

# **CONTRA COSTA WATER DISTRICT**

## **CONTRACTOR/CONSULTANT SAFE PRACTICES HANDBOOK**

***Fiscal Year 2022***

December 1, 2021 Update



# **CONTRACTOR/CONSULTANT SAFE PRACTICES HANDBOOK**

Contra Costa Water District's (District) goal is to provide everyone with the benefits of a safe and healthy work environment. The District is committed to maintaining a workplace free from work-related injuries and illnesses, and to complying with applicable laws and regulations governing workplace safety.

To help achieve these goals, the District has developed a Contractor/Consultant Safe Practices Handbook. These safe practices outlined in this handbook are intended to foster a safe and healthful work environment.

It is the responsibility of everyone to work together to identify and eliminate conditions and practices that create an unsafe or unhealthy work environment.

This handbook is to augment the requirements in the safety section of the bid documents in the General Conditions, if applicable, and is to be used by each contractor, consultant, subcontractor, sub-consultant and their employees (herein called Contractor) as the minimum requirements of their safety program. While this handbook provides many of the safe practices the District requires of its contractors, it is not intended to include all required safe practices. The Contractor and its employees are expected to follow all applicable rules and regulations in the performance of their work. District staff may exercise Stop Work Authority if contractors are observed violating District safe work practices while working on District infrastructure, and may shut down a job until the condition or situation creating the hazard has been corrected and District safety procedures are adhered to.

The District's Health and Safety Program's objectives are to:

- Maximize the safety of employees, contractors, and the general public
- Maintain a safe and healthy work environment as free as possible from threat of injury or illness due to unsafe practices or conditions
- Establish safety as a priority in conjunction with efficiency and productivity
- Comply with all federal, state, city, and District safety requirements and guidelines and, where necessary, to implement additional policies to ensure safety

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*The following are safe practices that shall be followed. These safe practices coincide with and/or augment other applicable federal, state and local safety, health and environmental regulations and codes that also shall be followed. The Contractor shall follow the more stringent requirement of this handbook or other federal, state or local regulations.*

# GENERAL SAFETY PRACTICES

1. Review the requirements set out in this handbook with all employees and subcontractor employees.
2. Obtain appropriate equipment before the start of work to conduct work safely. For example: ladders, lighting, extension cords, direct-read gas monitors, confined space retrieval devices, ventilation fans, lockout/tagout kits, warning signs, as well as personal protective equipment such as respiratory protection, fall protection harnesses, lanyards, hard hats, and safety glasses.
3. Delineate the work zone requiring hard hats using signs, cones, barricades, caution tape, or equivalent warning devices.
4. Use stairs, ladders or ramps to climb up or down work surfaces 4 feet or more in height and/or depth.
5. Ensure there is adequate lighting to perform the job safely.
6. Do not enter confined spaces (vaults, tanks, buried reservoirs, and pipes) unless you are trained, have monitored the atmosphere, and have eliminated or controlled all serious hazards. Notify the District 24 hours before a confined space entry. See Confined Spaces section for other requirements.
7. Keep your work area clean and orderly at all times to prevent slips, trips or falls. Place barriers or warning signs at locations with wet floors.
8. Attend pre-job safety briefings. Conduct tailgate safety meetings at least once every ten days for work involving construction, maintenance or repair work, or any work near water (reservoirs and canals) or in confined spaces.
9. The District water treatment plants and Los Vaqueros Watershed have additional visitor safety rules. Comply with the pertinent visitor safety rules when visiting one of these District locations.
10. Written pre-task plans are required to be completed prior to High Hazard Job Tasks. See High Hazard Job Tasks section for further information. High Hazard Job Tasks are defined as:
  - a. Permit-required confined space entry
  - b. Maintenance tasks requiring lockout/tagout
  - c. Line breaking tasks – Opening of equipment that may carry flammable, corrosive, or toxic material, or an inert gas or any fluid, including water, at a volume, pressure, or temperature capable of causing serious injury
  - d. Neutralizing large amounts of spilled corrosive substances at plant process areas
  - e. Work requiring the use of cartridge respirators or self-contained breathing apparatus

- f. Use of mobile cranes with persons (other than the crane operator) on foot and in the immediate area of operation
  - g. High-voltage electrical work above 480 Volts or work on exposed live parts of low voltage (50 - 480V)
  - h. Work using a personal fall arrest system
  - i. Excavating with heavy equipment or working in an excavation deeper than 4 feet
  - j. Work in public roadways with the speed limits of 30 MPH or more and when traffic control measures are needed for a time period of more than 15 minutes
  - k. Scaffold erection
  - l. Hot work (welding, cutting, or grinding outside of maintenance shops)
  - m. Chainsaw operations to remove a branch or tree greater than 8 inches in diameter
  - n. Work over water at night
  - o. Any other job task determined as highly hazardous by the lead person or the supervisor in charge.
11. The pre-task plan must cover hazards expected throughout the job task, measures to protect against those hazards, and emergency response planning. Use available safety checklists for the job task (e.g., confined space entry permit), and complete during the tailgate meeting. All employees involved in the High Hazard Job Task must attend the meeting. The pre-task plan and meeting information must be documented. Prior to High Hazard Job Tasks performed at treatment plants or Los Vaqueros Watershed, pre-task plans must be communicated to the District Contract Administrator or Construction Inspector by phone, e-mail or text.
12. Written Procedures: Submit all pertinent written safety plans, programs, and information (written programs on Injury Illness Prevention Plan [IIPP], confined space entry, hot work, diving safety, fall protection, hazardous chemical line breaking, and/or respiratory protection) to the District Contract Administrator before the start of work at the Pre-Construction or Kick-Off meeting. Also submit a written plan for a “critical lift” before performing that lift. A critical lift is a crane lift of more than 75% of crane lift capacity.
13. Training: Submit all current safety certifications and licenses for asbestos work and mobile crane operations to the District Contract Administrator. Before starting work involving asbestos cement pipe, mobile crane and rigging operations, confined space entry, hazardous electrical systems (of 50 or more volts), plant machinery (lockout/tagout), hazardous chemicals, excavations, underwater diving, scaffold erection or the use of fall arrest systems, submit pertinent training records and written descriptions of qualifications to the District Contract Administrator for all staff expected to perform work. All employees and subcontractor employees working at or on District facilities must have received all safety training required by Cal-OSHA regulations. All safety training records must be available to the Contract Administrator upon request.
- a. Project managers, superintendents, foremen or other lead employees that conduct or supervise High Hazard Job Tasks, as defined above, at District project work sites must successfully complete CCWD Contractor Safety Orientation training, and provide proof of

completion to the District prior to commencement of any project activities. This training shall be fulfilled at the OSCA Training Center in Martinez, (1805 Arnold Dr., Martinez, CA 94553; phone (866) 699-2727).

14. Ensure availability of adequate shade and water for employees working outdoors at temperatures 80°F and above. At temperatures 95°F and above (i.e., high heat), observe all employees for alertness and signs of heat illness, and remind employees to drink water throughout the work shift.
  - a. High-heat and emergency response procedures must be documented in the employers Injury Illness Prevention Plan or maintained as a separate document. The Contract Administrator may request to review these procedures prior to or during work.
15. Construction debris shall be kept reasonably cleared from work areas, passageways, and stairs in and around buildings or other structures. Debris shall not be stored or piled in the path of egress. Debris waste must be stored in a waste container before removal. All waste shall be disposed of at intervals determined by the rate of accumulation and capacity of the job site container.
16. Ensure employees working outdoors have protection from wildfire smoke when the Air Quality Index (AQI) for PM2.5 is 151 or greater, and when it is anticipated that employees will be exposed to wildfire smoke.
  - a. Refer to AirNow.gov for local PM2.5 and wildfire smoke conditions.
  - b. Protective measures against exposure to wildfire smoke can include: relocating work to an indoor area with filtered air or an area with less smoke, reducing the time and intensity of work, and providing voluntary access to N95 masks.

## **SITE SAFETY AND SECURITY**

1. Close gates and entry doors that will be unattended to prevent unauthorized entries.
2. If a rattlesnake is found to obstruct your ability to safely perform your work, contact Contra Costa County Animal Services at 925-335-8300, Antioch Animal Services at 925-779-6989, or Los Vaqueros Watershed staff (when available) to have the snake safely removed from the worksite.
3. Follow posted speed limits. The speed limit at maintenance yards, plant roads, and parking lots is 10 MPH. At Los Vaqueros Watershed, the speed limit is 15 MPH for unpaved roads and 30 MPH for paved roads.
4. Contact Watershed supervisors at 925-240-2360 before driving on unpaved Watershed roads. Watershed supervisors determine when it is safe to drive and what vehicle types may be used during, or shortly after periods of rain.
5. When unaccompanied by District staff, contact District Operations Control at 925-688-8397 when entering and exiting remote District facilities (e.g., reservoirs and pump stations).

## **CONSTRUCTION AND MAINTENANCE WORK**

1. Follow Government Code 4216 (USA North's California Excavation Manual) to prevent potentially catastrophic accidents and damage to underground utilities.
2. Use hand tools to locate the exact location of underground utilities (hand dig or probe). While excavating laterally within 24" of the exterior surface of marked utilities or when all known utilities are not marked, probing or hand digging shall be required prior to mechanical excavation. In areas where buried power lines are suspected or within 24" of electric utility marks, use a non-conducting (fiberglass handle and shaft) probing tool to probe soil. Using a probe with a steel shaft and electrically-rated insulated handle to probe soil further away than 24" from electric utility marks or identified electric utility is permissible. Probes within 24" of these marks shall be constructed of a dielectric material.
3. Install adequate shoring, or bench or slope excavations that have either poor soil conditions or depths in excess of 5 feet prior to entry in the excavations.
4. Keep spoils or heavy equipment at least 2 feet from the edge of excavations to prevent them from falling or rolling into excavations.
5. Use grounded electric-powered tools and ground-fault circuit interrupters (GFCIs) during all construction and maintenance activities.
6. Set barricades, fencing or guard rails around open excavations deeper than 6 feet to prevent falls. Place fencing around or sturdy covers (e.g., road plates or 1 1/8" plywood) over unattended excavations.
7. For excavation work, arrange to have the atmospheric levels checked with an appropriate gas monitor, when there is a strong odor present, or other sign of a nearby release of sewage, fuel, natural gas or other hazardous chemical line.
8. Use a portable exhaust fan when welding, torch cutting, operating equipment with combustion engines, or using chemicals in enclosed spaces.
9. Evaluate the working clearance to overhead high voltage (greater than 600 V) power lines and adjust work practices to provide for adequate (greater than 10 foot) clearances.
10. Place rebar caps that provide impalement protection on all sharp vertical metal projections. Non-metal vertical projections (e.g. PVC pipe) should be evaluated for impalement risk and protected appropriately.
11. Where cranes are used to lift loads, the area beneath the load must be delineated using signs, cones, barricades, caution tape, or equivalent warning devices to keep people, vehicles and other equipment out of the area beneath the load's path of travel. Loads placed on sloped roofs must be secured to ensure there is no potential of the load falling off.

## **Asbestos Cement Pipe Work**

12. Only employees trained to work with asbestos cement (AC) pipe shall disturb, cut, or perform work AC pipe.
13. Only use manual-cutting tools (snap cutter, hammer or knife blade) to cut AC pipe. Use of other cutting tools must be first approved by the District. The use of powered tools to cut AC pipe is prohibited. Continuously wet the area of the pipe being cut with water and surfactant through the use of a sprayer to prevent asbestos fibers from becoming airborne. Wear appropriate respiratory protection as required. Smoking is prohibited when handling asbestos materials.
14. Before AC pipe work begins, place an asbestos danger sign at the excavation as required by CCR, Title 8, Sec. 1529.
15. AC pipe shall be either abandoned in place in the excavation or properly disposed of asbestos-containing materials according to Cal-EPA regulations. Before AC pipe is disposed, double-wrap the pipe in 6-mil polyethylene sheeting and seal with duct tape. Store waste pipe at a secure location. Attach an asbestos warning label to waste pipe as required by CCR, Title 8, Sec. 1529.

## **Silica Safety**

16. A silica exposure control plan must be established for work that could expose Contractor or District employees to respirable crystalline silica at greater than 25 micrograms per cubic meter of air (25  $\mu\text{g}/\text{m}^3$ ) as an 8-hour time-weighted average (TWA) under any foreseeable conditions. Copies of this plan may be requested by the Contract Administrator.
17. In addition to the exposure control plan, control methods for minimizing silica exposure must be developed and utilized at all times during the course of potential silica-exposing work. Copies of this control plan and verification of their effectiveness may be requested by the Contract Administrator.

## **Grounds Maintenance**

18. When feasible, keep at least 50 feet away from other workers operating push mowers or weed eaters to prevent being struck by flying objects.
19. Do not trim tree branches that are within 10 feet of live high voltage power lines.
20. Use a fall protection system when climbing trees.

## **Treatment Plant and Pumping Plant Areas**

21. Unless necessary for troubleshooting, avoid being in the immediate location of industrial equipment when the equipment is remotely started.



22. When opening hazardous material piping or tanks follow the CCWD Operations & Maintenance Standard Operating Procedure (O&M SOP) “Line Breaking Involving Dangerous Materials.” Wear self-contained breathing apparatus (SCBAs) when opening systems containing chlorine gas, ozone, or ammonia.
23. Always check atmospheric levels before entering a potentially hazardous atmosphere. Wear appropriate respiratory protection before entering a hazardous atmosphere. Continuously monitor the atmosphere.
24. Wear supplied air respiratory protection when applying urethane or other coatings inside confined spaces that may create a hazardous atmosphere.
25. Check Safety Data Sheets for hazardous chemical permissible exposure limits, especially when using the chemicals inside enclosed spaces.

### **Oxygen and Ozone Systems Maintenance**

26. Wear 100% cotton clothing to minimize the risk of sparks generated by static discharge from clothing.
27. Use spark-resistant tools when working on oxygen and ozone systems.
28. Confirm oxygen levels are in the safe range of 20.9% and 23.5% using a direct-read gas monitor before conducting hot work. Stop work and exit the work area if the direct-read gas monitor indicates oxygen levels outside of the safe range in the work area.
29. Use only intrinsically-safe ventilation equipment (exhaust and blower) prior to and during ozone line breaking activities. Wear self-contained breathing apparatus until ozone levels in the work area are confirmed to be below 0.1 ppm.

## **BOATING SAFETY**

1. Do not operate a boat unless properly trained in a course approved by the National Association of State Boating Law Administrators (NASBLA), the California Department of Boating and Waterways, the US Coast Guard Auxiliary, or US Power Squadrons.
2. Do not operate a boat in inclement weather except when needed to conduct a rescue. Boating at Los Vaqueros Reservoir is prohibited when sustained wind speed is above 16 miles per hour.
3. Each boat occupant must wear a US Coast Guard-approved personal flotation device (PFD). Each occupant must carry a whistle or horn to alert others in case of emergency.
4. Each boat must have the maximum carry capacity marked. Do not exceed the maximum occupancy or carrying capacity.
5. Each boat must have a means of communication (e.g., push-to-talk device or cell phone).
6. Each boat must carry a fire extinguisher and a US Coast Guard-approved throwable rescue device.
7. If the boat operator expects the boating activity to take longer than four hours, a written float plan must be prepared. The float plan must include the following information: names of personnel on board, activity to be performed, expected time of departure, route, time of return and means of communication.
8. A minimum of two trained persons launch or retrieve a boat from a boat ramp.
9. Ensure there is enough fuel and drinking water for the boating activity.
10. Stay seated while the boat is traveling.
11. Work over water at night requires a written pre-task plan.

# CONFINED SPACES

1. Before entering confined spaces:
  - a. Remove standing water to less than 3 inches in depth when possible;
  - b. Monitor the atmosphere with a calibrated gas monitor device with oxygen, carbon monoxide, hydrogen sulfide, and explosive atmosphere sensors. Where the potential for hazardous atmospheres of ammonia, chlorine, ozone, or volatile organic compounds exists, monitor the atmosphere with sensors that can detect those hazards, or use appropriate respiratory protection equipment during entry;
  - c. Use an appropriate ladder;
  - d. Where welding and cutting and/or spray coating activities occur or where other serious hazards exist as defined by the California Code of Regulations (CCR), Title 8, Sec. 5157, "Confined Spaces," a "permit" entry procedure is used. A permit procedure includes use of a Confined Space Permit checklist, use of a retrieval and fall protection system (unless the system poses a greater hazard), and attendant(s) or rescue personnel available on-site that are prepared to carry out a confined space rescue plan;
  - e. Use mechanical ventilation as needed; use exhaust ventilation to remove welding fumes during welding/cutting activities;
  - f. Eliminate chemical or drowning hazards using positive isolation methods as defined by CCR, Title 8, Sec. 5157 and Sec. 1953. If positive isolation to eliminate drowning hazards is not feasible, entry using a single point of isolation may be made only if a written failure analysis using engineering data indicates that risk of engulfment is adequately controlled by the use of the single isolation point;
  - g. Ensure that self-contained breathing apparatus (SCBAs) are available for rescue personnel where a potential for a hazardous atmosphere may exist; and
  - h. Where access to and from the space is horizontal, fall protection may not be required. However, entrants shall wear harnesses to help assist rescue personnel in retrieval.
  
2. All confined space entrants, attendants and entry supervisors must be trained on the hazards of confined spaces and safe entry procedures, as well as lockout/tagout procedures when used. Confined space rescue personnel must have participated in a confined space rescue drill within the last 12 months, and be certified in cardiopulmonary resuscitation and first aid.

## DIVING OPERATIONS

Follow these safety procedures during all underwater diving operations:

1. Before diving operations commence, submit a written diving safety manual and dive plan to the Contract Administrator.
2. The diving safety manual shall describe safety, equipment and other operating procedures as well as emergency procedures covering evacuation and medical treatment.
3. The dive plan shall include information for the specific task including identified hazards, team assignments, emergency procedures, a list of nearby medical facilities including recompression chambers, breathing gas supply equipment, and thermal protection and other equipment planned for use.
4. When a diver is submerged without being line-tended from the surface, a stand-by diver or a second diver shall be available to assist in an emergency. Effective communication with the submerged diver such as radio communication shall be in place at all times.

## DRIVING SAFETY

1. When driving on District property, a valid driver's license for the type of vehicle being driven, vehicle registration form, and proof of vehicle insurance is required.
2. Ensure that driver and passengers have safety belts fastened while driving at all times. Obey all laws and rules of the road, including speed limits, traffic signals and signs.
3. Park all vehicles in compliance with the California Vehicle Code and local ordinances. Follow the [\*California Manual on Uniform Traffic Control Devices\*](#) whenever work is performed in and adjacent to vehicle traffic.
4. Determine loading restrictions on reservoir roofs prior to driving vehicles or placing other loads on the roof. Do not overload roofs.
5. Before driving heavy equipment or trucks on steeply sloped unpaved paths, inspect the paths with either a light vehicle or on foot. Determine and mark soft areas, sharp turns, slopes and other hazards.
6. When departing vehicles, set all brakes. Turn off the engine (unless required to power auxiliary equipment). At sloped areas, place a wheel chock on the downhill side of one of the drive wheels or curb wheels. Where possible, park the vehicle's wheels perpendicular to the slope's direction.

# ELECTRICAL SAFETY

1. Only qualified electricians shall work on electrical conductors, equipment or systems of 480 V or more. Qualified electricians have a minimum of two years of training and experience with high voltage circuits and equipment and have demonstrated by performance familiarity with the work to be performed and the hazards involved.
  - a. **Documentation of electrician experience must be submitted to the District Contract Administrator prior to the start of work.**

Under the supervision or instruction of a qualified electrician, trained persons familiar with the electrical operation to be performed and the electrical hazards involved are permitted to work on electrical equipment or systems of less than 480 V (including throwing switches and using voltage testers to verify proper lockout). No electrical work shall be performed by untrained persons that do not have the demonstrated skills or knowledge in the construction and operation of electric equipment and installations and the hazards involved.
2. Check equipment, cords and attachments before each use to ensure they are safe to use and operate. Remove damaged electrical equipment from service.
3. Use energy control procedures to ensure that power is completely off during maintenance and repairs of hard-wired equipment. Physically lock all isolation devices with a lockout device. Confirm de-energization before handling non-insulated wiring. The exception to this rule is electrical troubleshooting.
4. Stay clear of energized parts whenever possible. If you must work with or near energized parts with voltages exceeding 50 Volts (i.e., electrical troubleshooting):
  - a. Use personal protective equipment such as rated flame retardant clothing, rubber insulating gloves, sleeves, hard hats, blankets, mats and nonconducting tools.
  - b. Avoid wearing metallic jewelry including watches.
  - c. Follow arc flash label requirements to keep safe distances from electrical equipment. Wear appropriate PPE if closer than the safe distance from live electrical parts. Where arc flash labels do not exist, stay at least 10 feet away from where live low voltage (480 V and less) electrical work is being conducted unless you are wearing the appropriate personal protective equipment. Stay outside of the motor control center area (building or room) where live high voltage (more than 480 V) electrical work is being conducted unless you are wearing the appropriate personal protective equipment. Use barricade tape or signs to warn unprotected persons to keep away from the live electrical work area.
  - d. Do not use two hands when handling energized parts.
5. Do not work on energized electrical equipment when wet, including heating tape on equipment.
6. Re-install equipment guards that protect electrical equipment after work is completed.

7. Keep electrical panel doors on and closed. Keep access to electrical panels clear with at least a 36” clearance. Do not use motor control center rooms as storage areas.
8. Use equipment designed for use in damp environments when exposed to such environments. All electrical equipment in these areas must be grounded.
9. Use ground fault circuit interrupters (GFCIs) when using electrically powered tools and equipment during construction and maintenance activities.
10. Only persons who are trained shall access electrical panels and equipment. Before accessing electrical panels, take safe and appropriate actions to check the panel enclosure for hazardous voltage prior to opening.

# FALL PROTECTION

1. Install temporary standard 42” guard rails or fencing whenever feasible to provide protection from falls over 6 feet.  
  
Set barricades, fencing, or guard rails around open excavations with depths in excess of 6 feet to prevent falls into the excavation.
2. Wear proper fall protection equipment (harness with a fall arrest or fall restraint device tied to an anchor point) when working within 6 feet of the leading edge of unprotected work surfaces more than 6 feet in elevation or unprotected sloped work surfaces greater than 40 degrees and more than 6 feet in elevation.
3. For work on sloped roofs greater than 30 degrees (7:12 slope) and more than 6 feet in elevation, use fall protection equipment secured to a suitable anchor point. Install anchor points as needed.
4. For work on flat roofs or roofs less than 30 degrees in slope and more than 6 feet in elevation:
  - a. When possible, keep 6 feet from leading edges;
  - b. When working within 6 feet of a leading edge and work is expected to be of long duration (more than a week), install temporary guard rails; when work is of short duration (less than a week) wear proper fall protection equipment to work within 6 feet of the edge.
5. Do not use fall protection equipment unless properly trained. Inspect fall protection equipment before use.
6. Anchor points must be capable of supporting 5000 lbs. per attached worker. Do not attach fall protection equipment to guard rails. When practical, secure the anchor end of the fall arrest device at a level not lower than your waist.
7. A fall arrest device can be a shock-absorbing lanyard or a self-retracting lifeline. Lifelines shall be protected against damage.
8. When the use of guard rails or other conventional fall protection is impractical or creates a greater hazard, submit a written fall protection plan that complies with CCR, Title 8, Section 1671.1 to the District Contract Administrator before the start of work.
9. Scaffolds are erected and inspected only by trained competent persons. Inspect the scaffold before use. Stay clear of electrical lines and other equipment. Scaffolds must be level and be set up on firm and solid foundations. Scaffolding over 6 feet must have guard rails and toe-boards on open sides and ends. Scaffolds must not exceed its load capacity. Do not climb on scaffold cross bracing. Do not carry materials when climbing. Riding on rolling scaffolds is prohibited. All wheels’ safety locks and pins must be in place when a person is on the scaffold. Place barricades or cones around the area beneath the scaffold to warn passersby of possible falling objects.

# FIRE SAFETY

1. Ensure good housekeeping is maintained, keeping work areas clean and free of debris.
2. Store flammable materials in approved safety cans and/or cabinets. Keep large amounts (more than 10 gallons of flammable liquid) in a flammable liquids cabinet.
  - a. Keep smoking, flames/sparks, and other ignition sources at least 35 feet away from areas where flammable fuel is dispensed.
  - b. To prevent the buildup of static electricity and prevent sparks from causing a fire, bond dispensing and receiving containers together before dispensing flammable liquid. Additionally, ensure the dispensing container is grounded.
  - c. Report all fires.
3. Operate and maintain all electrical circuits so they do not become overloaded.
4. Keep fire exits and escape routes clear.
5. Know the evacuation routes from your work area.
6. Know where alarm boxes are located.
7. Maintain a fire watch when open flames, sparks, or smoke are present. Keep a fire extinguisher available when welding/cutting/brazing, grinding or conducting other hot work.

Wildfire Prevention: Maintain a fire watch for at least 30 minutes after hot work or weed abatement activities are completed at areas with a high wildfire risk. A fire pump-equipped pickup truck or water truck must be in operation for fire watch duty. At wildfire-prone areas, and when temperatures exceed 80 degrees Fahrenheit, relative humidity is below 30% and sustained winds exceed 10 miles per hour, contact CAL FIRE in Morgan Hill (408) 779-2121 for permission to conduct hot work. Hot work at the Los Vaqueros Watershed must be approved by the District's Watershed management.

Structural Fire Prevention: Obtain a hot work permit from the District Contract Administrator before performing hot work at CCWD facilities. At CCWD facilities (office buildings/areas, pump stations/plants, and treatment plants), maintain a fire watch for 30 minutes after hot work is completed under a permit.

Employees performing welding activities and fire watch duties shall wear 100% cotton clothing or flame-resistant clothing, and have completed fire suppression training within the last 12 months.

(See also Welding, Cutting and Other Hot Work section for related requirements).



## **HEAT ILLNESS PREVENTION**

1. Water must be located as close as practicable to the areas where employees are working at all times.
2. Employees are encouraged to take a preventative cool-down rest in the shade when they feel the need to do so to protect themselves from overheating or experiencing heat illness.
3. Shade shall be present when the temperature exceeds 80 degrees Fahrenheit. Shade should be less than a 5-minute walk from the work area.
4. Employees shall be closely monitored during a heat wave (any day in which the predicted high temperature for the day will be at least 80 degrees Fahrenheit and at least ten degrees higher than the average high daily temperature in the preceding five days), especially if they have been away from the heat for a week or more or are newly assigned to a high-heat area. Newly assigned employees shall be monitored for 14 days.
5. High heat procedures shall be implemented when the temperature equals or exceeds 95 degrees Fahrenheit. This includes:
  - a. Daily heat alerts to employees
  - b. Ensuring effective communication between employees and supervisors
  - c. Observing/checking with employees for alertness and signs/symptoms of heat illness.
  - d. When forecasted temperatures exceed 105 degrees Fahrenheit, supervisors must schedule strenuous work activities during cooler times of the day, except for emergency job tasks that are necessary to be completed to avoid major service disruptions or impacts to public safety.

## HIGH HAZARD JOB TASKS

Pre-task plans and tailgate meetings are required to be conducted just prior to all high hazard job tasks, in accordance with O&M SOP High Hazard Work. Completed High Hazard Work Plans shall be submitted to the Manager of Health & Safety. High Hazard job tasks include:

<b>High Hazard Task</b>	<b>Work Planning Form Required</b>
Permit-required confined space entry	Confined space permit
Maintenance tasks requiring lockout/tagout	Energy Control Procedure (ECP)
Line breaking tasks – Opening of equipment that may carry flammable, corrosive, or toxic material, or an inert gas or any fluid, including water, at a volume, pressure, or temperature capable of causing serious injury	High hazard work plan
Neutralizing large amounts of spilled corrosive substances at plant process areas	High hazard work plan
Work requiring the use of cartridge respirators or self-contained breathing apparatus	High hazard work plan or SCBA form
Use of mobile cranes with persons (other than the crane operator) on foot and in the immediate area of operation	High hazard work plan
High-voltage electrical work above 480 Volts or work on exposed live parts of low voltage (50 - 480)	High hazard work plan, or energized electrical permit
Work using a personal fall arrest system	High hazard work plan
Excavating with heavy equipment or working in an excavation deeper than 4 feet	Excavation pre-task plan
Work in public roadways with the speed limits of 30 MPH or more and when traffic control measures are needed for a time period of more than 15 minutes	Excavation pre-task plan, or high hazard work plan
Scaffold erection	High hazard work plan
Hot work (welding, cutting, or grinding outside of maintenance shops)	Hot work permit
Chainsaw operations to remove a branch or tree greater than 8 inches in diameter	High hazard work plan, or tree removal form
Work over water at night	High hazard work plan
Any other job task determined as highly hazardous by the lead person or the supervisor in charge	High hazard work plan

1. The tailgate meeting must cover hazards expected throughout the job task, measures to protect against those hazards, and emergency response planning.
2. Use available safety checklists for the job task (e.g., confined space entry permit), and complete during the meeting.
3. All employees involved in the high hazard job task must attend the meeting. Meeting information must be documented. See the table above for the appropriate form for documentation.
4. Before working on high hazard activities that are non-routine and not covered under an existing SOP, complete a High Hazard Work Plan as per the O&M SOP. The High Hazard Work Plan must be approved by a supervisor and the Manager of Health & Safety.
5. Staff shall delineate the work zone using cones, barricades, caution tape, or equivalent warning devices.

# LADDER SAFETY

1. Select the right ladder for the job.
  - a. The ladder shall be tall enough so that you can safely reach the required objects and must be on solid footing on the ground or a solid foundation. Do not put the ladder on some other object to reach the required height.
  - b. The ladder shall be made of a material that is appropriate for the work to be performed. Do not use metal (electrically conductive) ladders when working around or with electrical equipment.
2. Use ladders for only their intended purpose, i.e., climbing up and down.
3. Always face the ladder when ascending or descending, holding on with both hands.
4. Step Ladders
  - a. Make sure the spreaders are locked open before climbing.
  - b. Do not climb above second rung from the top.
5. Straight/Extension Ladders
  - a. Ensure that the ladder extends at least 3 feet above the elevated surface to which you are climbing.
  - b. Secure the ladder at the top to hold it in place. Have a second person hold the ladder in place when ascending or descending until the ladder is secured. The person climbing the ladder and the person holding the ladder shall wear hard hats when an overhead hazard is present.
  - c. Keep at or below the third rung from the top on a straight ladder.
6. Fixed Ladders - Use a ladder climbing safety device (LAD-SAF®) when climbing fixed tank ladders that have the device installed.

# LOCKOUT, BLOCKOUT AND TAGOUT

Follow the District's Energy Control Procedures, which include these lockout, blockout and tagout procedures during all confined space entries and all construction and maintenance activities on machinery or equipment where a hazardous release of energy is possible including electrical, mechanical, chemical, hydraulic, pneumatic and potential.

1. Notify all affected personnel (including operators of machinery, equipment and facilities) during a hazard analysis tailgate meeting before the activity.
2. Follow the District's Energy Control Procedures (ECP) for the specific District equipment/systems. Coordinate with District staff to identify all hazardous energy sources, their energy isolation devices (e.g., circuit breakers, valves, etc.), control circuit-type devices (e.g., push buttons, selector switches, etc.), block-out points, drain/bleed points and energy indicator devices (e.g., gauges, panel lights). Review and suggest changes to ECPs where needed to ensure proper lockout, blockout and tagout prior to work.
3. Shut down. All operating controls shall be turned off or returned to the neutral position (depress stop button, open switch, close valve, etc.). Deactivate the energy isolation device so that the machine or equipment is isolated from the energy source. Disable motor-operated valves.
4. Lock out. A locking device shall be placed on each energy-isolating device or project lock box to isolate each energy source. Each employee who could be potentially injured by unexpected energy release shall place their own uniquely keyed lock and tag at each isolation point, or at the lock box.
5. Tag out. Do not use tags alone on energy isolation points unless the isolation point is not lockable. The tag must be attached using a zip tie (or equivalent) and have the following information: name, "Danger – Do Not Operate" (or equivalent wording), date, and contact information.

Machines or equipment not equipped with lockable controls shall be disconnected from their sources of power to prevent inadvertent movement or release of hazardous energy. Tag equipment controls. Implement additional safety measures such as the removal of an isolating circuit element, blocking of a controlling switch, opening of an extra disconnecting device, or the removal of a valve handle to reduce the risk of inadvertent energization.

6. Drain, bleed, and purge any stored energy. Coordinate with District staff to ensure stored or residual energy (such as capacitors, springs, elevated machine members, rotating flywheels, hydraulic systems, pressurized air, gas or water systems, chemicals, etc.) are dissipated by methods like grounding, bleeding down, flushing, etc. If necessary, moveable parts shall be mechanically blocked to prevent inadvertent movement.

Prior to opening a chemical system, depressurize and drain as completely as possible, thoroughly wash, flush, purge and vent (if safe). Some toxic gases may not be safely vented. For more specific guidance, follow the District's O&M Line Breaking Procedure, which requires use of SCBAs when opening aqueous ammonia, ozone or chlorine systems.

7. Verify lockout. First, check that no personnel are exposed, then test and verify isolation of equipment by operating the push buttons, switches or other normal operating controls to make certain the equipment is not energized (voltage tester). Visually inspect to ensure the equipment will not otherwise operate. Return operating controls to neutral or “off” position after verification.
8. Exceptions to the lockout and tagout procedures must be approved by the District and may include the following: electrical troubleshooting performed by qualified electricians and hot tapping of water pipelines.

## WORK AT LOS VAQUEROS WATERSHED

1. All contractors, consultants, and CCWD employees must sign-in and sign-out when entering and leaving the Los Vaqueros Watershed or its associated Conservation Properties for safety and security. Sign-in and sign-out will be done at the Watershed Office (100 Walnut Boulevard, Brentwood), or by phone (925-240-2360).
2. Keys for gate access and vehicle tags must be picked up at and returned to the Watershed Office. Vehicle tags must be displayed for identification. Travel only on routes approved by Watershed Resources Staff. Return gates and locks to the configuration they were found.
3. All work outside of normal business hours must be coordinated with Watershed Resources Staff.
4. All work conducted at the Los Vaqueros Watershed and its associated Conservation Properties must be done in accordance with the Los Vaqueros Watershed Programmatic Biological Opinion and its associated permits, unless otherwise noted.
5. All contractors, consultants, and CCWD employees must receive a Sensitive Species Training prior to conducting work at the Los Vaqueros Watershed and its associated Conservation Properties. Depending on the type of work to be conducted, a biological construction monitor may be required.
6. Be advised, rain events stop most types of work and travel throughout the Los Vaqueros Watershed and its associated Conservation Properties from occurring. If a rain event occurs or is predicted to occur, consult with Watershed Resources Staff.
7. Wildfire safety: All contractors, consultants, and CCWD employees are required to follow the Cal Fire Operational Guide for Use of Equipment in Grass, Brush or Forest Covered Areas:
  - a. Do not drive, park, or idle over dry grass or brush.
  - b. All equipment must be inspected for defects and include a spark arrestor.
  - c. Each piece of equipment will carry the following tools: 1 (one) round point shovel not less than 46 inches long, and 1 (one) 5-gallon water-type fire extinguisher.
  - d. Mowing operations should be completed by 10 AM.
  - e. No operations shall occur within 24 hours of a predicted Red Flag event as determined by the National Weather Service.
  - f. Prior to commencement of any operations, a weather sampling will be conducted at the site. Additional weather sampling will be conducted every 2 hours thereafter until completion of the operation. If the ambient temperature reaches 80 degrees Fahrenheit at any time during the operation, weather samplings must be taken hourly. In the event the following readings are noted, OPERATIONS WILL CEASE IMMEDIATELY: The relative humidity is at or below 30%, or sustained wind speeds reach 10 MPH or higher.

# PERSONAL PROTECTIVE EQUIPMENT

## Head

1. Hard hats are to be worn at all times when any of the following conditions are present:
  - a. At work sites where construction and maintenance activities are conducted.
  - b. When working on a public street, or walking on paths for construction vehicle traffic.
  - c. When climbing ladders.
  - d. Vertically entering/exiting confined spaces.
  - e. At treatment plant process areas.
  - f. At pump stations/plants.
2. When possible, wear hard hats for sun protection.
3. Delineate the work zone requiring hard hats using signs, cones, barricades, caution tape, or equivalent warning devices.
4. Hard hats need not be worn in office environments with no overhead hazards.

## Eye/Face

1. Wear the appropriate eye and face protection when you are engaged in metalworking activities, welding and cutting, using powered tools or otherwise exposed to flying particles/objects, injurious light rays, liquid chemicals, or hazardous gases.
2. Eye/face protection is required to be worn at treatment plants (except offices), pump stations/plants, laboratories, maintenance shops, and all areas where there are unshielded pressurized hazardous chemical lines or when hazardous chemicals are being used.
3. Full-face splash shields with safety glasses worn underneath, chemical splash goggles, or full-face respirators are required to be worn in the immediate areas (within 6 feet or inside secondary containment areas) where corrosive chemicals are off-loaded, handled, or leaking from process lines, or where corrosive chemical line breaking activities are conducted.
4. Eye/face protection is required in the immediate areas where construction and maintenance activities are being performed.

## Hand and Arm

Wear appropriate protective gloves when you may be exposed to abrasions, hazardous substances, burns, cuts, punctures, live electricity, or other hazards. When welding, wear protective leather gauntlet gloves

or leather gloves and sleeves. Appropriate chemical resistant nitrile, latex or rubber gloves, and chemical resistant coveralls must be worn when approaching connected bulk chemical delivery hoses.

## **Foot**

Wear safety shoes/boots that comply with ASTM F2413-05 M I/75 C/75 Standard when exposed to the risk of foot injuries from hot material, corrosive substances, falling objects, and crushing or penetrating activities.

## **Body and Leg**

1. Wear chemical-resistant suits, coveralls or aprons, when working with bulk chemicals or performing line-breaking operations where chemical exposure to the torso is possible.
2. Wear approved personal floatation devices (PFDs) to control drowning hazards when inside the canal liner fence, near or over areas where water depths may exceed 4 feet, or in areas where indicated by posted signs.

PFDs do not need to be worn when other protective measures are in place, such as:

- a. Keeping a horizontal distance of more than 6 feet from the drowning hazard.
  - b. Using fall prevention equipment system (anchor point, harness and connection device) that effectively prevents a fall into the water.
  - c. Working behind a proper guardrail or equivalent barrier that is at least 42 inches high.
3. When exposed to traffic, all employees must wear high visibility shirt or vest rated at least Class 2 by ANSI/ISEA 107-2015. During hours of darkness and/or on roads with a speed limit of 45 MPH or above, wear shirts or jackets with rated Class 3 by ANSI/ISEA 107-2015. Wear flame-resistant (FR) high visibility apparel for hot work activities on roads.
  4. Wear long pants on all construction project sites. Synthetic fabrics shall not be worn during hot work (welding, cutting) and fire watch activities.
  5. Wear leg protection (chaps) when operating chainsaws (excluding pole saws or when climbing trees).
  6. Wear leg protection (snake chaps) when working in snake-prone areas.

## **Hearing**

Wear hearing protection when near the operation of the following equipment: pneumatic tools, concrete saws, mowers, weed eaters, leaf blowers, chainsaws, pavement router, cement grinders, welding/cutting equipment, as well as other equipment where one must shout to be heard.



# POWERED TOOLS AND EQUIPMENT

All employees shall follow these power tool/equipment safety rules:

1. Use manufacturer-recommended safety devices, guards, and shields on powered equipment.
2. Do not disengage safety devices and guards unless equipment is disabled so that it cannot unexpectedly energize. Exception: A chainsaw's bar nose guard may be removed for certain situations as allowed by the manufacturer's instruction manual.
3. For non-cord and plug-type equipment: isolate, lock and tag out hazardous energy sources (electrical disconnects and valves) before performing service and maintenance. (See Lock and Tag section).
4. Effectively ground all cord-connected, electrically powered tools and equipment, or use double-insulated type tools.
5. Use grounded electric-powered tools and ground-fault circuit interrupters (GFCIs) during all construction and maintenance activities.
6. Use a fall arrest system (lanyard and harness) when using an aerial boom lift.
7. Secure all compressed gas cylinders during transport, use, or storage to prevent them from toppling over. Place valve protection devices on all stored cylinders.
8. Grinders:
  - a. Inspect grinding wheels for cracks or damage before use. Ensure guards are in place. For bench/floor grinders, ensure that the tongue guard is within 1/4" of the wheel, and the tool rest is within 1/8" of the wheel.
  - b. Before using a new grinding wheel, make sure the manufacturer's recommended speed, as posted on the wheel, is compatible with your grinder. Perform a "ring" test to ensure the integrity of the wheel.
  - c. Don't stand directly in front of a grinding wheel whenever a grinder is started.
  - d. Don't grind material for which the wheel is not designed.
  - e. Don't force grinding so that motor slows noticeably.
9. Use water other appropriate controls to prevent silica dust from becoming airborne when generating dust from concert, stone, or other silica-containing material. This includes sawing, demoing, crushing, etc.

# SOLITARY WORK

Contractors shall not work alone under the following work conditions:

1. Chemicals / Hazardous Materials:
  - a. Line breaking activities at treatment plants involving toxic or corrosive substances
  - b. Work with open batteries (splash hazard)
2. Confined Space: Permit-required confined space entries
3. Electrical: High-voltage (> 480 Volts) electrical work
4. Equipment and Tools:
  - a. Operation of lattice or boom truck crane
  - b. Chainsaw operation used for tree work
5. Excavation / Street Work:
  - a. Work in excavations more than 4 feet deep
  - b. Excavation work when flagging is required (minimum of 4 persons)
  - c. Work in public roadways with speed limits of 30 MPH or more and when traffic control measures are needed for an anticipated time period of more than 15 minutes
6. Fall Protection:
  - a. Use of personal fall arrest system (not including ladder climbing devices, e.g. Lad-Saf)
  - b. Work using an extension ladder when the ladder is not secured
7. Respiratory Protection: Potentially hazardous atmospheres where self-contained breathing apparatus is required (a minimum of four persons required)
8. Water / Drowning:
  - a. Repair of the canal liner fence, or other work occurring on the inside of the liner fence
  - b. Work during hours of darkness near or over water (when personal floatation devices are required)
  - c. When launching or retrieving a boat from a boat ramp
9. Welding: Hot work occurring outside of a maintenance shop (fire watch needed when welding, cutting, or grinding outside of maintenance shop)
10. Workplace Violence: Threat received regarding customer turn-off or any other threat
11. Work at the following facilities and locations, regardless of the type of work:
  - a. Mallard Pump Station (PS) – Hourly safety checks shall be conducted by Control
  - b. Los Medanos Wasteway
  - c. Canal laterals
12. Other work tasks or work locations may also be determined to require two people by the supervisor, superintendent, manager, or Manager of Health & Safety on a case-by-case basis.

## **WELDING, CUTTING AND OTHER HOT WORK**

1. Maintain a fire watch when open flames, sparks, or smoke are present. Keep a fire extinguisher available when welding/cutting, grinding or conducting other hot work.
2. High Wildfire Risk Areas: If grinding or welding near dry (cured) vegetation, always wet down the vegetation at least 35 feet around and 75 feet downwind of the work site. Do not mow, weed-eat, or grind or weld near dry vegetation within 24 hours of a red flag day, or when temperatures exceed 80 degrees Fahrenheit, sustained wind speeds exceed 10 MPH and humidity is less than 30%. Check the National Weather Service on-line, evaluate weather with a “Kestrel” or contact a supervisor prior to hot work. Hot work at Los Vaqueros Watershed must be approved by the Watershed Superintendent. An employee on fire watch should have on hand: a shovel, and at least 5 gallons of water to spray as extinguishing agent.
3. Obtain a hot work permit before performing hot work outside of maintenance shops at District facilities (office buildings/areas, pump stations/plants, and treatment plants).
4. Maintain a fire watch for 30 minutes after hot work is completed under a permit.
5. Employees performing welding activities and fire watch duties shall wear 100% cotton clothing or flame-resistant clothing and have received fire extinguisher or fire suppression training within the last 12 months.
6. Before attaching a regulator to a cylinder, “crack” the cylinder valve (open the valve for an instant to blow dust or dirt out). Do not stand in front of valves when opening them.  
  
Stand to one side of the regulator and very slowly open the cylinder valve on the oxygen all the way. Open the acetylene valve no more than  $\frac{3}{4}$  of a turn. Take the T-wrench out of the cylinder and keep it close at hand. Tops of cylinders must be unobstructed at all times so valves may be quickly closed.
7. Use exhaust ventilation when welding or cutting in enclosed spaces. Use a gas monitor to confirm safe atmospheres. Do not place cylinders into confined spaces.
8. To prevent fires from flames, sparks and molten metal, remove combustible materials at least 35 feet around the work area. Cylinders shall be kept far enough away from hot work so that sparks, slag or flame will not reach them. Use fire-resistant shields (plywood) as needed.
9. Close all valves on cylinders when storing and/or transporting in vehicles. For long-term storage in buildings, close all valves, remove regulators and secure valve caps. Before a regulator is removed, close the cylinder valve and release the gas from the regulator.
10. Cylinders shall be used, stored or transported in an upright and secured so they cannot fall over and/or fall out of the truck. Valves of empty cylinders shall be closed, and cylinders marked “Empty” and properly stored.
11. Cylinders shall never be transported by a forklift unless in a secured and approved transportation apparatus.
12. Separate acetylene and oxygen cylinders stored in buildings by 20 feet or a 2-hour fire wall.
13. Shield welding work from others to prevent eye damage.

## COVID-19 / CORONAVIRUS

As a new virus, Coronavirus, also known as COVID-19, response and precautions have been rapidly changing. Below are some general guidelines that were true when this handbook was published in Spring of 2021. Please look to your District contact for up to date information as some of this below may have changed.

1. Follow all applicable federal, state, local and CCWD guidelines regarding COVID-19.
  - a. Effective December 1, 2021, this includes CCWD's COVID-19 Contractor/Vendor COVID-19 Vaccination and Testing Policy, which requires all contractors or vendors coming on-site and interacting with CCWD staff for more than 15 minutes to either be vaccinated against COVID-19 or participate in a weekly testing program. See the full policy for a list of requirements and exemptions.
2. Implement a written COVID-19 Prevention Program per CCR, Title 8, Sec. 3205.
3. Complete a daily self-assessment of potential COVID-19 symptoms and exposure prior to arriving at a District facility or jobsite when planning to be onsite for 15 minutes or longer. Confirmation of the self-assessment will be sent daily to the visitor's District contact.
4. Stay home if you are sick.
5. Practice good hand hygiene. Wash your hands frequently for at least 20 seconds each time (or use hand sanitizer).
6. Maintain at least six feet of separation from other people who are not in your household.
7. Avoid touching shared surfaces. If touching is necessary, clean surfaces before and after use.
8. Wear a face covering when within six feet of others, when interacting with the public regardless of distance, or when in a shared space regardless if anyone else is present at the time.
9. Cough or sneeze into a tissue or your sleeve (not into your hands).
10. Conduct safety meetings by phone or virtually if possible.
11. Limit access to facilities, job site and/or work trailers to only those necessary for the work.
12. Upon discovery, immediately disclose to the District any contractor/subcontractor personnel who have tested positive for COVID-19 that have visited a District construction site or facility.
13. If requested, immediately provide any information that could inform the District's contact tracing.

# Contractor/Vendor Safety Requirements – COVID-19 Vaccination and Testing Policy

### General

- A. All contractors, including all tiers of subcontractors, defined in this policy to also include consultants, suppliers, and vendors (Contractor), who hold contracts with Contra Costa Water District (District) and who perform work at District facilities or on District jobsites, shall incorporate the requirements of this document into their operations.
- B. These requirements shall be included in any contractually required site-specific health and safety plans for work at District jobsites. The Contractor shall submit their site-specific health and safety plan, showing compliance with the requirements of this document, to the District.
- C. Even if a formal site-specific health and safety plan is not required under the terms of the contract the contractor shall designate a Site Safety Representative (SSR) for the project to monitor and implement all recommended safety practices regarding any threat to public health with all Contractor staff members. In the case of a sole proprietor that is working for the District directly, the owner/operator shall serve as the SSR for their part of the work.

### Exceptions

- A. Vendors or suppliers making deliveries to District facilities or jobsites where no contact or only incidental contact (less than 15 minutes) is made with other people are exempt from the vaccination and testing requirements but shall wear a face covering and maintain social distancing protocols at all times.
- B. Contractors that are performing work in the public right-of-way, at unmanned District facilities or watershed lands, where no District staff are present, are exempt from these requirements.
- C. Vendors or suppliers where District staff are visiting the vendor's facility to drop-off or pick-up material are exempt from these requirements
- D. Contractors hired on an emergency basis that must mobilize quickly, shall certify that they comply with the requirements in this Policy before starting work.
  - a. If this is not practical due to the emergency nature of the work, the contractor can come to the jobsite in appropriate COVID-19-related PPE, only with advance written approval by the District.
  - b. At the earliest time possible, but no later than three business days after the start of work, the Contractor shall certify that they are in compliance with the requirements in this Policy.
- E. City inspectors, regulatory staff, or other regulating agencies with no contractual relationship with the District are exempt from these requirements. All other COVID-19 on-site protocols are required to be followed.

# Contractor/Vendor Safety Requirements – COVID-19 Vaccination and Testing Policy

### Effective December 13, 2021

- A. Contractors shall require all of their jobsite personnel to either
  1. Be Fully Vaccinated against COVID-19, or
  2. Submit to regular weekly COVID-19 testing at the Contractors' expense until Fully Vaccinated

### Vaccination

- A. Vaccination status tracking: Contractors, and all tiers of subcontractors, shall implement a process to confirm, track, and certify (if requested) its employees' vaccination or declination of vaccination status.
- B. Contractor site safety representative shall be responsible for assuring compliance with these vaccination requirements. They shall also ensure that all Contractor personnel complete daily symptoms checks, even if fully vaccinated.
- C. Fully vaccinated persons are those who are  $\geq 14$  days post-completion of the primary series of an FDA-authorized COVID-19 vaccine (e.g. more than 14 days after the second shot of a two-shot series such as Comirnaty/Pfizer-BioNTech, Spikevax/Moderna, or after the first shot of a one-shot series such as Jassen COVID-19/Johnson and Johnson).
  - a. In the event that additional vaccination boosters are required, the District will issue clarifications to these requirements.

### Weekly Testing

- A. The Contractor shall test unvaccinated jobsite personnel through FDA-approved methods for detecting the virus at the Contractor's expense.
  - a. These tests shall be performed no more than three days immediately prior to the personnel's first day onsite and every week thereafter.
  - b. The Contractor's site safety representative shall provide daily compliance checking of the program.
- B. Contractors may provide on-site rapid antigen testing for transitory personnel who have not been vaccinated and could not schedule a test ahead of time and who will be on site for fewer than three days.
- C. Testing status tracking: Contractors and all tiers of subcontractors shall implement a process to confirm, track, and certify (if requested) its employees' testing status.
- D. Contractor's site safety representative shall verify that all personnel on site that are not fully vaccinated are COVID-negative and have been tested weekly. They shall also ensure that all Contractor personnel complete daily symptom checks.
- E. Proof of compliance with testing requirements will be provided to District representatives, as requested by the District.

**CONTRA COSTA WATER DISTRICT  
CONTRACTOR/CONSULTANT  
SAFE PRACTICES HANDBOOK**

***Fiscal Year 2022***

*Sign and return this page to the Contract Administrator*

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I have read and understood the Contractor/Consultant Safe Practices Handbook and I understand it is my responsibility to ensure that every employee from my company and each employee of subcontractors and sub-consultants working at or on Contra Costa Water District facilities has been briefed on the requirements contained in this handbook and has received a copy of the handbook.

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
Position

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

*Updated November 16, 2021*