in accordance with the 2022 California Construction Stormwater General Permit (Order 2022-0057-DWQ).
- ❖ **WQ-2:** Appropriate Best Management Practices (BMPs) will be selected and implemented to minimize erosion, sediment transport, and pollutant discharge during construction activities.
- ❖ **WQ-3:** SWPPP will include a Spill Prevention and Emergency Response Plan that outlines procedures for spill prevention and response, inspection and maintenance protocols, and staff training requirements. Responsible parties and emergency contacts will be designated.
- ❖ **WQ-4:** A copy of the SWPPP will be provided to all applicable personnel and maintained onsite for the duration of ground-disturbing activities.
- ❖ **WQ-5:** Spill response materials, such as kits and absorbents, will be staged nearby work areas and staging areas and accessible to all trained personnel.

Noise

- ❖ **NOISE 1:** The contractor shall comply with all applicable local sound ordinances and manage equipment use to minimize excessive noise.
- ❖ **NOISE 2:** Hearing protection such as earplugs or earmuffs shall be used by all personnel operating or working near loud equipment.

Public Services

- ❖ **PS-1:** Coordinate with CAL FIRE prior to construction to ensure compliance with seasonal fire restrictions and access requirements.
- ❖ **PS-2:** All equipment and heavy machinery shall be equipped with operational spark arresters and fire extinguishers.
- ❖ **PS-3:** The contractor shall retain a water truck or portable tank on-site for dust control and emergency response.
- ❖ **PS-4:** The contractor shall designate an on-site Safety Officer responsible for implementing fire prevention, spill response, and emergency contact protocols shall be designated.
- ❖ **PS-5:** All construction personnel shall be provided with safety and emergency training consistent with CAL FIRE and Tehama County standards.
- ❖ **PS-6:** The contractor shall develop a Fire Prevention and Emergency Response Plan.

Transportation

- ❖ **TRN-1:** The contractor shall obtain necessary encroachment or haul route permits from Tehama County Public Works prior to construction.
- ❖ **TRN-2:** Heavy vehicle traffic shall be limited to designated haul routes and maintain safe operating speeds on rural roads.
- ❖ **TRN-3:** Traffic safety measures, such as signage, flagging, and speed control near active construction areas or when accessing the site from SR 36 shall be put into place as necessary.
- ❖ **TRN-4:** The contractor shall ensure that emergency access is maintained at all times and coordinate with CAL FIRE and Tehama County Sheriff's Office as needed
- ❖ **TRN-5:** The contractor shall restore all access roads and haul routes to pre-project conditions following completion of construction.

Tribal Cultural Resources

- **TCR-1:** If any tribal cultural materials (e.g., stone tools, bone, shell, features, or other artifacts) are discovered during construction, work shall halt within 50 feet of the find. The TCRCD shall immediately notify the NAHC and consult with the affiliated tribe(s) to evaluate the discovery and determine appropriate treatment.
- **TCR-2:** If the discovery is determined to be a Tribal Cultural Resource, the TCRCD, in consultation with the tribe and a qualified archaeologist, shall develop and implement a Tribal Cultural Resources Treatment Plan prior to resuming work.
- **TCR-3:** If human remains are encountered, work shall stop immediately in the vicinity and the Tehama County Coroner shall be notified. If remains are of Native American origin, the Native American Heritage Commission (NAHC) shall be contacted per PRC §5097.98, and the Most Likely Descendant (MLD) shall provide recommendations for treatment.
- **TCR-4:** All field personnel shall receive a cultural and tribal sensitivity training prior to ground disturbance, led by a qualified archaeologist or tribal representative, to ensure awareness of procedures and respect for cultural heritage.

Utilities and Service Systems

- **USS-1:** The contractor shall source construction water from permitted existing sources and apply only as needed for dust control or watering of restoration areas.
- **USS-2:** The contractor shall provide portable, self-contained sanitation facilities for construction personnel and ensure regular servicing by a licensed vendor. The portable, sanitation facility shall be stationed at Staging Area 1 within the confines of the silt fence.
- **USS-3:** The contractor shall collect, segregate, and dispose of **all solid waste** at permitted facilities, prioritizing recycling or reuse where feasible.
- **USS-4:** The contractor shall implement erosion and sediment control BMPs to manage stormwater and prevent discharge of sediment into nearby waterways.
- **USS-5:** The contractor shall handle any hazardous or contaminated waste materials per Tehama County Environmental Health Department and CalRecycle regulations.

Wildfire

- ❖ **FIRE-1:** The contractor shall develop a Fire Prevention and Emergency Response Plan.
- ❖ **FIRE-2:** The contractor shall assign an on-site Safety Officer responsible for implementing fire prevention, spill response, and emergency contact protocols shall be designated.
- ❖ **FIRE-3:** The contractor shall train all construction personnel in fire prevention, response, and reporting procedures consistent with CAL FIRE and Tehama County standards. Crews shall be trained to understand and to monitor for ignition sources such as sparks or smoke.
- ❖ **FIRE-4:** The contractor shall coordinate with CAL FIRE prior to construction to ensure compliance with seasonal fire restrictions and access requirements.
- ❖ **FIRE-5:** The contractor shall ensure that emergency access is maintained at all times and coordinate with CAL FIRE and Tehama County Sheriff's Office as needed.
- ❖ **FIRE-6:** Construction shall be limited to non-critical fire weather periods and suspend operations during Red Flag Warnings or extreme wind conditions as directed by CAL FIRE. The Contractor will monitor prior to work and during construction amid fire seasons.
- ❖ **FIRE-7:** All construction vehicles and equipment shall be fitted with functional spark arresters, fire extinguishers, and emergency communication devices.
- ❖ **FIRE-8:** All designated staging areas and temporary haul roads shall be cleared of flammable vegetation.
- ❖ **FIRE-9:** The contractor shall maintain water trucks or portable tanks on-site for dust suppression and fire response during construction. Water storage units (e.g., water buffalo tanks, backpacks) shall be positioned nearby for emergency response.
- ❖ **FIRE-10:** Tools such as Pulaskis and shovels shall be kept onsite for establishing fire breaks if needed.
- ❖ **FIRE-11:** All activities shall be conducted in accordance with Cal/OSHA safety standards and Tehama County fire and hazardous materials regulations.