

# Outsource UCC Hazard Assessment and Safety Plan

Environmental  
Health &  
Safety

Version 1  
February 14, 2020

*Outsource UCC sets safety, hazard awareness and mitigation as the highest priorities for our workforce. These are key in eliminating all serious injuries and fatalities. Outsource will utilize this Hazard Assessment and Safety Plan as a tool for our Representatives to collaborate with contract leadership to ensure there is alignment and understanding before any Safety Tier 1 work begins.*

*The Plan must identify relevant safety programs, procedures, mitigation measures, and approaches put in place to address potential hazards in the work performed pursuant to the completion of the Scope of Work.*

*The Plan shall be updated as needed (e.g., when any component changes or when additional hazard mitigations are required) but at a minimum it shall be reviewed and updated (and dated/signed) annually. The most current Plan shall be uploaded in the Third-Party Administrator (TPA).*

SECTION 1: GENERAL INFORMATION					
Project Name:		PG&E		Utility Representative:	
Purchase Order #:				Project Location:	
Source Work? (Y/N)					
Anticipated Start Date:	3/1/2021	Anticipated Completion Date:	3/1/2022	Contractor Company:	Outsource Utility Construction Corp.
Contractor Representative			Contractor's Safety Professional		
Name:	Matt Bates		Name:	Jack Crabbs	
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# Outsource UCC Hazard Assessment and Safety Plan

Environmental  
Health &  
Safety

Version 1  
February 14, 2020

## SECTION 2: SCOPE OF WORK AND PROJECT SCHEDULE

Briefly describe key elements/objectives of the work/project and planned schedule.

### DETAILED DESCRIPTION/SCOPE OF WORK

This Work may include, but shall not be limited to, the following:

Electrical Line Construction includes overhead and underground electrical construction work for all voltages up to and including 33kV, including but not limited to, construction coordination, maintenance activities; circuit reliability projects/new circuit additions/DSP Projects; capacitor installations and replacements; deteriorated pole replacement; switch and cable infrastructure replacement; storm/emergency repairs; new business installation; relocation; plant betterment; automation; pole repair; streetlight repair; and Rule 20 projects (overhead to underground conversion - electrical portion).

**All work to be completed by December 31<sup>st</sup>, 2021.**

## SECTION 3: HAZARD ASSESSMENT AND MITIGATION

The Utility Representative shall check all applicable hazards and initiate the "Hazard Description". The Contractor should verify the categories, add additional details to the "Hazard Description", and complete "Contractor's Mitigation Plan" section (see example below). Be certain to include critical mitigation components (e.g., Code of Safe Practices or critical observable actions specific to the Scope of Work). Cross-reference related documents (e.g., the Contractor's Safety Manual, Cal OSHA requirements, etc.). Include additional pages if needed.

### Site Hazard

✓	Category	Hazard Description	Contractor's Mitigation Plan
✓	Example: Fall Hazards/Elevated Work	Workers can fall when working in elevated positions, such as working from poles/towers and adjacent to excavation.	<p>Reference Section 1.1 of ABC Fall Protection Manual. Critical observable actions to prevent injuries include:</p> <ol style="list-style-type: none"> <li>100% fall protection/restrict equipment required when climbing above 4 feet on wood poles or towers.</li> <li>All open excavations shall be properly covered and/or barricaded to ensure hazard awareness.</li> <li>All employees shall inspect their fall protection equipment prior to use.</li> </ol>
✓	Enclosed Spaces	Significant and serious injuries to the public or jobsite personnel may occur while working in or around an enclosed spaces. Hazards may result from falling into, noxious gases, electrical contact, improper equipment and metering usage, incomplete THA, miscommunication, unqualified/inexperienced workers and falling objects from above.	<p>Reference pg. 57 (Other Confined Spaces - Underground Utility Vaults), as well as other applicable sections within "Underground Rules" of the Outsource Safety Manual. Reference EHS Handbook Section 8.2, pg. 13 (Confined Space Entry) and (Underground Structure Safeguards).</p> <ul style="list-style-type: none"> <li>All Outsource crews shall employ the use of Gas Testers (always logged), Air Ventilations Systems (Blowers), Barricades, and a Rescue System</li> </ul>

# Outsource UCC Hazard Assessment and Safety Plan

**Environmental  
Health &  
Safety**

**Version 1  
February 14, 2020**

			<p>(Gantry or Pulley), when working in and around confined spaces.</p> <p>Critical Observable Actions include:</p> <ol style="list-style-type: none"> <li>1. The enclosed space is barricaded and/or monitored by an attendant.</li> <li>2. Atmosphere is tested and recorded prior to entry and regularly thereafter.</li> <li>3. When normal ventilation is not adequate to provide a safe atmosphere, suitable temp ventilation is provided.</li> <li>4. The intake of the ventilation system is away from the sources of exhaust, and at least 5 feet away from the opening.</li> </ol>
✓	<b>Confined Spaces</b>	<p>Significant and serious injuries to the public and/or jobsite personnel may occur in or around confined spaces. Hazards may result from falling into, incomplete THA, miscommunication, noxious gases, electrical contact, improper equipment and metering usage, unqualified/inexperienced workers and falling objects from above.</p>	<p>Reference pg. 26 (Permit Required Confined Space), and pg. 57 (Other Confined Spaces - Underground Utility Vaults), as well as other applicable sections within "Underground Rules" of the Outsource Safety Manual.</p> <p>Reference EHS Handbook Section 8.2, pg. 13 (Confined Space Entry) and (Underground Structure Safeguards).</p> <ul style="list-style-type: none"> <li>- All Outsource crews shall employ the use of Gas Testers (always logged), Air Ventilations Systems (Blowers), Barricades, and a Rescue System (Gantry or Pulley), when working in and around confined spaces.</li> <li>- Crews shall possess a copy of the PRCs permit if so required.</li> </ul> <p>Critical Observable Actions include:</p> <ol style="list-style-type: none"> <li>1. The enclosed space is barricaded and/or monitored by an attendant.</li> <li>2. Atmosphere is tested and recorded prior to entry and regularly thereafter.</li> <li>3. When normal ventilation is not adequate to provide a safe atmosphere, suitable temp ventilation is provided.</li> <li>4. The intake of the ventilation system is away from the sources of exhaust, and at least 5 feet away from the opening.</li> </ol>
✓	<b>Stored Energy (line of fire, crushing risk)</b>	<p>Significant and serious injuries to the public and/or jobsite personnel may occur from stored energy. Hazards may result from the unexpected release of accumulated energy caused by pressurized gases, liquids, stored mechanical energy, stored electrical energy, and gravitational potential energy.</p>	<p>Reference Section 107, (Compressed Air) and 109 (Compressed Gases), pg. 15 of the Outsource UCC Safety Manual. Also see Section 123, pg. 21 (Loading and Unloading Poles: Trucks, Trailers and Dollies).</p> <ul style="list-style-type: none"> <li>- Crew members are to always use wheel chocks on any type of incline/decline to avoid crushing risk.</li> <li>- All rigging equipment shall be properly inspected to avoid equipment failure.</li> <li>- Any changes in strain shall be addressed by the crew, re-tailboarded, and properly mitigated.</li> </ul> <p>Critical Observable Actions include:</p> <ol style="list-style-type: none"> <li>1. The crew is avoiding pinch points and bites.</li> <li>2. The crew has accurately identified the bite.</li> </ol>

# Outsource UCC Hazard Assessment and Safety Plan

**Environmental  
Health &  
Safety**

**Version 1  
February 14, 2020**

			<ol style="list-style-type: none"> <li>3. The crew is using Peer Check during critical tasks</li> <li>4. Individual workers are using self check during critical tasks.</li> </ol>
✓	<b>Drop Zones (struck-by falling objects)</b>	<p>Significant and serious injuries may occur to the public and/or jobsite personnel in a drop zone. Hazards may result from an incomplete THA, miscommunication, inexperienced/unqualified workers, improper PPE use, falling object, forcible contact or impact between the injured person and an object or piece of equipment.</p>	<p>Outsource UCC crews are to always maintain, and clearly mark, a drop zone when working an overhead structure (paint, cones, tape, barricades). All employees working on the ground are not permitted to enter the zone unless absolutely required. Entry to the zone must be communicated beforehand to employees above before entry is made.</p> <p>Critical Observable Actions include:</p> <ol style="list-style-type: none"> <li>1. Crew has established a clearly defined drop zone.</li> <li>2. Tools are tethered.</li> <li>3. Tools hung from the bucket are secured properly.</li> <li>4. Crews are using handlines.</li> </ol>
✓	<b>Proximity to Overhead High Voltage Lines</b>	<p>Significant and serious injuries may occur to the public and/or jobsite personnel from working in close proximity to energized and de-energized overhead high voltage lines. Hazards may result from an incomplete THA, miscommunication, accidental circuit contact, burns, flashes, improper PPE use, and unqualified/inexperienced personnel operating equipment/working around high voltage lines.</p>	<p>Reference Outsource HSE Manual, beginning pg. 32 (Cal OSHA Electrical High Low - Voltage), for specific hazards and mitigations. Also see pg. 151 (Electrical Safety). See pg. 225 (Live Line Tools). See Section 200 (Overhead Rules), beginning on pg. 34 of the Outsource Safety Manual. Reference EHS Handbook Section 8.7, pg. 14 (Hot Work); and Section 8.14, pg. 17 (High Voltage Work).</p> <ul style="list-style-type: none"> <li>- All employees shall use Minimum Approach Distance (MAD) when in proximity to overhead high voltage lines (see pg. 15 of Red Book)</li> <li>- All employees shall adhere to Outsource and Arc Flash rules &amp; regulations (see Outsource Arc Flash Regulation Program).</li> </ul> <p>Critical Observable Actions include:</p> <ol style="list-style-type: none"> <li>1. The crew has ample cover.</li> <li>2. Crew maintains Minimum Approach Distance (MAD).</li> <li>3. There is an engaged qualified observer when crew is working in the Primary Zone.</li> <li>4. The crew has confirmed the Arc Flash requirements for their work area.</li> <li>5. Crew is wearing appropriate Arc Flash PPE level clothing &amp; equipment.</li> </ol>
✓	<b>Proximity to Underground Utilities</b>	<p>Significant and serious injuries may occur to the public and/or jobsite personnel from working in close proximity to underground utilities. Hazards may result from digging without locates or with inaccurate locates, improper PPE use on, incomplete THA, unqualified/inexperienced personnel operating equipment, miscommunication, noxious gases or any other activates that may damage buried gas and pipes, conduit, and cable.</p>	<p>Reference Outsource HSE Manual, beginning pg. 32 (Cal OSHA Electrical High Low - Voltage), for specific hazards and mitigations. Also see pg. 151 (Electrical Safety). See pg. 225 (Live Line Tools). See Section 300 (Underground Rules), beginning on pg. 57. Reference EHS Handbook Section 8.2, pg. 13 (Confined Space Entry); Section 8.3 (Fall Protection); Section 8.7, pg. 14 (Hot Work); and Section 8.14, pg. 17 (High Voltage Work).</p> <ul style="list-style-type: none"> <li>- All employees shall use Minimum Approach Distance (MAD) when in</li> </ul>

# Outsource UCC Hazard Assessment and Safety Plan

**Environmental  
Health &  
Safety**

**Version 1  
February 14, 2020**

			<p>proximity to overhead high voltage lines (see pg. 15 of Red Book)</p> <ul style="list-style-type: none"> <li>- All employees shall adhere to Outsource and Arc Flash rules &amp; regulations (see Outsource Arc Flash Regulation Program).</li> <li>- All employees shall incorporate proper guards and barricades when in proximity to underground electrical utilities.</li> </ul> <p>Critical Observable Actions include:</p> <ol style="list-style-type: none"> <li>1. The crew has ample cover.</li> <li>2. Crew maintains Minimum Approach Distance (MAD).</li> <li>3. There is an engaged qualified observer when crew is working in the Primary Zone.</li> <li>4. The crew has confirmed the Arc Flash requirements for their work area.</li> <li>5. Crew is wearing appropriate Arc Flash PPE level clothing &amp; equipment.</li> <li>6. The crew has performed and recorded a heat scan evaluation of all cable and/or equipment energized in excess of 600 volts.</li> </ol>
✓	<b>Work on/around Substation Equipment</b>	<p>Significant and serious injuries may occur to the public and/or jobsite personnel from working on/around substation equipment. Hazards may result from working in close proximity to other high voltage circuits, incomplete THA, improper PPE use, miscommunication, congested worksite areas, arc flash, switching errors, electrocution, and unqualified/inexperienced personnel.</p>	<p>Reference section 400 (Substation Rules) of the Accident Prevention Manual.</p> <ul style="list-style-type: none"> <li>- All employees shall adhere to the notification &amp; clearance requirements set when working on or near substation equipment.</li> <li>- All employees shall use Minimum Approach Distance (MAD) when in proximity to high voltage lines (see pg. 15 of Red Book)</li> <li>- All employees shall adhere to Outsource and Arc Flash rules &amp; regulations (see Substation Arc Flash Manual).</li> </ul> <p>Critical Observable Actions include:</p> <ol style="list-style-type: none"> <li>1. The crew has confirmed the Arc Flash requirements for their work area.</li> <li>2. Crew is wearing appropriate Arc Flash PPE level clothing &amp; equipment.</li> </ol>
✓	<b>Electrical Shock</b>	<p>Significant and serious injuries may occur to the public and/or jobsite personnel from working on/around electrical shock. Hazards may result from electrical shock exposure, improper PPE use, improper equipment usage, unqualified / inexperienced personnel, incomplete THA, miscommunication, electrocution, burns, fires, and explosions.</p>	<p>Reference Outsource HSE Manual, pg. 9 (Assured Grounding), for hazards and procedures pertaining to grounding. See Outsource HSE Manual, beginning pg. 32 (Cal OSHA Electrical High Low - Voltage), for specific hazards and mitigations. Also see pg. 151 (Electrical Safety). See pg. 225 (Live Line Tools).</p> <p>Reference Section 200 (Overhead Rules), beginning on pg. 34 of the Outsource Safety Manual. Also see Section 300 (Underground Rules), beginning on pg. 57.</p> <p>Reference EHS Handbook Section 8.2, pg. 13 (Confined Space Entry); Section 8.3 (Fall Protection); Section 8.7, pg. 14 (Hot Work); and Section 8.14, pg. 17 (High Voltage Work).</p>

# Outsource UCC Hazard Assessment and Safety Plan

**Environmental  
Health &  
Safety**

**Version 1  
February 14, 2020**

			<ul style="list-style-type: none"> <li>- Outsource UCC keeps in strict adherence to the Overhead &amp; Underground Grounding Manuals. Outsource employs a three-tiered system of On-Site Supervision, Off-Site Validation &amp; Training to make sure our employees always use best practices when it comes to line work.</li> <li>- All Outsource employees shall adhere to the Outsource and Arc Flash Programs.</li> <li>- All employees shall ensure they are working under the correct calorie count and thus wearing the appropriate FR clothing and equipment.</li> </ul> <p>Critical Observable Actions include:</p> <ol style="list-style-type: none"> <li>1. The crew has ample cover (i.e. second point of contact).</li> <li>2. Gloves and sleeves are within their test dates.</li> <li>3. Gloves and sleeves have passed inspection, prior to use.</li> <li>4. Crew maintains Minimum Approach Distance (MAD).</li> <li>5. Crew is wearing gloves and sleeves when working within the MAD.</li> <li>6. The crew has grounded effectively per the grounding plan.</li> <li>7. The crew has effective Lock Out Tag Out in place (i.e. clearance).</li> <li>8. The open points are tagged.</li> <li>9. There is an engaged qualified observer when crew is working in the Primary Zone.</li> <li>10. The crew has defended against backfeed and induction (i.e. open points, grounding).</li> <li>11. Equipment within the energized primary zone is barricaded.</li> <li>12. The crew has confirmed the Arc Flash requirements for their work area.</li> <li>13. Crew is wearing appropriate Arc Flash PPE level.</li> </ol>
✓	<b>Electrical Induction</b>	<p>Significant and serious injuries may occur to the public and/or jobsite personnel from working on/around electrical induction. Hazards may result from the electromagnetic fields present around energized HV electrical lines, induced voltages onto adjacent de-energized or non-commissioned electric lines, improper tool and equipment usage, incomplete THA, improper EPZ installation, improper source grounding, miscommunication and unqualified/inexperienced personnel.</p>	<p>Reference Outsource HSE Manual, pg. 9 (Assured Grounding), for hazards and procedures pertaining to grounding. See Outsource HSE Manual, beginning pg. 32 (Cal OSHA Electrical High Low - Voltage), for specific hazards and mitigations. Also see pg. 151 (Electrical Safety). See pg. 225 (Live Line Tools). See Section 200 (Overhead Rules), beginning on pg. 34 of the Outsource Safety Manual. Also see Section 300 (Underground Rules), beginning on pg. 57. Reference EHS Handbook Section 8.2, pg. 13 (Confined Space Entry); Section 8.3 (Fall Protection); Section 8.7, pg. 14 (Hot Work); and Section 8.14, pg. 17 (High Voltage Work).</p> <ul style="list-style-type: none"> <li>- Outsource UCC keeps in strict adherence to the Overhead &amp;</li> </ul>

# Outsource UCC Hazard Assessment and Safety Plan

**Environmental  
Health &  
Safety**

**Version 1  
February 14, 2020**

			<p><i>Underground Grounding Manuals. Outsource employs a three-tiered system of On-Site Supervision, Off-Site Validation &amp; Training to make sure our employees always use best practices when it comes to line work.</i></p> <ul style="list-style-type: none"> <li>- <i>All Outsource employees shall adhere to the Outsource and Arc Flash Programs.</i></li> <li>- <i>All employees shall ensure they are working under the correct calorie count and thus wearing the appropriate FR clothing and equipment.</i></li> </ul> <p><i>Critical Observable Actions include:</i></p> <ol style="list-style-type: none"> <li>1. <i>The crew has ample cover (i.e. second point of contact).</i></li> <li>2. <i>Gloves and sleeves are within their test dates.</i></li> <li>3. <i>Gloves and sleeves have passed inspection, prior to use.</i></li> <li>4. <i>Crew maintains Minimum Approach Distance (MAD).</i></li> <li>5. <i>Crew is wearing gloves and sleeves when working within the MAD.</i></li> <li>6. <i>The crew has grounded effectively per grounding plan.</i></li> <li>7. <i>The crew has effective Lock Out Tag Out in place (i.e. clearance).</i></li> <li>8. <i>The open points are tagged.</i></li> <li>9. <i>There is an engaged qualified observer when crew is working in the Primary Zone.</i></li> <li>10. <i>The crew has defended against backfeed and induction (i.e. open points, grounding).</i></li> <li>11. <i>Equipment within the energized primary zone is barricaded.</i></li> <li>12. <i>The crew has confirmed the Arc Flash requirements for their work area.</i></li> <li>13. <i>Crew is wearing appropriate Arc Flash PPE level.</i></li> </ol>
<p>✓</p>	<p><b>Electrical Arc Flash/Blast</b></p>	<p>Significant and serious injuries/illnesses may occur to the public and/or jobsite personnel from working around electrical arc flash/blast. Hazards may result from miscommunication, smoke inhalation, electrocution, incomplete THA, unqualified/inexperienced personnel, improper PPE use, improper tool/equipment usage, faulting high amp current source, equipment failure.</p>	<p><i>Reference Outsource Arc Flash Regulation Program (along with Arc Flash Manuals).</i></p> <ul style="list-style-type: none"> <li>- <i>Outsource employees are trained (and will be continuously trained) in the latest Arc Flash regulations.</i></li> <li>- <i>Employees will either add additional PPE for 12 calorie, or hot stick when higher-calorie FR is required.</i></li> <li>- <i>The calorie count will be verified by a Construction Coordinator prior to the start of the job and noted in the work order packet.</i></li> <li>- <i>Foreman are required to note the calorie count on the tailboard and make sure all employees are aware of the conditions.</i></li> </ul> <p><i>Critical Observable Actions include:</i></p> <ol style="list-style-type: none"> <li>1. <i>The crew has confirmed the Arc Flash requirements for their work area.</i></li> </ol>

# Outsource UCC Hazard Assessment and Safety Plan

**Environmental  
Health &  
Safety**

**Version 1  
February 14, 2020**

			<p>2. Crew is wearing appropriate Arc Flash PPE level.</p>
✓	<b>Clearance Procedures (LOTO)</b>	<p>Significant and serious injuries may occur to the public and/or jobsite personnel from improper clearance lockout/tag out (LOTO) procedures. Hazards may result from unqualified/inexperienced personnel, fire, electrocution, burns, smoke inhalation, blast debris, incomplete THA, miscommunication, and improper PPE usage from the accidental re-energization of an electrical circuit.</p>	<p>Reference pg. 230 (Lockout Tagout) of the Outsource HSE Manual. Reference EHS Handbook Section 8.10, pg. 17 (Lockout/Tagout).</p> <ul style="list-style-type: none"> <li>- All Outsource employees are to comply with the Hazardous Energy Control Plan, and OSHA Lockout/Blockout-Tagout methods.</li> <li>- All employees must obtain written authorization from an Utility Representative to lockout equipment and must also notify an Utility Representative once lockouts have been removed.</li> </ul> <p>Critical Observable Actions include:</p> <ol style="list-style-type: none"> <li>1. The crew has effective Lock Out Tag Out in place (i.e. clearance).</li> <li>2. The open points are tagged.</li> </ol>
✓	<b>Housekeeping</b>	<p>Significant and serious injuries may occur to the public and/or jobsite personnel from improper housekeeping. Hazards may result from incomplete THA, miscommunication, slips, trips, and falls within the worksite.</p>	<p>Reference pg. 191 (General Waste Management) of the Outsource HSE Manual, available on ISNetwork. Also see pg. 20 (Housekeeping) of the Outsource Safety Manual. Reference PS-5 Scheduled Inspections, Housekeeping, Clean and Orderly Premises) of the Accident Prevention Manual.</p> <ul style="list-style-type: none"> <li>- Outsource UCC employees are required to keep job sites free from debris and contaminants.</li> <li>- The Outsource UCC Crew Visit Form contains a section on Housekeeping that crews are constantly reviewed and graded on.</li> </ul> <p>Critical Observable Actions include:</p> <ol style="list-style-type: none"> <li>1. The site is well organized and free from tripping hazards.</li> </ol>
✓	<b>Impalement Hazards (e.g. rebar)</b>	<p>Significant and serious injuries may occur to the public and/or jobsite personnel from impalement hazards. Hazards may result from protruding objects, improperly barricaded worksites, miscommunication, incomplete THA.</p>	<p>Reference pg. 156 (Fall Protection) of the HSE Manual. See pg. 26 (Safety Straps, Lifelines, Lanyards) and 34 (Working in an Elevated Position) of the Outsource Safety Manual. Reference EHS Handbook Section 8.3, pg. 13 (Fall Protection).</p> <ul style="list-style-type: none"> <li>- Ground Rods shall either have a T-bar or be capped to avoid impalement.</li> <li>- Tailboard shall include any possible impalement hazards and mitigation methods.</li> <li>- Crew maintains in accordance with fall protection rules (See Fall Hazards/Elevated Work).</li> </ul>
✓	<b>Compromised Structures (e.g. deteriorated poles, trees)</b>	<p>Significant and serious injuries may occur to the public and/or jobsite personnel while working around compromised structures. Hazards may result from incomplete THA, miscommunication, deterioration, unqualified/inexperienced personnel, improper PPE use, improper tool/equipment usage, vehicles, improper handling, weather, insects, and wildlife. <b>Any</b></p>	<p>Reference Section 205, pg. 36 (Testing of Wood Poles) in the Outsource UCC Safety Manual.</p> <ul style="list-style-type: none"> <li>- Employees shall adhere to testing wood pole standards outlined in the Outsource Safety Manual.</li> </ul> <p>Critical Observable Actions include:</p> <ol style="list-style-type: none"> <li>1. The crew has confirmed the structure is safe to climb (visually and physically).</li> </ol>

# Outsource UCC Hazard Assessment and Safety Plan

**Environmental  
Health &  
Safety**

**Version 1  
February 14, 2020**

		<u>structure over time can be subject to deterioration which could compromise the structure's integrity.</u>	2. The pole is adequately supported if required, before climbing.
✓	<b>Fall Hazards/Elevated Work</b>	Significant and serious injuries may occur to the public and/or jobsite personnel from fall hazards/elevated work positions. Hazards may result from uneven terrain, incomplete THA, miscommunication, improper PPE use, unqualified/experienced personnel and improper tool/equipment usage.	Reference pg. 156 (Fall Protection) of the HSE Manual. See pg. 26 (Safety Straps, Lifelines, Lanyards) and 34 (Working in an Elevated Position) of the Outsource Safety Manual. Critical Observable Actions include: 1. The crew is using 100% fall protection. 2. Personal fall protection and equipment is inspected to be in good condition and worn correctly. 3. Fall protection attached to appropriate anchorage point. 4. All open excavations shall be properly covered and/or barricaded to ensure hazard awareness.
✓	<b>Sanitation</b>	Significant and serious injuries/illness may occur to the public and/or jobsite personnel from improper sanitation handling. Hazards may result from uneven terrain and <u>improper servicing</u> . Improper sanitation handling may result in environmental concerns or fines.	Reference pg. 191 (General Waste Management) of the Outsource HSE Manual. Also see pg. 20 (Housekeeping) of the Outsource Safety Manual. See PS-5 Scheduled Inspections, Housekeeping, Clean and Orderly Premises) of the Accident Prevention Manual. - Crews will always abide by proper housekeeping and sanitation standards. - Crews will always be afforded proper restroom facilities located within Cal OSHA regulations for facility distances and guidelines.
✓	<b>Low Visibility (e.g. night work and fog)</b>	Significant and serious injuries may occur to the public and/or jobsite personnel from low visibility conditions. Hazards may result from dense fog, inclement weather and low light.	- Crews will be required to have adequate lighting (light towers) in order to provide a safe working environment. - Crews will employ the use of Class III high visibility clothing when working at night or in dense fog.
✓	<b>Air Contaminates</b>	Significant and serious injuries/illnesses may occur to the public and/or jobsite personnel from working around or coming into contact with air contaminates. Hazards may result from incomplete THA's, miscommunication, paints, aerosols and solvents. Air contaminates, also known as toxic air pollutants or air toxics, are pollutants that are known or suspected to cause cancer or other serious health effects.	Reference Outsource Respiratory Protection Program. Also see pg. 14 (Protection from Dusts, Fumes, Vapors or Gases) in the Outsource Safety Manual. - When entering a confined space, all Outsource employees are required to use approved air testing devices (sniffers) and use approved air blowers. Critical Observable Actions include: 1. The crew has performed initial testing when excavation is greater than 4 feet (or when entering a confined space) and the atmosphere is suspected of being hazardous. 2. Vehicles are parked so that exhaust is not entering the worksite.
✓	<b>Environmental Conditions</b>	Significant and serious injuries/illnesses may occur to the public and/or jobsite personnel from working on or around adverse environmental conditions. Hazards may result from a substance, a state or an event which has the potential to threaten the surrounding natural environment / or	Reference Section 9 (Environmental Requirements) of the EHS Handbook for Contractors. - Employees will comply with all environmental mandates outlined in the Handbook regarding regulatory requirements, air quality and emissions,

# Outsource UCC Hazard Assessment and Safety Plan

**Environmental  
Health &  
Safety**

**Version 1  
February 14, 2020**

		adversely affect people's health, including pollution and natural disasters such as storms and earthquakes.	<p><i>biological, archaeological &amp; historical sensitivities, and field work activities.</i></p> <ul style="list-style-type: none"> <li>- <i>Employees shall be provided appropriate environmental training pertaining to the work to be performed.</i></li> </ul>
✓	<b>Wildfires</b>	Significant and serious injuries/illnesses may occur to the public and/or jobsite personnel from working on or around wildfires. Hazards may result when vegetation, or "fuel," such as grass, leaf litter, trees, or shrubs, is exposed to an ignition source, smoke inhalation, faulty equipment, miscommunication, electrical arcs, incomplete THA's.	<p><i>Reference Outsource Wildfire Plan, as well as the Red Flag Warning Program. Also, see Outsource Protection from Wildfire Smoke Program.</i></p> <ul style="list-style-type: none"> <li>- <i>All employees shall be trained (and continuously trained) in all requirements of the Outsource Wildfire Program and Red Flag Program.</i></li> <li>- <i>All crews shall carry appropriate fire mitigation equipment (i.e. Indian Can, fire extinguishers, rake, shovel, axe, and fire blanket) on all vehicles.</i></li> <li>- <i>Employees shall follow and adhere to all requirements during Elevated Fire Threats and Red Flag Warnings.</i></li> </ul>
✓	<b>Plants/Insects</b>	Significant and serious injuries/illnesses may occur to the public and/or jobsite personnel from certain plants/insects. Hazards may result from miscommunication, incomplete THA, disease carrying insects, insects' bites/stings and poisonous plants.	<p><i>Reference pg. 81 (Snake Bite) as well as 82 (Insect Bites) in the Outsource Safety Manual. Reference Section FAR-12 (Insect Bites), and Section 1021, FAR-13 (Poison Oak) of the Accident Prevention Manual.</i></p> <ul style="list-style-type: none"> <li>- <i>Outsource UCC crews will always carry Snake Bite and Spider Bite Kits. Outsource UCC will conduct trainings on how to use the kits.</i></li> <li>- <i>Employees will also be trained on how to avoid ticks, spiders and bees, as well as what to look for when an employee has been affected.</i></li> <li>- <i>Employees will be trained on how to look for and avoid and look for poisonous plants like poison oak.</i></li> </ul>
✓	<b>Animals/Wildlife</b>	Significant and serious injuries/illness may occur to the public and/or jobsite personnel from coming into contact with animals/wildlife. Hazards may result from miscommunication, incomplete THA, diseased/poisonous animals and wildlife.	<p><i>Reference Section 419, pg. 84 (Animal Bites) of the Outsource UCC Safety Manual. Reference Sections 1018, FAR-12 (Snake Bites), and 1020, FAR-13 (Animal Bites) of the APM.</i></p> <ul style="list-style-type: none"> <li>- <i>All employees shall be trained in what to look for regarding local wildlife hazards.</i></li> <li>- <i>Employees in high-brush, high-snake-hazard areas shall be provided snake chaps.</i></li> <li>- <i>All employees shall abide by Utility and local environmental regulations regarding wildlife protections.</i></li> </ul>
✓	<b>Weather Conditions</b>	Significant and serious injuries/illness may occur to the public and/or jobsite personnel due to inclement weather conditions. Hazards may result from hurricanes, tornadoes, thunderstorms, flash floods, lightning, fires, miscommunication, incomplete THA's, hail, winds, winter weather and extreme heat.	<p><i>Please reference the "Inclement Weather" section of the Emergency Action Plan of the Site-Specific EHS Plan.</i></p> <ul style="list-style-type: none"> <li>- <i>Outsource will conduct Heat Illness Training with all employees during new hire orientation, as well as throughout warmer months.</i></li> <li>- <i>Outsource will conduct Cold Weather Stress Training with all employees during new hire orientation, as well as throughout colder months.</i></li> </ul>

# Outsource UCC Hazard Assessment and Safety Plan

**Environmental  
Health &  
Safety**

**Version 1  
February 14, 2020**

✓	<b>Pedestrian Traffic</b>	Significant and serious injuries may occur to the public and/or jobsite personnel due to pedestrian traffic. Hazards may result from distracted pedestrians, miscommunication, incomplete THA's, and improper pedestrian traffic control.	<p>Reference pg. 25 (Traffic Control and Work Area Protection) in the Outsource Safety Manual. Also see GR-9 (Work Area Protection and Traffic Control) in the Accident Prevention Manual.</p> <ul style="list-style-type: none"> <li>- All traffic control shall comply with the California Temporary Traffic Control Handbook (CATTCH).</li> <li>- Proper signage (Sidewalk Closed, Men Working, Open Trench, etc.) shall always be used to protect commercial/pedestrian right of way.</li> <li>- All laws and regulations contained in the CATTCH Manual shall always be followed by Outsource employees.</li> </ul> <p>Critical Observable Actions include:</p> <ol style="list-style-type: none"> <li>1. There is effective traffic control in place, with an approved traffic control plan (if necessary), allowing for smooth and safe traffic flow.</li> <li>2. Approved pedestrian control plans are in place (if necessary), and pedestrians are diverted safely around the worksite, or are escorted safely through the worksite.</li> </ol>
✓	<b>Neighboring Facilities/Homeowner Issues</b>	Significant and serious issues or complaints may occur from the public due to neighboring facilities/homeowner issues. Issues and complaints may result from construction noise, working outside of designated worksite hours, incomplete THA's, miscommunication and working in close proximity to neighboring facilities.	<ul style="list-style-type: none"> <li>- Outsource employees shall comply with all city, county and state ordinances regarding noise, construction start &amp; stop times, and any other sensitive work activity.</li> <li>- Employees will be instructed to always defer to their supervisor when dealing with disgruntled homeowners and landlords.</li> <li>- Supervisors will receive sensitivity training regarding customers, homeowners, and neighboring facilities.</li> </ul>
✓	<b>Terrain</b>	Significant and serious injuries may occur to the public and/or jobsite personnel due to terrain. Hazards may result from man-made or natural terrain, uneven surfaces, improper foot wear, improper PPE use, miscommunication, incomplete THA, wet grass and/or mud which may increase hazards while walking or driving.	<p>Reference Outsource HSE Manual, pg. 198 (Hand and Power Tools) and pg. 257 (Personal Protective Equipment).</p> <ul style="list-style-type: none"> <li>- Appropriate footwear (work boots) is always required.</li> <li>- Appropriate gear will be issued when conditions require.</li> <li>- Moon Boots shall be worn by employees operating jackhammers, paving breakers, tampers, rotary drills, clay spades and similar impactor type tools.</li> </ul>
✓	<b>Vehicle Traffic</b>	Significant and serious injuries may occur to the public and/or jobsite personnel due vehicle traffic. Hazards may result from adjacent traffic, miscommunication, incomplete THA, adverse weather conditions, vehicle exhaust, moving machinery, distracted motorists and improper traffic control or traffic permitting.	<p>Reference pg. 25 (Traffic Control and Work Area Protection) in the Outsource Safety Manual. Also see GR-9 (Work Area Protection and Traffic Control) in the Accident Prevention Manual. See the California Temporary Traffic Control Handbook (CATTCH).</p> <ul style="list-style-type: none"> <li>- All traffic control shall comply with the California Temporary Traffic Control Handbook (CATTCH).</li> <li>- Proper signage (Lane Closed, Road Closed, Men Working, etc.) shall always be used to protect private and</li> </ul>

# Outsource UCC Hazard Assessment and Safety Plan

**Environmental  
Health &  
Safety**

**Version 1  
February 14, 2020**

			<p>commercial right of way. Proper use of cones, spotters, arrow boards, and signs will always be used in accordance with city traffic laws.</p> <p>Critical Observable Actions include:</p> <ol style="list-style-type: none"> <li>1. There is effective traffic control in place, with an approved traffic control plan (if necessary), allowing for smooth and safe traffic flow.</li> <li>2. The crew is wearing high visibility clothing when working adjacent to traffic or at night.</li> </ol>
✓	<b>Contaminated Soil</b>	<p>Significant and serious injuries/illnesses may occur to the public and/or jobsite personnel by coming into contact with contaminated soil. Hazards may include, existing conditions and/or spills of a hazardous substance.</p>	<p>Reference pg. 191 (General Waste Management), as well as pg. 72 (Cal OSHA HAZCOM) in the Outsource HSE Manual for various mitigation methods for contaminated soil.</p> <p>Reference PS-5 (Reporting Hazards) in the Accident Prevention Manual.</p> <ul style="list-style-type: none"> <li>- Outsource employees shall immediately contact their Supervisor when encountering contaminated soil.</li> <li>- Utility shall be immediately notified for discussions of mitigation.</li> </ul>
✓	<b>Natural Gas Lines</b>	<p>Significant and serious injuries/illnesses may occur to the public and/or jobsite personnel due to natural gas lines. Hazards may result from miscommunication, misuse of equipment resulting in inadvertently digging, striking, driving heavy equipment over natural gas lines, fire, explosion, suffocation, or leaking of the natural gas into the environment.</p>	<p>Reference Outsource UCC Dig Alert Process &amp; Guidelines.</p> <ul style="list-style-type: none"> <li>- Never dig without a valid USA.</li> <li>- Always verify the Dig Ticket is on site and that the excavation falls within the acceptable time frame.</li> <li>- Make sure the markings are understandable and all utilities are accounted for (if not call Dig Alert).</li> <li>- Always take before pictures of the markings and excavation site.</li> <li>- Always hand dig within two feet of conflicting utilities or if not all utilities are accounted for (employees must have written approval from their General Foreman to use the auger).</li> </ul>
✓	<b>Communication Limitations</b>	<p>Significant and serious injuries may occur to the public and/or jobsite personnel due to communication limitations. Hazards may include miscommunication, incomplete THA's and limited cellular service communication which may impede daily job site activities and emergency responders.</p>	<ul style="list-style-type: none"> <li>- Outsource to employ the highest-rated frequency VHF radios on each crew for rural areas.</li> <li>- Outsource will employ the use of Blue Cosmo ISat Phone IIs for communication in rural areas. These phones incorporate a "Panic" button that notifies local authorities in the event of emergencies, giving them exact GPS coordinates for the crew.</li> </ul>
✓	<b>No Cellular Connection</b>	<p>Significant and serious injuries may occur to the public and/or jobsite personnel due to lack of cellular service. Hazards may result from an incomplete THA, miscommunication, poor or no cellular service may delay emergency responders.</p>	<ul style="list-style-type: none"> <li>- Outsource to employ the highest-rated frequency VHF radios on each crew for rural areas.</li> <li>- Outsource will employ the use of Blue Cosmo ISat Phone IIs for communication in rural areas. These phones incorporate a "Panic" button that notifies local authorities in the event of emergencies, giving them exact GPS coordinates for the crew.</li> </ul>

# Outsource UCC Hazard Assessment and Safety Plan

**Environmental  
Health &  
Safety**

**Version 1  
February 14, 2020**

			<ul style="list-style-type: none"> <li>- Outsource employees are instructed in Wildfire training to find the closest evacuation area with cellphone connection, should there not be any at the work site.</li> </ul>
✓	<b>Emergency Evacuation Limitations</b>	Significant and serious injuries may occur to the public and/or jobsite personnel due to emergency evacuation limitations. Hazards may result from miscommunication and incomplete THA's which could prolong emergency responders in difficult terrain and/or congested areas.	Reference Emergency Action Plan located in the Outsource Site-Specific Safety Plan
✓	<b>Working Over/Near Water</b>	Significant and serious injuries/illnesses may occur to the public and/or jobsite personnel due to working over/near water. Hazards may result from miscommunication, improper PPE, incomplete THA's, infectious insects, and drowning.	<p>Reference Outsource HSE Manual (Working Near Water).</p> <ul style="list-style-type: none"> <li>- Employees shall be trained prior to working over or near water as to all associated hazards, procedures, and emergency situations.</li> <li>- A hazard assessment shall be required as part of the pre-task plan to discuss work to be performed, required PPE, and specific emergency procedures.</li> <li>- All employees shall never work alone when working over or near water and shall employ the buddy system.</li> <li>- All electrical lines &amp; equipment shall be de-energized prior to work when working over or near water, unless deemed impossible, at which time additional safety measures shall be incorporated.</li> </ul>
✓	<b>Remote Work</b>	Significant and serious injuries may occur to the public and/or jobsite personnel due to remote work. Hazards may result from improper communication, incomplete THA's, delayed emergency responders and lack of evacuation plans.	<ul style="list-style-type: none"> <li>- Outsource to employ the highest-rated frequency VHF radios on each crew for rural areas.</li> <li>- Outsource will employ the use of Blue Cosmo ISat Phone IIs for communication in rural areas. These phones incorporate a "Panic" button that notifies local authorities in the event of emergencies, giving them exact GPS coordinates for the crew.</li> <li>- All employees shall never work alone when working in remote areas and shall employ the buddy system.</li> </ul>
<input type="checkbox"/>	<b>Other:</b> _____		
<input type="checkbox"/>	<b>Other:</b> _____		
<b>Hazards Associated with use of Specific Equipment</b>			
✓	<b>Category</b>	<b>Hazard Description</b>	<b>Contractor's Mitigation Plan</b>
✓	<b>Driving</b>	Significant and serious injuries may occur to the public and/or jobsite personnel when driving. Hazards may result from distracted driving, miscommunication, drowsiness, impaired driving, congested traffic, improper PPE (i.e. seatbelts) use, incomplete THA, unqualified/inexperienced	<p>Reference Outsource HSE Handbook (Driving Safety). See Section P-17, pg. 10 (Vehicle Operation) of the Outsource Safety Manual.</p> <ul style="list-style-type: none"> <li>- All Outsource field employees that drive heavy trucks and equipment are required to possess a valid commercial</li> </ul>

# Outsource UCC Hazard Assessment and Safety Plan

**Environmental  
Health &  
Safety**

**Version 1  
February 14, 2020**

		<p>personnel driving vehicles/equipment, and/or use of any electronic device.</p>	<p>driver's license. Verification of a valid license along with driving record shall be electronically obtained during the new hire orientation, as well as throughout the year.</p> <ul style="list-style-type: none"> <li>- Drivers shall receive driver's training during the new hire orientation, as well as throughout the year.</li> <li>- Outsource incorporates the use of electronic AVL on all company vehicles. Driving behavior trends are monitored &amp; tracked through the company database.</li> </ul> <p>Critical Observable Actions include:</p> <ol style="list-style-type: none"> <li>1. Vehicle has been inspected, prior to use (documented).</li> <li>2. Crew has pre-planned route.</li> <li>3. Roads are confirmed safe to drive.</li> <li>4. Driver avoids distractions.</li> <li>5. Driver maintains safe distance.</li> <li>6. Driver maintains a safe speed.</li> <li>7. Driver uses turn signals.</li> <li>8. Driver uses low gear down declines.</li> </ol> <p>Driving with a Trailer:</p> <ol style="list-style-type: none"> <li>9. Trailer connections are sound.</li> <li>10. Trailer has been inspected and confirmed to be in good condition.</li> <li>11. Trailer is appropriate size for load (trailer loaded correctly).</li> <li>12. Crew uses a chase vehicle (comms between the two) with oversized loads.</li> </ol>
✓	<b>Heavy Equipment</b>	<p>Significant and serious injuries may occur to the public and/or jobsite personnel when operating heavy equipment. Hazards may result from distracted operations, miscommunication, oh and URD utilities, drowsiness, impaired operation, congested traffic, improper PPE use, incomplete THA, unqualified/inexperienced personnel operating equipment, electronic device use while operating equipment, blind spots, seatbelts, mounting and dismounting, overhead and underground utilities, and exceeding load limits.</p>	<p>Reference pg. 24 (Vehicle Booms, Ladders, and Lifts) and (Cranes, Hoists, Derricks, Booms, and Winches) of the Outsource Safety Manual. Reference EHS Handbook Section 8.12, pg. 17 (Use and Operation of Facilities, Materials, Equipment, and Vehicles).</p> <ul style="list-style-type: none"> <li>- All Outsource employees are required to conduct walk-arounds and complete DVIR forms. All equipment requires an appropriate inspection before use.</li> <li>- All employees are required to have a Class A driver's license. Outsource conducts DMV Pull Notices during the hiring process to check status and keep informed of any changes throughout employment.</li> </ul> <p>Critical Observable Actions include:</p> <ol style="list-style-type: none"> <li>1. Vehicle has been inspected, prior to use (documented).</li> <li>2. Crew is using a spotter when backing vehicles.</li> <li>3. Driver performs Circle of Safety.</li> <li>4. Loads are secured properly.</li> <li>5. Driver uses low gears down declines.</li> </ol>
✓	<b>Hand and Power Tools</b>	<p>Significant and serious injuries may occur to the public and/or jobsite personnel when operating hand and power tools. Hazards may result from tool misuse, improper maintenance, improper PPE usage, lack of communication, incomplete THA,</p>	<p>Reference pg. 198 (Hand &amp; Power Tools) of the Outsource HSE Manual. See pg. 16 (Tools) under the General Rules section of the Outsource Safety Manual.</p>

# Outsource UCC Hazard Assessment and Safety Plan

**Environmental  
Health &  
Safety**

**Version 1  
February 14, 2020**

		unqualified/inexperienced personnel, expired compliance/test dates and improperly working damaged tools.	<p>Reference EHS Handbook Section 8.12, pg. 17 (Use and Operation of Facilities, Materials, Equipment, and Vehicles).</p> <ul style="list-style-type: none"> <li>- Outsource employees are to always conduct a thorough inspection of all hand &amp; power tools prior to use.</li> <li>- Any tool deemed compromised shall be red tagged and taken out of service (LOTO protocol applies when required).</li> <li>- Proper PPE (i.e. Safety Glasses, Gloves, Steel Toed Boots, etc.) shall always be employed when using hand &amp; power tools.</li> </ul>
✓	<b>Live Line Tools</b>	Significant and serious injuries may occur to the public and/or jobsite personnel when operating live line tools. Hazards may result from tool misuse, improper maintenance, lack of PPE, improper communication, incomplete THA, unqualified/inexperienced personnel, <b><u>expired compliance/test dates and improperly working damaged tools.</u></b>	<p>Reference Section 212, pg. 38 (Live Line Tools – Use and Care) of the Outsource Safety Manual.</p> <ul style="list-style-type: none"> <li>- Employees shall be trained in the proper use of live line tools.</li> <li>- Live line tools shall be stored in a dry, covered area so as not to compromise integrity.</li> <li>- Live tools shall be tested annually. Should a tool be “Out of Date” or the tag illegible, the tool shall be red tagged and brought out of service for retesting.</li> </ul>
✓	<b>Faulty/Broken Equipment</b>	Significant and serious injuries may occur to the public and/or jobsite personnel when operating faulty/broken equipment. Hazards may result from equipment misuse, improper maintenance, lack of PPE, improper communication, incomplete THA, unqualified/inexperienced personnel, expired compliance/test dates and improperly faulty/broken equipment and lack of proper maintenance	<ul style="list-style-type: none"> <li>- All employees are responsible for the inspection of tools and equipment.</li> <li>- Anything deemed unsafe shall be red tagged and removed from service.</li> <li>- Any equipment that is not compliant with its test dates shall be red tagged and removed from service to be retested.</li> </ul>
✓	<b>Cranes</b>	Significant and serious injuries may occur to the public and/or jobsite personnel when operating cranes. Hazards may result from equipment misuse, improper maintenance, lack of PPE, improper communication, incomplete THA, unqualified/inexperienced personnel, expired compliance/test dates, improperly faulty/broken equipment, lack of proper maintenance, overhead loads, unstable soil conditions, energized circuits, swing radius, pinching/crushing points from outriggers, working from an elevated crane basket, and entering or exiting equipment.	<p>Reference pg. 240 (Mechanical Equipment Operations Near Energized Lines) of the Outsource HSE Manual. Also see pg. 24 (Cranes) and 49 (Standard Crane &amp; Boom Signals) of the Outsource Safety Manual.</p> <p>Reference Section GR-9 (Cranes, Hoists, Derricks, Booms, and Winches) of the Accident Prevention Manual.</p> <ul style="list-style-type: none"> <li>- Any use of a crane on the job site shall be done by a Certified Crane Operator. A copy of the crane certification will be available at Outsource UCC’s Anaheim Headquarters. All Outsource employees are required to conduct walk-arounds and complete DVIR forms.</li> </ul> <p>Critical Observable Actions include:</p> <ol style="list-style-type: none"> <li>1. The crew has a lift plan in place.</li> <li>2. The crane is stable (outriggers, soil, etc.)</li> <li>3. Wind and weather are safe for suspended loads.</li> </ol>
✓	<b>Derricks, Hoists, Booms and Elevators</b>	Significant and serious injuries may occur to the public and/or jobsite personnel when operating derricks, hoists, booms and elevators. Hazards may result from equipment misuse, improper maintenance, lack of PPE, improper communication, incomplete THA, unqualified/inexperienced personnel, expired	<p>Reference pg. 240 (Mechanical Equipment Operations Near Energized Lines) of the Outsource HSE Manual, available on ISNetwork. See pg. 24 (Vehicle Booms, Ladders, and Lifts) and (Cranes, Hoists, Derricks, Booms, and Winches) of the Outsource Safety Manual.</p>

# Outsource UCC Hazard Assessment and Safety Plan

**Environmental  
Health &  
Safety**

**Version 1  
February 14, 2020**

		compliance/test dates, improperly faulty/broken equipment, lack of proper maintenance, overhead loads, energized circuits, swing radius, pinching/crushing points from outriggers, entering or exiting equipment, unbalanced loads, excessive loads and unstable soil conditions.	<p>Reference EHS Handbook Section 8.12, pg. 17 (Use and Operation of Facilities, Materials, Equipment, and Vehicles).</p> <p>Critical Observable Actions include:</p> <ol style="list-style-type: none"> <li>1. Vehicle has been inspected, prior to use (documented).</li> <li>2. Crew is using a spotter when backing vehicles.</li> <li>3. Operator performs Circle of Safety.</li> <li>4. Loads are secured properly.</li> </ol>
✓	<b>Man lifts and Elevated Work Platforms</b>	Significant and serious injuries may occur to the public and/or jobsite personnel when operating man lifts and elevated work platforms. Hazards may result from elevated falls, improper communication, unqualified/inexperienced personnel, incomplete THA, incomplete equipment inspection, falling objects, tip-overs, ejections, structural failures, electric shock, entanglement hazards, contact with overhead/ground level objects, and entering or exiting equipment while operating aerial lift devices.	<p>Reference pg. 240 (Mechanical Equipment Operations Near Energized Lines) of the Outsource HSE Manual, available on ISNetworld. See pg. 24 (Vehicle Booms, Ladders, and Lifts) and (Cranes, Hoists, Derricks, Booms, and Winches) of the Outsource Safety Manual. See EHS Handbook Section 8.12, pg. 17 (Use and Operation of Facilities, Materials, Equipment, and Vehicles).</p> <p>Critical Observable Actions include:</p> <ol style="list-style-type: none"> <li>1. Vehicle has been inspected, prior to use (documented).</li> <li>2. Crew is using a spotter when backing vehicles.</li> <li>3. Operator performs Circle of Safety.</li> <li>4. Loads are secured properly.</li> </ol>
✓	<b>Forklifts/Industrial Trucks</b>	Significant and serious injuries may occur to the public and/or jobsite personnel when operating forklifts/industrial trucks. Hazards may result from elevated falls, improper communication, unqualified/inexperienced personnel, incomplete THA, incomplete equipment inspection, falling objects, tip-overs, ejections, structural failures, electric shock, entanglement hazards, contact with overhead/ground level objects, and entering or exiting equipment while operating aerial lift devices.	<p>Reference pg. 24 (Vehicle Booms, Ladders, and Lifts) of the Outsource UCC Safety Manual.</p> <ul style="list-style-type: none"> <li>- All Material Handlers operating standard forklifts shall receive formal training. Records are to be kept at Outsource UCC headquarters.</li> <li>- Vehicle has been inspected, prior to use (documented).</li> <li>- Crew is using a spotter when backing vehicles.</li> <li>- Operator performs Circle of Safety.</li> </ul>
✓	<b>Telescoping/Off-road Forklifts</b>	Significant and serious injuries may occur to the public and/or jobsite personnel when operating telescoping/off-road forklifts. Hazards may result from elevated falls, improper communication, unqualified/inexperienced personnel, incomplete THA, incomplete equipment inspection, falling objects, tip-overs, ejections, structural failures, electric shock, entanglement hazards, contact with overhead/ground level objects, excessive loads, uneven terrain, rollovers, collisions, improper seatbelt use, lack of spotters and/or backers, and blind spots.	<p>Reference pg. 24 (Vehicle Booms, Ladders, and Lifts) of the Outsource UCC Safety Manual.</p> <ul style="list-style-type: none"> <li>- All Material Handlers operating an All-Terrain 10-Ton forklift shall receive formal training. Records are to be kept at Outsource UCC headquarters.</li> </ul>
✓	<b>Off-road Vehicles</b>	Significant and serious injuries may occur to the public and/or jobsite personnel from operating off-road vehicles. Hazards may result from loss of traction or braking, uneven, wet, slippery/loose, steep terrain, loose soils, improper seatbelt usage, excessive speed, adjacent vehicles, loss of control, miscommunication, incomplete THA's, improper PPE, inexperienced/unqualified personnel and defective or faulty equipment.	<ul style="list-style-type: none"> <li>- Any Outsource employee responsible for work activities involving off-road vehicles shall be properly trained in the hazards associated with it.</li> <li>- Only employees with experience in off road driving activities shall be allowed to conduct the work necessary for the job.</li> </ul>
☐	<b>Chippers</b>	Significant and serious injuries may occur to the public and/or jobsite personnel from operating chippers. Hazards may result from flying debris,	

# Outsource UCC Hazard Assessment and Safety Plan

**Environmental  
Health &  
Safety**

**Version 1  
February 14, 2020**

		sharp objects, noise, moving parts, miscommunication, incomplete THA's, improper PPE, inexperienced/unqualified personnel and defective or faulty equipment.	
✓	<b>Chainsaws</b>	Significant and serious injuries may occur to the public and/or jobsite personnel from operating chainsaws. Hazards may result from kick-back, distractions, noise, vibrations, chain breakage, faulty equipment, crushing, inexperienced/unqualified personnel, incomplete THA, miscommunication and improper PPE usage.	<p>Reference Section 124, pg. 22 (Chain Saw Use) in the Outsource Safety Manual.</p> <p>Critical Observable Actions include:</p> <ol style="list-style-type: none"> <li>1. The crew is operating chainsaws safely.</li> <li>2. The chainsaw is in good condition.</li> <li>3. The area around chainsaw operations is clear.</li> <li>4. The crew mitigates fire danger while refueling the chainsaw.</li> <li>5. The crew is using the proper size chainsaw.</li> </ol>
✓	<b>Powder-Actuated Tools</b>	Significant and serious injuries/illnesses may occur to the public and/or jobsite personnel from operating powder actuated tools. Hazards may result from tool misuse, powder burn, smoke inhalation, improper PPE usage, miscommunication, faulty tool, incomplete THA and inexperienced/unqualified personnel.	<p>Reference pg. 198 (Hand &amp; Power Tools) and pg. 257 (Personal Protective Equipment PPE) of the Outsource HSE Manual for hazard and mitigation methods for power actuated tools.</p> <p>Reference GR- 12 (Tools), specifically f. Power-Actuated Tools in the Accident Prevention Manual.</p> <ul style="list-style-type: none"> <li>- Outsource employees are to always conduct a thorough inspection of all hand &amp; power tools prior to use.</li> <li>- Any tool deemed compromised shall be red tagged and taken out of service.</li> <li>- Proper PPE (i.e. Safety Glasses, Gloves, Steel Toed Boots, etc.) shall always be employed when using hand &amp; power tools.</li> </ul>
✓	<b>Equipment LOTO</b>	Significant and serious injuries may occur to the public and/or jobsite personnel from improper lockout/tag out (LOTO). Hazards may result from fire, electrocution, burns, smoke inhalation, blast debris, miscommunication, incomplete THA and inexperienced/unqualified personnel.	<p>Reference pg. 230 (Lockout Tagout) of the Outsource HSE Manual.</p> <p>Reference EHS Handbook Section 8.10, pg. 17 (Lockout/Tagout).</p> <ul style="list-style-type: none"> <li>- All Outsource employees are to comply with the Hazardous Energy Control Plan, and OSHA Lockout/Blockout-Tagout methods.</li> <li>- They must obtain written authorization from an Utility Representative to lockout equipment and must also notify an Utility Representative once lockouts have been removed.</li> </ul>
<input type="checkbox"/>	<b>Other: _____</b>		
<input type="checkbox"/>	<b>Other: _____</b>		
<b>Hazards Associated with Specific Work Activities</b>			
✓	<b>Category</b>	<b>Hazard Description</b>	<b>Contractor's Mitigation Plan</b>
✓	<b>High-voltage Electrical Work</b>	Significant and serious injuries may occur to the public and/or jobsite personnel from high-voltage electrical work. Hazards may result from miscommunication, incomplete THA, improper PPE usage, improper equipment/tool usage, and unqualified/inexperienced personnel.	Reference Outsource HSE Manual, pg. 9 (Assured Grounding), for hazards and procedures pertaining to grounding. See Outsource HSE Manual, beginning pg. 32 (Cal OSHA Electrical High Low - Voltage), for specific hazards and mitigations. Also see pg. 151 (Electrical Safety). See pg. 225 (Live Line Tools). See Section 200 (Overhead

# Outsource UCC Hazard Assessment and Safety Plan

**Environmental  
Health &  
Safety**

**Version 1  
February 14, 2020**

			<p>Rules), beginning on pg. 34 of the Outsource Safety Manual. Also see Section 300 (Underground Rules), beginning on pg. 57. Reference EHS Handbook Section 8.2, pg. 13 (Confined Space Entry); Section 8.3 (Fall Protection); Section 8.7, pg. 14 (Hot Work); and Section 8.14, pg. 17 (High Voltage Work).</p> <ul style="list-style-type: none"> <li>- Outsource UCC keeps in strict adherence to the Overhead &amp; Underground Grounding Manuals. Outsource employs a three-tiered system of On-Site Supervision, Off-Site Validation &amp; Training to make sure our employees always use best practices when it comes to line work.</li> </ul> <p>Critical Observable Actions include:</p> <ol style="list-style-type: none"> <li>1. The crew has ample cover (i.e. second point of contact).</li> <li>2. Gloves and sleeves are within their test dates.</li> <li>3. Gloves and sleeves have passed inspection, prior to use.</li> <li>4. Crew maintains Minimum Approach Distance (MAD).</li> <li>5. Crew is wearing gloves and sleeves when working within the MAD</li> <li>6. The crew has grounded effectively per the grounding plan.</li> <li>7. The crew has effective Lock Out Tag Out in place (i.e. clearance).</li> <li>8. The open points are tagged.</li> <li>9. There is an engaged qualified observer when crew is working in the Primary.</li> <li>10. The crew has isolated against backfeed and induction (i.e. open points, grounding).</li> <li>11. Equipment within the energized primary zone is barricaded.</li> <li>12. The crew has confirmed the Arc Flash requirements for their work area.</li> <li>13. Crew is wearing appropriate Arc Flash PPE level.</li> </ol>
✓	<b>Low-voltage Electrical Work</b>	<p>Significant and serious injuries may occur to the public and/or jobsite personnel from low-voltage electrical work. Hazards may result from miscommunication, incomplete THA, improper PPE usage, improper equipment/tool usage, and improperly qualified/inexperienced personnel.</p>	<p>Reference Outsource HSE Manual, beginning pg. 32 (Cal OSHA Electrical High &amp; Low - Voltage). Critical Observable Actions include:</p> <ol style="list-style-type: none"> <li>1. The crew has adequate cover (i.e. second point of contact).</li> <li>2. Gloves are within their test dates.</li> <li>3. Gloves have passed inspection, prior to use.</li> <li>4. Employee is wearing Class 0 gloves when working on energized lines and equipment.</li> </ol>
✓	<b>Steel Erection</b>	<p>Significant and serious injuries may occur to the public and/or jobsite personnel from steel assembly/tower erection. Hazards may result from miscommunication, incomplete THA, falls, pinch points, crushing, improper PPE usage, improper equipment/tool usage, unqualified/inexperienced personnel, dropping hazards and fatigue.</p>	<p>Reference Section 4.0 of the Red Book (Metal Tower Construction):</p> <ol style="list-style-type: none"> <li>(a) All excavations shall be performed in accordance with the provisions of Construction Safety Orders.             <ol style="list-style-type: none"> <li>(1) A designated employee shall be used in directing mobile</li> </ol> </li> </ol>

# Outsource UCC Hazard Assessment and Safety Plan

**Environmental  
Health &  
Safety**

**Version 1  
February 14, 2020**

			<p>equipment adjacent to footing excavations.</p> <p>(2) No one shall be permitted to remain in the footing excavation while equipment is being spotted for placement.</p> <p>(b) Guy lines shall be used as necessary to maintain sections in position, and to reduce the possibility of tipping.</p> <p>(c) Members and sections being assembled shall be adequately supported.</p> <p>(d) When assembling and erecting towers, the provisions of subsections (1), (2), and (3) shall be complied with.</p> <p>(1) The construction of transmission towers and the erecting of poles, hoisting machinery, site preparation machinery, and other types of construction machinery shall conform to the applicable requirements of the article.</p> <p>(2) No one shall be permitted under a tower that is in the process of erection or assembly, except as may be required to guide and secure the section being set.</p> <p>(3) When erecting towers using hoisting equipment adjacent to energized transmission lines, the minimum clearance distances are required as per State law.</p> <p>(See Section 4.0 of Red Book for further hazard mitigations for Steel Erections)</p>
✓	<b>Vegetation Management</b>	<p>Significant and serious injuries may occur to the public and/or jobsite personnel from vegetation management. Hazards may result from OH electrical circuits, cutting devices, tree pruning, brush removal, equipment operation, herbicides, improper PPE usage, miscommunication, incomplete THA's and unqualified/inexperienced personnel.</p>	<p>Reference "Compromised Structures" for climbing hazards.</p> <ul style="list-style-type: none"> <li>- Chainsaw operator will not operate until verbal command that zone is clear.</li> <li>- Crew shall always use three-way communication.</li> <li>- Crew will always conduct a walk-through survey of the work site to identify any hazard to the worker.</li> <li>- Crew members will assess tree for stored energy before work begins.</li> </ul>
✓	<b>Crane Operations</b>	<p>Significant and serious injuries may occur to the public and/or jobsite personnel when operating cranes. Hazards may result from equipment misuse, improper maintenance, lack of PPE, improper communication, distractions, incomplete THA, unqualified/inexperienced personnel, expired compliance/test dates, improperly faulty/broken equipment, lack of proper maintenance, overhead loads, unstable soil conditions, energized circuits, swing radius, pinching/crushing points from outriggers, working from an elevated crane basket, and entering or exiting equipment.</p>	<p>Reference pg. 240 (Mechanical Equipment Operations Near Energized Lines) of the Outsource HSE Manual, available on ISNetworld. Also see pg. 24 (Cranes) and 49 (Standard Crane &amp; Boom Signals) of the Outsource Safety Manual. Reference Section GR-9 (Cranes, Hoists, Derricks, Booms, and Winches) of the Accident Prevention Manual.</p> <ul style="list-style-type: none"> <li>- Any use of a crane on the job site by Outsource shall be done by a Certified Crane Operator. A copy of the crane certification will be available at Outsource UCC's Anaheim Headquarters, as well as on the operator.</li> </ul>

# Outsource UCC Hazard Assessment and Safety Plan

**Environmental  
Health &  
Safety**

**Version 1  
February 14, 2020**

			<ul style="list-style-type: none"> <li>- All Outsource employees are required to conduct walk-arounds and complete DVIR forms.</li> <li>- All crane operators shall maintain MAD from energized lines &amp; equipment (see table on pg. 11 of Red Book).</li> </ul> <p>Critical Observable Actions include:</p> <ol style="list-style-type: none"> <li>1. The crew has a lift plan in place.</li> <li>2. The crane is stable (outriggers, soil, etc.)</li> <li>3. Wind and weather are safe for suspended loads.</li> </ol>
✓	<b>Ground Support for Air Operations</b>	<p>Significant and serious injuries may occur to the public and/or jobsite personnel while providing ground support for air operations. Hazards may result from improper loading/unloading, rigging, refueling, miscommunication, improper PPE, incomplete JHA's, and unqualified/ inexperienced personnel.</p>	<p>Reference pg. 53 (Helicopter Operations), in the Outsource Safety Manual. Reference Section GR-15 145 (Helicopter Operation) of the Accident Prevention Manual. Critical Observable Actions include:</p> <ol style="list-style-type: none"> <li>1. Weather conditions safe for helicopter operations.</li> <li>2. Pilot and crew conducted thorough pre-flight tailboard.</li> <li>3. Clear communication established and maintained.</li> <li>4. Pilots controls load safely and skillfully.</li> <li>5. Non-essential personnel remain at least 50 feet away from helicopter operations.</li> <li>6. Crew is wearing proper PPE for helicopter operations.</li> <li>7. The landing zone is free of loose debris.</li> <li>8. Load is rigged correctly.</li> <li>9. Rigging is inspected and in good condition.</li> <li>10. Pole is secured by ground crew.</li> <li>11. Crew is using SONO tubes when setting poles.</li> <li>12. Crew waits until pole is at waist level before guiding.</li> </ol>
✓	<b>Caissons and Cofferdams</b>	<p>Significant and serious injuries may occur to the public and/or jobsite personnel while installing caissons and cofferdams. Hazards may result from equipment misuse, improper maintenance, lack of PPE, improper communication, distractions, incomplete THA, unqualified/inexperienced personnel, expired compliance/test dates, improperly faulty/broken equipment, lack of proper maintenance, overhead loads, unstable soil conditions, energized circuits, swing radius, pinching/crushing points from outriggers, working from an elevated crane basket, infectious insects, drowning, and entering or exiting equipment.</p>	<p>Reference Outsource HSE Manual (Working Near Water).</p> <ul style="list-style-type: none"> <li>- Employees shall be trained prior to working over or near water as to all associated hazards, procedures, and emergency situations.</li> <li>- A hazard assessment shall be required as part of the pre-task plan to discuss work to be performed, required PPE, and specific emergency procedures.</li> <li>- All employees shall never work alone when working over or near water and shall employ the buddy system.</li> <li>- All electrical lines &amp; equipment shall be de-energized prior to work when working over or near water, unless deemed impossible, at which time additional safety measures shall be incorporated.</li> </ul> <p>Reference pg. 26 (Permit Required Confined Space), and pg. 57 (Other Confined Spaces -</p>

# Outsource UCC Hazard Assessment and Safety Plan

**Environmental  
Health &  
Safety**

**Version 1  
February 14, 2020**

			<p>Underground Utility Vaults), as well as other applicable sections within "Underground Rules" of the Outsource Safety Manual. Reference SCE EHS Handbook Section 8.2, pg. 13 (Confined Space Entry) and (Underground Structure Safeguards).</p> <ul style="list-style-type: none"> <li>- All Outsource crews shall employ the use of Gas Testers (always logged), Air Ventilations Systems (Blowers), Barricades, and a Rescue System (Gantry or Pulley), when working in and around confined spaces.</li> <li>- Crews shall possess a copy of the PRCS permit if so required.</li> </ul> <p>SCE Critical Observable Actions include:</p> <ol style="list-style-type: none"> <li>1. The enclosed space is barricaded and/or monitored by an attendant.</li> <li>2. Atmosphere is tested and recorded prior to entry and regularly thereafter.</li> <li>3. When normal ventilation is not adequate to provide a safe atmosphere, suitable temp ventilation is provided.</li> <li>4. The intake of the ventilation system is away from the sources of exhaust, and at least 5 feet away from the opening.</li> </ol>
✓	<b>Stairways and Ladders</b>	<p>Significant and serious injuries may occur to the public and/or jobsite personnel while using stairways and ladder. Hazards may result from uneven terrain, unstable soil conditions, miscommunication, improper equipment use, improper PPE, incomplete THA and unqualified/inexperienced personnel.</p>	<p>Reference pg. 225 (Ladder Safety) of the HSE Manual. See pg. 17 (Ladders) of the Outsource Safety Manual. Reference GR-11 (Portable Ladders) of the Accident Prevention Manual.</p> <ul style="list-style-type: none"> <li>- Employees must always use 3 Points of Contact when ascending or descending stairways and ladders.</li> <li>- The top of the latter must extend 3 feet above the upper landing surface, and at a 4:1 ratio (1 foot out from the wall for every 4 feet it raises up).</li> <li>- Metal ladders cannot be used.</li> <li>- A ladder in a trench must be available every 25' per employee.</li> </ul>
✓	<b>Scaffolding</b>	<p>Significant and serious injuries may occur to the public and/or jobsite personnel while using scaffolding. Hazards may result from falling, inclement weather conditions, miscommunication, improper equipment use, improper PPE, incomplete THA and unqualified/inexperienced personnel.</p>	<p>Reference Red Book pg. 9 (Safety Belts, Life Lines, Railings, Etc.). Also see Section GR-20 (Scaffolds) of the APM.</p> <ul style="list-style-type: none"> <li>- Erection or dismantling of scaffolds shall be performed under the supervision and direction of a qualified person.</li> <li>- Only approved scaffolding and planking shall be used. Scaffold planks shall not be used for any other purpose. Planking shall be inspected before use.</li> <li>- Scaffolding shall be of sufficient strength and rigidity to support the weight of personnel and material to which it will be subjected.</li> <li>- All scaffold work levels 30" or higher above the ground shall have guard rail protection.</li> <li>- All scaffold work levels 6 feet or higher above the ground or floor shall have a</li> </ul>

# Outsource UCC Hazard Assessment and Safety Plan

**Environmental  
Health &  
Safety**

**Version 1  
February 14, 2020**

			<p>toe board at locations where persons are required to work or pass under the scaffold.</p>
✓	<b>Demolition</b>	<p>Significant and serious injuries may occur to the public and/or jobsite personnel while performing demolition. Hazards may result from uneven terrain, unstable soil conditions, miscommunication, improper equipment use, improper PPE, incomplete THA and unqualified/inexperienced personnel, falling objects, improper rigging, and dust inhalation.</p>	<p>Outsource employees will abide by all safety procedures, including proper PPE, use of equipment, rigging, and transporting, when performing demolition. Only qualified employees will be allowed to conduct demolition. All governing mandates will be followed and applied in the disposal of materials.</p>
✓	<b>Chipping on Encased Conduit</b>	<p>Significant and serious injuries/illnesses may occur to the public and/or jobsite personnel while chipping on encased conduit. Hazards may result from miscommunication, incomplete THA, improper PPE usage, improper equipment/tool usage, unqualified/inexperienced personnel, fire, electrocution, burns, smoke inhalation, and blast debris from the accidental contact of an energized circuit.</p>	<p>Reference Red Book pg. 59 (Chipping Procedures when Energized Cables are Present). See Outsource Respiratory Protection Program, available upon request. Also see pg. 14 (Protection from Dusts, Fumes, Vapors or Gases) in the Outsource Safety Manual.</p> <p>When service load conditions or a lack of feasible alternatives require that the cable remain energized only a Journeyman Lineman or Cable Splicer or a Qualified persons under the observance of a Journeyman Lineman or Cable Splicer may slice through or chip duct work, concrete, asphalt, or similar material under the following conditions:</p> <ul style="list-style-type: none"> <li>- The chipping or slicing is performed with the use of hand tools, such as hammer and cold chisel, with movements that could potentially penetrate the cable directed away from the cable or limited by use of tool guard to prevent contact with the cable, and non-conductive barrier is inserted (if practicable) to protect the cable from penetration once sufficient material has been broken to make that action possible, or</li> <li>- Chipping or splicing performed with power tools using the following procedures: power tools are operated in a direction away from the energized cable unless tool guards are used to prevent contact with the cable; power tools are not used within 0.5 inches of an energized cable unless tool guards to prevent contact are used; and a non-conductive protective barrier is inserted (if practicable) to protect the cable from penetration once sufficient material has been broken to make the action possible.</li> </ul>
✓	<b>Trenching/Excavation</b>	<p>Significant and serious injuries/illnesses may occur to the public and/or jobsite personnel while performing or working around trenching/excavation sites. Hazards may result from falling objects, improper equipment use, improper PPE use, improper rigging, improper soil stabilization, miscommunication, incomplete THAs, unqualified/inexperienced personnel and dust/dirt inhalation.</p>	<p>Reference Outsource HSE Manual, beginning pg. 267 (Trenching Shoring Excavations), for specific hazards and mitigations. Also see pg. 98 (Cal-OSHA Trenching Shoring Excavations). Reference GR-16 (Trenches &amp; Excavations) in the Accident Prevention Manual.</p> <ul style="list-style-type: none"> <li>- All excavation done by Outsource UCC shall conform to strict Cal-OSHA guidelines.</li> </ul>

# Outsource UCC Hazard Assessment and Safety Plan

**Environmental  
Health &  
Safety**

**Version 1  
February 14, 2020**

			<ul style="list-style-type: none"> <li>- A copy of the OSHA Trench &amp; Excavation Permit is available at Outsource UCC Headquarters.</li> <li>- Outsource UCC will never excavate without the proper Dig Alert Notifications.</li> <li>- Outsource will exercise an "All Stop" should USA markings be missing or incomplete.</li> </ul> <p><i>Critical Observable Actions include:</i></p> <ol style="list-style-type: none"> <li>1. The crew has active USA documentation on site.</li> <li>2. All utilities have marked their facilities in the previously delineated excavation area or have marked "No Conflict" prior to excavation.</li> <li>3. Utilities are hand exposed to the point of no conflict 24" on either side of the underground facility before using power equipment.</li> <li>4. Excavation is barricaded or covered to protect pedestrians and crew members.</li> </ol>
✓	<b>Foundation Drilling</b>	<p>Significant and serious injuries/illnesses may occur to the public and/or jobsite personnel while performing drilling or working around foundation installations. Hazards may result from falling objects, improper equipment use, improper PPE use, improper rigging, improper soil stabilization, miscommunication, working around overhead/underground utilities, faulty equipment, unqualified/inexperienced personnel, electrocution hazards, incomplete THAs, and dust/dirt inhalation.</p>	<p>See the National Safety Council's "Safety Around Drilled Holes – Pier and Direct Embed Foundations" regarding hazard mitigation procedures for foundation drilling.</p> <ul style="list-style-type: none"> <li>- Verify a valid USA has been conducted and all facilities are accounted for.</li> <li>- Evaluate ground conditions are safe for drilling.</li> <li>- Conduct a J TSA specific to the job.</li> <li>- Perform and document all necessary equipment inspections.</li> <li>- Properly position drill and associated equipment.</li> <li>- Prior to drilling, ensure a proper barricade or Restricted Access Zone (RAZ) is in place to ensure employee and public safety.</li> <li>- Ensure proper signage is in place to notify employees and the public.</li> <li>- Ensure proper fall protection is being used by employees.</li> <li>- Ensure the hole is properly covered when left unattended.</li> <li>- Ensure employees conducting the drilling have been properly trained and documented.</li> </ul>
✓	<b>Horizontal/ Directional Drilling</b>	<p>Significant and serious injuries/illnesses may occur to the public and/or jobsite personnel while performing horizontal/directional drilling. Hazards may result from falling objects, improper equipment use, improper PPE use, improper rigging, improper soil stabilization, miscommunication, working around overhead/underground utilities, faulty equipment, unqualified/inexperienced personnel, electrocution hazards, incomplete THAs, and dust/dirt inhalation.</p>	<p>Any horizontal drilling or boring will be subcontracted out to an ISN approved contractor.</p>

# Outsource UCC Hazard Assessment and Safety Plan

**Environmental  
Health &  
Safety**

**Version 1  
February 14, 2020**

✓	<b>Jack and Bore Operations</b>	Significant and serious injuries/illnesses may occur to the public and/or jobsite personnel during jack and bore operations. Hazards may result from noise, falling objects, improper rigging, improper soil stabilization, dirt/dust inhalation, miscommunication, incomplete THA, improper PPE usage, improper equipment/tool usage, and unqualified/inexperienced personnel.	<p>Any boring will be subcontracted out to an ISN approved contractor. See <i>Outsource HSE Manual</i>, pg. 198 (<i>Hand and Power Tools</i>) and pg. 257 (<i>Personal Protective Equipment</i>), available on ISNworld.</p> <ul style="list-style-type: none"> <li>- Moon Boots shall be worn by employees operating jackhammers, paving breakers, tampers, rotary drills, clay spades and similar impactor type tools. Appropriate foot wear (work boots) are required at all times during construction.</li> <li>- Employees conducting jackhammer operations shall be properly trained in its use.</li> </ul>
✓	<b>Hot Work (including Welding, Cutting, Grinding, etc.)</b>	Significant and serious injuries/illnesses may occur to the public and/or jobsite personnel while performing hot work. Hazards may result from the misuse/improper maintenance of equipment, improper PPE use, miscommunication, unqualified/inexperienced personnel, incomplete THA, fire, burns, cuts/scrapes, shrapnel, and smoke inhalation.	<p>Reference pg. 18 in the <i>Outsource Safety Manual (Use of Open Flames)</i> for policies and hazard mitigation in relation to Hot Work. Reference section GR-18 (<i>Welding, Metallizing, Soldering, and Use of Open Flames</i>) in the <i>Accident Prevention Manual</i>. See <i>EHS Handbook Section 8.7, pg. 14 (Hot Work)</i>.</p> <ul style="list-style-type: none"> <li>- The crew maintains adequate fire suppression equipment nearby when conducting any type of cutting or grinding.</li> <li>- The crew maintains the proper PPE for the job.</li> <li>- The crew acquires and maintains a Hot Work Permit should any type of hot work be required during a Red Flag Warning.</li> </ul>
✓	<b>Flammable/ Combustible Liquids</b>	Significant and serious injuries/illnesses may occur to the public and/or jobsite personnel while working around flammable/combustible liquids. Hazards may result from improper storage, burns, explosions, incomplete THA, and unqualified/inexperienced personnel.	<p>Reference pg. 72 (<i>Cal OSHA HAZCOM</i>) of the <i>Outsource HSE Manual</i> for various mitigation methods for flammable/combustible liquids. Also see pg. 257 (<i>PPE</i>) regarding working with such hazards. Reference PS-5 (<i>Reporting Hazards</i>) in the <i>Accident Prevention Manual</i>.</p> <ul style="list-style-type: none"> <li>- All Outsource UCC employees shall wear appropriate PPE (<i>FR clothing, Safety Glasses, Gloves</i>) when working with or near flammable and combustible liquids.</li> <li>- Outsource UCC will require that appropriate mitigations are in place (<i>Fire Extinguishers, Burn Kits, Burn Blankets, Fire Tools</i>) when working with flammable/combustible liquids.</li> </ul>
✓	<b>Bulk Fuel Storage and Transport</b>	Significant and serious injuries/illnesses may occur to the public and/or jobsite personnel while handling bulk fuel storage and transportation. Hazards may result from improper storage, improper handling, incomplete THA, and unqualified/inexperienced personnel.	<p>Any bulk fuel storage and transport will be subcontracted out to an ISN approved contractor.</p>
✓	<b>Blasting and Explosives</b>	Significant and serious injuries/illnesses may occur to the jobsite personnel while blasting and using explosives. Hazards may result from debris fallout, burns, fire, noise, smoke inhalation,	<p>All Blasting &amp; Explosives shall be conducted by an ISN approved third party. Outsource will not conduct its own blasting work.</p>

# Outsource UCC Hazard Assessment and Safety Plan

**Environmental  
Health &  
Safety**

**Version 1  
February 14, 2020**

		miscommunication, incomplete THA, improper PPE usage, improper equipment/tool usage, and unqualified/inexperienced personnel.	
✓	<b>Manual Lifting</b>	Significant and serious injuries/illnesses may occur to the jobsite personnel while performing manual lifting. Hazards may result from improper form, sprains, strains, incomplete THA, miscommunication, and unqualified / inexperienced personnel	<p>Reference pg. 21 (Lifting Material and Equipment) in the Outsource Safety Manual.</p> <ul style="list-style-type: none"> <li>- Outsource UCC employees are encouraged to stretch and incorporate proper manual lifting methods.</li> <li>- Manual Lifting is a section on the Outsource Crew Visit Form that crews are constantly reviewed and graded on.</li> </ul>
✓	<b>Material Handling &amp; Rigging</b>	Significant and serious injuries may occur to the public and/or jobsite personnel while performing material handling and rigging. Hazards may result from falls, improper rigging, unstable loads, miscommunication, incomplete THA, and unqualified/inexperienced personnel.	<p>Reference pg. 33 (Load Securing) in the Outsource Safety Manual. See Rigging Material Handling in the Outsource HSE Manual.</p> <p>Reference GR-19 (Material Handling) and (Packing, Unpacking, Storage, Loading, and Unloading of Materials) in the Accident Prevention Manual.</p> <ul style="list-style-type: none"> <li>- Outsource UCC employees are trained in rigging by one of our General Foremen who is a Certified Rigging Trainer. Roster Sheets and Trainer Cards are available at Outsource UCC Headquarters.</li> <li>- Employees need to use situational awareness and stay out of the bite.</li> </ul> <p>Critical Observable Tasks include:</p> <ol style="list-style-type: none"> <li>1. Rigging is tagged and in good condition.</li> <li>2. Rigging is sufficient for the weight of the load.</li> <li>3. The load is rigged correctly.</li> <li>4. The crew is using tag lines to control the load if applicable.</li> <li>5. Rigging is protected against sharp edges.</li> <li>6. The load is not flown over crew members, pedestrians, etc.</li> </ol>
☐	<b>Commercial Diving</b>	Significant and serious injuries/illnesses may occur to the public and/or jobsite personnel while commercial diving. Hazards may result from infectious insects, drowning, miscommunication, incomplete THA, improper PPE usage, improper equipment/tool usage, and unqualified / inexperienced personnel.	
✓	<b>Other: Source Grounding of De-Energized High Voltage Electrical Circuits</b>	Significant and serious injuries may occur to the public and/or jobsite personnel while performing source grounding of de-energized high voltage electrical circuits. Hazards may result from miscommunication, incomplete THA, improper PPE usage, improper equipment/tool usage, and unqualified/inexperienced personnel.	<p>Reference Outsource HSE Manual, pg. 9 (Assured Grounding), for hazards and procedures pertaining to grounding. See Outsource HSE Manual, beginning pg. 32 (Cal OSHA Electrical High Low - Voltage), for specific hazards and mitigations. See pg. 151 (Electrical Safety).</p> <p>See Overhead and Underground Grounding Manuals.</p> <ul style="list-style-type: none"> <li>- Outsource UCC keeps in strict adherence to the Overhead &amp; Underground Grounding Manuals.</li> <li>- Outsource employs a three-tiered system of On-Site Supervision, Off-Site Validation &amp; Training to make sure our</li> </ul>

# Outsource UCC Hazard Assessment and Safety Plan

**Environmental  
Health &  
Safety**

**Version 1  
February 14, 2020**

			<p>employees always use best practices when it comes to grounding.</p> <p>Critical Observable Actions include:</p> <ol style="list-style-type: none"> <li>1. The crew has grounded effectively per contractor grounding plan.</li> <li>2. The crew has effective Lock Out Tag Out in place (i.e. clearance).</li> <li>3. The open points are tagged.</li> <li>4. The crew has defended against backfeed and induction (i.e. open points, grounding).</li> <li>5. Equipment within the energized primary zone is barricaded.</li> </ol>
✓	<b>Other: EPZ Grounding of De-Energized High Voltage Electrical Circuits</b>	<p>Significant and serious injuries may occur to the public and/or jobsite personnel while performing EPZ grounding of de-energized high voltage electrical circuits. Hazards may result from miscommunication, incomplete THA, improper PPE usage, improper equipment/tool usage, and unqualified/inexperienced personnel.</p>	<p>Reference Outsource HSE Manual, pg. 9 (Assured Grounding), for hazards and procedures pertaining to grounding. See Outsource HSE Manual, beginning pg. 32 (Cal OSHA Electrical High Low - Voltage), for specific hazards and mitigations. See pg. 151 (Electrical Safety). See Overhead and Underground Grounding Manuals.</p> <ul style="list-style-type: none"> <li>- Outsource UCC keeps in strict adherence to the Overhead &amp; Underground Grounding Manuals.</li> <li>- Outsource employs a three-tiered system of On-Site Supervision, Off-Site Validation &amp; Training to make sure our employees always use best practices when it comes to grounding.</li> </ul> <p>Critical Observable Actions include:</p> <ol style="list-style-type: none"> <li>1. The crew has grounded effectively per contractor grounding plan.</li> <li>2. The crew has effective Lock Out Tag Out in place (i.e. clearance).</li> <li>3. The open points are tagged.</li> <li>4. The crew has defended against backfeed and induction (i.e. open points, grounding).</li> <li>5. Equipment within the energized primary zone is barricaded.</li> </ol>
<b>Health Hazards</b>			
✓	<b>Category</b>	<b>Hazard Description</b>	<b>Contractor's Mitigation Plan</b>
✓	<b>Asbestos</b>	<p>Significant and serious injuries/illnesses may occur to the public and/or jobsite personnel while handling asbestos. Hazards may result from inhalation, improper handling, miscommunication, incomplete THA, improper PPE usage, improper equipment/tool usage, and unqualified/inexperienced personnel.</p>	<p>Reference the Asbestos and Man-made Mineral Fiber Information Manual (SCE 40-40).</p> <ul style="list-style-type: none"> <li>- Outsource employees shall be trained in Asbestos Bolt Covers and the proper removal and tools needed (spray bottle, blue tarp, designated grunt sack). Any other asbestos shall be immediately reported to EHS.</li> </ul>
✓	<b>Asphalt Fumes</b>	<p>Significant and serious injuries/illnesses may occur to the public and/or jobsite personnel from the inhalation of asphalt fumes. Hazards may result from inhalation, improper ventilation, burns, miscommunication, incomplete THA, improper PPE usage, improper equipment/tool usage, and unqualified/inexperienced personnel.</p>	<p>OSHA lists health effects from exposure to asphalt fumes which include headache, skin rash, sensitization, fatigue, reduced appetite, throat and eye irritation, cough and skin cancer.</p> <ul style="list-style-type: none"> <li>- All employees will be trained in the hazards of asphalt prior to any work being performed.</li> </ul>

# Outsource UCC Hazard Assessment and Safety Plan

**Environmental  
Health &  
Safety**

**Version 1  
February 14, 2020**

			<ul style="list-style-type: none"> <li>- Asphalt poses a fire and explosion hazard. Employees shall always maintain 10lb fire extinguishers in the immediate area when working with asphalt.</li> <li>- Proper PPE shall be used by all employees including approved goggles and/or phase shield, N95 respirator mask, jump suit, and work boots.</li> </ul>
✓	<b>Carbon Monoxide</b>	Significant and serious injuries/illnesses may occur to the public and/or jobsite personnel from the inhalation of carbon monoxide. Hazards may result from inhalation, improper ventilation, miscommunication, incomplete THA, improper PPE usage, improper equipment/tool usage, and unqualified/inexperienced personnel.	<p>Reference Outsource Respiratory Protection Program. Also see pg. 14 (Protection from Dusts, Fumes, Vapors or Gases) in the Outsource Safety Manual.</p> <ul style="list-style-type: none"> <li>- When entering a confined space, all Outsource employees are required to use approved air testing devices (sniffers) and use approved air blowers.</li> </ul> <p>Critical Observable Actions include:</p> <ol style="list-style-type: none"> <li>1. The crew has performed initial testing when excavation is greater than 4 feet (or when entering a confined space) and the atmosphere is suspected of being hazardous.</li> <li>2. Vehicles are parked so that exhaust is not entering the worksite.</li> </ol>
✓	<b>Hazardous/Toxic Substances</b>	Significant and serious injuries/illnesses may occur to the public and/or jobsite personnel while handling hazardous/toxic substances. Hazards may result from improper handling, inhalation, burns, eye injuries, miscommunication, incomplete THA, improper PPE usage, improper equipment/tool usage, and unqualified/inexperienced personnel.	<p>Reference Hazardous Communication (Hazcom), pg. 209 of the Outsource HSE Manual. Reference Section 9.4 (Hazardous Materials, Handling, Storage, and Transport) of the EHS Handbook for Contractors.</p> <ul style="list-style-type: none"> <li>- Employees shall maintain all required permits, approvals, authorizations, logs reports, or notifications, and provide copies to the Utility Representative upon request.</li> <li>- Notify the Edison Rep immediately of any spills or DOT Reportable Incidents.</li> <li>- Contractor Incident Report shall apply if any spill or release occur.</li> </ul>
✓	<b>Toxic Metals (including Lead)</b>	Significant and serious injuries/illnesses may occur to the public and/or jobsite personnel while handling toxic metals. Hazards may result from inhalation, miscommunication, incomplete THA, improper PPE usage, improper equipment/tool usage, and unqualified/inexperienced personnel.	<p>Reference Hazardous Communication (Hazcom), pg. 209 of the Outsource HSE Manual. Reference Section 9.4 (Hazardous Materials, Handling, Storage, and Transport) of the EHS Handbook for Contractors.</p> <ul style="list-style-type: none"> <li>- Employees shall maintain all required permits, approvals, authorizations, logs reports, or notifications, and provide copies to the Utility Representative upon request.</li> <li>- Notify the Edison Rep immediately of any spills or DOT Reportable Incidents.</li> <li>- Contractor Incident Report shall apply if any spill or release occur.</li> <li>- Only Outsource employees trained and certified to work with toxic metals (i.e. lead removal) shall be allowed to do so.</li> </ul>
✓	<b>Noise</b>	Significant and serious injuries/illnesses may occur to the public and/or jobsite personnel from jobsite noise. Hazards may result from hearing loss, miscommunication, incomplete THA,	<p>Reference pg. 147 (Noise Exposure Noise Awareness) in the Outsource HSE Manual.</p> <ul style="list-style-type: none"> <li>- Employees shall always use hearing protection when working on or around</li> </ul>

# Outsource UCC Hazard Assessment and Safety Plan

**Environmental  
Health &  
Safety**

**Version 1  
February 14, 2020**

		improper PPE usage, improper equipment/tool usage, and unqualified/inexperienced personnel.	<i>heavy equipment, machinery, or situations where employees are exposed to levels averaging above 85 dBA per 8-hour period.</i>
✓	<b>Silica</b>	Significant and serious injuries/illnesses may occur to the public and/or jobsite personnel from inhalation of silica. Hazards may result from miscommunication, incomplete THA, improper PPE usage, improper equipment/tool usage, and unqualified/inexperienced personnel.	<p><i>Reference Outsource Respiratory Protection Program. Also see pg. 14 (Protection from Dusts, Fumes, Vapors or Gases) in the Outsource Safety Manual.</i></p> <ul style="list-style-type: none"> <li>- <i>Employees shall conform and abide by the standards set forth in OSHA regulations 1926.701 - Concrete and Masonry Construction.</i></li> <li>- <i>Employees shall employ appropriate respiratory measures (masks, breathing apparatuses) when working with or cutting concrete.</i></li> </ul> <p><i>Critical Observable Actions include:</i></p> <ol style="list-style-type: none"> <li>1. <i>The crew is controlling silica dust according to regulatory requirements.</i></li> </ol>
✓	<b>Respiratory Hazards</b>	Significant and serious injuries/illnesses may occur to the public and/or jobsite personnel from respiratory hazards. Hazards may result from miscommunication, incomplete THA, improper PPE usage, improper equipment/tool usage, and unqualified/inexperienced personnel.	<p><i>Reference Outsource Respiratory Protection Program. Also see pg. 14 (Protection from Dusts, Fumes, Vapors or Gases) in the Outsource Safety Manual.</i></p> <ul style="list-style-type: none"> <li>- <i>Outsource to provide N95 respiratory masks when the Air Quality Index rises above 150.</i></li> </ul>
✓	<b>Chromium VI</b>	Significant and serious injuries/illnesses may occur to the public and/or jobsite personnel from the ingestion of chromium VI. Hazards may result from contact with skin, nasal passages, lungs, miscommunication, incomplete THA, improper PPE usage, improper equipment/tool usage, and unqualified/inexperienced personnel.	<p><i>Reference Outsource Respiratory Protection Program. Also see pg. 14 (Protection from Dusts, Fumes, Vapors or Gases) in the Outsource Safety Manual.</i></p> <ul style="list-style-type: none"> <li>- <i>All employees will be trained in the hazards of Chromium VI prior to any work being performed.</i></li> <li>- <i>Proper PPE shall be used by all employees including approved goggles and/or phase shield, N95 respirator mask, jump suit, and work boots.</i></li> </ul>
<input type="checkbox"/>	<b>Other: _____</b>		
<input type="checkbox"/>	<b>Other: _____</b>		
<p><b>Hazards Associated with Air Operations:</b> <i>Aviation contractors shall work directly with Air Operations to provide additional program and policy documentation as needed.</i></p>			
✓	<b>Category</b>	<b>Hazard Description</b>	<b>Contractor's Mitigation Plan</b>
✓	<b>Communication with Air Ops</b>	Significant and serious injuries may occur to the public and/or jobsite personnel from the communication with air-Ops. Hazards may result from miscommunication, incomplete THA, improper PPE usage, improper equipment/tool usage, and unqualified/inexperienced personnel.	<p><i>Reference pg. 53 (Helicopter Operations), in the Outsource Safety Manual.</i></p> <p><i>Reference Section GR-15 145 (Helicopter Operation) of the Accident Prevention Manual.</i></p> <p><i>Critical Observable Actions include:</i></p> <ol style="list-style-type: none"> <li>1. <i>Pilot and crew conducted a thorough pre-flight tailboard.</i></li> <li>2. <i>Clear communication established and maintained.</i></li> <li>3. <i>Crew and pilot have established the safest path of travel.</i></li> </ol>

# Outsource UCC Hazard Assessment and Safety Plan

**Environmental  
Health &  
Safety**

**Version 1  
February 14, 2020**

✓	<b>Air-to-Ground Communications</b>	Significant and serious injuries may occur to the public and/or jobsite personnel from air to ground communications. Hazards may result from miscommunication, incomplete THA, improper PPE usage, improper equipment/tool usage, and unqualified/inexperienced personnel.	<p>Reference pg. 53 (Helicopter Operations), in the Outsource Safety Manual. Reference Section GR-15 145 (Helicopter Operation) of the Accident Prevention Manual. Critical Observable Actions include:</p> <ol style="list-style-type: none"> <li>1. Pilot and crew conducted a thorough pre-flight tailboard.</li> <li>2. Clear communication established and maintained.</li> <li>3. Crew and pilot have established the safest path of travel.</li> <li>4. Crew is wearing proper PPE for helicopter operations.</li> <li>5. The landing zone is free of loose debris.</li> <li>6. Load is rigged correctly.</li> <li>7. Pole is secured by ground crew.</li> <li>8. Crew waits until pole is at waist level before guiding.</li> <li>9. Load is confirmed free and clear before pilot climbs away.</li> </ol>
✓	<b>Air-to-Air Communications</b>	Significant and serious injuries may occur to the public and/or jobsite personnel from air-to-air communications. Hazards may result from miscommunication, incomplete THA, improper PPE usage, improper equipment/tool usage, and unqualified/inexperienced personnel.	<p>Reference pg. 53 (Helicopter Operations), in the Outsource Safety Manual. Reference Section GR-15 145 (Helicopter Operation) of the Accident Prevention Manual. Critical Observable Actions include:</p> <ol style="list-style-type: none"> <li>1. Pilot and crew conducted a thorough pre-flight tailboard.</li> <li>2. Clear communication established and maintained.</li> <li>3. Crew and pilot have established the safest path of travel.</li> <li>4. Crew is wearing proper PPE for helicopter operations.</li> <li>5. Crew and pilot have established the safest path of travel.</li> <li>6. Pilot maintains Minimum Approach Distance (MAD).</li> <li>7. Long line is of sufficient length.</li> </ol>
✓	<b>Hot Fueling</b>	Significant and serious injuries/illnesses may occur to the public and jobsite personnel while hot fueling. Hazards may result from spills, fires, miscommunication, incomplete THA, improper PPE usage, improper equipment/tool usage, and unqualified/inexperienced personnel.	Any Hot Fueling will be conducted by SCE Air Ops.
✓	<b>Aviation Fatigue</b>	Significant and serious injuries may occur to the public and/or jobsite personnel from aviation fatigue. Hazards may result from sleep deprivation, miscommunication, incomplete THA, improper PPE usage, improper equipment/tool usage, and unqualified/inexperienced personnel.	<p>Reference pg. 53 (Helicopter Operations), in the Outsource Safety Manual. Reference Section GR-15 145 (Helicopter Operation) of the SCE Accident Prevention Manual.</p>
✓	<b>Aviation Rigging Inspection</b>	Significant and serious injuries may occur to the public and/or jobsite personnel from the lack of aviation rigging inspection. Hazards may result from falls, improper rigging, unstable loads, miscommunication, incomplete THA, improper PPE usage, improper equipment/tool usage, outdated certification/test dates, and unqualified/inexperienced personnel.	<p>Reference pg. 53 (Helicopter Operations), in the Outsource Safety Manual. Reference Section GR-15 145 (Helicopter Operation) of the SCE Accident Prevention Manual. SCE Critical Observable Actions include:</p> <ul style="list-style-type: none"> <li>- Rigging is tagged and in good condition.</li> </ul>

# Outsource UCC Hazard Assessment and Safety Plan

**Environmental  
Health &  
Safety**

**Version 1  
February 14, 2020**

			<ul style="list-style-type: none"> <li>- Rigging is sufficient for the weight of the load.</li> <li>- The load is rigged correctly.</li> <li>- The crew is using tag lines to control the load if applicable.</li> <li>- Rigging is protected against sharp edges.</li> <li>- The load is not flown over crew members, pedestrians, etc.</li> </ul>
✓	<b>Human External Cargo</b>	<p>Significant and serious injuries may occur to the public and/or jobsite personnel from human external cargo loads. Hazards may result from miscommunication, incomplete THA, improper PPE usage, improper equipment/tool usage, outdated certification/test dates, and unqualified/inexperienced personnel.</p>	<p>Reference pg. 53 (Helicopter Operations), in the Outsource Safety Manual. Reference Section GR-15 145 (Helicopter Operation) of the Accident Prevention Manual. Critical Observable Actions include:</p> <ol style="list-style-type: none"> <li>1. Pilot and crew conducted a thorough pre-flight tailboard.</li> <li>2. Clear communication established and maintained.</li> <li>3. Crew and pilot have established the safest path of travel.</li> <li>4. Crew is wearing proper PPE for helicopter operations.</li> <li>5. The landing zone is free of loose debris.</li> <li>6. Load is rigged correctly.</li> <li>7. Load is confirmed free and clear before pilot climbs away.</li> <li>8. Pilot maintains Minimum Approach Distance (MAD).</li> <li>9. Long line is of sufficient length.</li> </ol>
✓	<b>External Loads</b>	<p>Significant and serious injuries may occur to the public and/or jobsite personnel from external loads. Hazards may result from miscommunication, incomplete THA, improper PPE usage, improper equipment/tool usage, outdated certification/test dates, and unqualified/inexperienced personnel.</p>	<p>Reference pg. 53 (Helicopter Operations), in the Outsource Safety Manual. Reference Section GR-15 145 (Helicopter Operation) of the Accident Prevention Manual. Critical Observable Actions include:</p> <ol style="list-style-type: none"> <li>1. Pilot and crew conducted a thorough pre-flight tailboard.</li> <li>2. Clear communication established and maintained.</li> <li>3. Crew and pilot have established the safest path of travel.</li> <li>4. Crew is wearing proper PPE for helicopter operations.</li> <li>5. The landing zone is free of loose debris.</li> <li>6. Load is rigged correctly.</li> <li>7. Load is confirmed free and clear before pilot climbs away.</li> <li>8. Pilot maintains Minimum Approach Distance (MAD).</li> </ol>
□	<b>Unmanned Aerial Vehicles (UAVs)</b>	<p>Significant and serious injuries may occur to the public and/or jobsite personnel from unmanned aerial vehicles. Hazards may result from falling debris, overhead power lines, miscommunication, incomplete THA, improper PPE usage, improper equipment/tool usage, outdated certification/test dates, and unqualified/inexperienced personnel.</p>	

# Outsource UCC Hazard Assessment and Safety Plan

*Environmental  
Health &  
Safety*

Version 1  
February 14, 2020

<input type="checkbox"/>	Other: _____		
<input type="checkbox"/>	Other: _____		

# Outsource UCC Hazard Assessment and Safety Plan

Environmental  
Health &  
Safety

Version 1  
February 14, 2020

## SECTION 4: CONTRACTOR SAFETY RESPONSIBILITIES

*Contractor shall describe assigned safety roles and responsibilities of key personnel.*

TITLE	SAFETY RESPONSIBILITIES
VP of Safety & Compliance	Responsible for the overall Safety Department for Outsource UCC. Overall duties include developing and implementing all safety programs, all reporting regarding safety and compliance, managing the Field Observation Program, accident & incident investigations, and organizing and running safety trainings & certifications.
Safety Manager	Responsibilities include assisting in developing and implementing safety programs, accident & incident investigations, tool management & compliance, safety meetings & crew visits, fleet management, and tracking trends and goals.
Safety Supervisor	Primary responsibilities include documented crew visits & audits, assisting in accident/incident investigations, compliance management, fleet services support, and safety training.
Superintendent	Responsible for all electrical employees in the field. Duties include on-site supervision, documented crew visits, field worker safety, trainings, morale, and ensuring that all employees are complying with company safety policies.
General Foreman	Responsibilities include laying out the job in the most efficient and safe manner, assisting in scheduling, job management, fleet management, and safety meetings and trainings.
VP of Operations	Works directly with VP of Safety, Superintendents and General Foremen to ensure compliance between all parties. Acts as the direct liaison between the Utility and Outsource to ensure schedules and reporting are on time and up to specifications.
Chief Executive Officer	Responsible for the overall direction and operation of the company. Maintains in constant contact with Management to ensure that all expectations are met, and the company operates in a timely and safe manner.

## SECTION 5: SAFETY REPRESENTATIVES AND KEY PERSONNEL

*Contractor shall include name and contact information for contractor safety representatives and key personnel.*

TITLE	NAME	CELL NUMBER	EMAIL ADDRESS
VP of Safety & Compliance	Jack Crabbs	714-458-9959	<a href="mailto:jack@outsourceucc.com">jack@outsourceucc.com</a>
Safety Manager	Mike Hernandez	951-370-3673	<a href="mailto:mhernandez@outsourceucc.com">mhernandez@outsourceucc.com</a>
Safety Supervisor	Brian Coin	951-202-9148	<a href="mailto:bcoin@outsourceucc.com">bcoin@outsourceucc.com</a>
Safety Supervisor	Chuck Friddle	714-609-0987	<a href="mailto:cfriddle@outsourceucc.com">cfriddle@outsourceucc.com</a>
Superintendent	Neil Garney	928-542-1543	<a href="mailto:ngarney@outsourceucc.com">ngarney@outsourceucc.com</a>
Superintendent	Austin Arlt	530-276-1387	<a href="mailto:aarlt@outsourceucc.com">aarlt@outsourceucc.com</a>
General Foreman	Shane Sullivan	951-847-0840	<a href="mailto:ssullivan@outsourceucc.com">ssullivan@outsourceucc.com</a>
General Foreman	Carlos Gonzalez	714-323-9194	<a href="mailto:cgonzalez@outsourceucc.com">cgonzalez@outsourceucc.com</a>
General Foreman	Lewis "Spike" Parry	509-767-7475	<a href="mailto:lparry@outsourceucc.com">lparry@outsourceucc.com</a>

# Outsource UCC Hazard Assessment and Safety Plan

**Environmental  
Health &  
Safety**

**Version 1  
February 14, 2020**

General Foreman	Alfred Martinez	714-473-1555	<a href="mailto:amartinez@outsourcucc.com">amartinez@outsourcucc.com</a>
General Foreman	Jeremy May	951-532-8445	<a href="mailto:jmay@outsourcucc.com">jmay@outsourcucc.com</a>
VP of Construction	Frank Farwell	818-219-9632	<a href="mailto:ffarwell@outsourcucc.com">ffarwell@outsourcucc.com</a>
VP of Operations	Kylee Cookenmaster	714-458-7754	<a href="mailto:kcookenmaster@outsourcucc.com">kcookenmaster@outsourcucc.com</a>
Chief Executive Officer	Matt Bates	310-490-0108	<a href="mailto:matt@outsourcucc.com">matt@outsourcucc.com</a>

# Outsource UCC Hazard Assessment and Safety Plan

Contractor  
Safety  
Management

Version 1  
March 1, 2019

## SECTION 6: SUBCONTRACTOR MANAGEMENT

Contractor shall List all Safety Tier 1 and Tier 2 Subcontractors used below.

COMPANY NAME	SCOPE	TIER	ISN GRADE	ISN ID#	CONTACT NAME	CONTACT PHONE

In the space below, describe the process and approach for managing all Subcontractors.

No Subcontractors are currently used by Outsource

# Outsource UCC Hazard Assessment and Safety Plan

**Contractor  
Safety  
Management**

**Version 1  
March 1, 2019**

## SECTION 7: TAILBOARD PROTOCOL

*In the space below, Contractor shall describe the procedures for completing tailboards. Discuss risk factors and documentation requirements. Include checklists or templates you will use for this protocol as an attachment to this Plan. Refer to the EHS Handbook for Contractors, Section 4.0 for greater detail.*

See Attachment

## SECTION 8: COMPETENT/QUALIFIED PERSONNEL

*Contractor shall identify required competent persons, licenses and certifications maintained by Contractor and Subcontractor employees pursuant to this Scope of Work. This should include things such as certifications/licenses for crane/forklift/aircraft, asbestos mitigation, soils competent person, etc. Attach supporting documents if needed.*

ROLE/CERT.	✓	CONTRACT EMPLOYEE NAME(S)	EXPIRATION DATE
OSHA Trainer	✓	Jack Crabbs	9-26-2022
CPR/First Aid Instructor	✓	Jack Crabbs	10-26-2020
Qualified Signal	✓	Larry Lopez	No Exp.
Qualified Rigger	✓	Larry Lopez	No Exp.
Industrial Powered Truck	✓	Larry Lopez	No Exp.
Helicopter Safety Trainer	✓	Larry Lopez	No Exp.
Certified Crane Operator	✓	Jeremy May	N/A
Certified Crane Operator	✓	Mike Hernandez	N/A
Certified Crane Operator	✓	Neil Garney	7-31-2021
	<input type="checkbox"/>		
	<input type="checkbox"/>		
	<input type="checkbox"/>		
	<input type="checkbox"/>		

# Outsource UCC Hazard Assessment and Safety Plan

Contractor  
Safety  
Management

Version 1  
March 1, 2019

	<input type="checkbox"/>		
	<input type="checkbox"/>		
	<input type="checkbox"/>		
	<input type="checkbox"/>		
	<input type="checkbox"/>		

## SECTION 9: REQUIRED PERSONNEL PROTECTIVE EQUIPMENT (PPE)

Contractor shall describe what PPE items are used and when workers are required to use each. Make reference to Contractor policies supporting these requirements.

✓	ITEM	DESCRIPTION
✓	(Example: Fall Protection)	(Example: 100% fall protection/restrict equipment required when climbing above 4 feet on wood poles or towers.)
✓	Head Protection	Hard hats to be worn 100% while in the work zone.
✓	Face Protection	Face shields shall be worn when the Arc Flash rating calls for 12 calorie.
✓	Eye Protection	Safety Glasses to be worn 100% while in the work zone.
✓	Hand Protection	Work gloves to be worn 100% while in the work zone.
✓	Hearing Protection	Hearing protection to be used when noise levels are >85 dBA.
✓	Leg Protection (chainsaw chaps and snake guards)	Snake guards to be used in tall brush where snakes are known to be present.
✓	Fall Protection	100% fall protection/restrict equipment required when climbing above 4 feet on wood poles or towers, and when in the bucket.
✓	Foot Protection	Approved work boots to be worn 100% while in the work zone.
✓	AR/FR Clothing	Appropriate level calorie clothing to be worn in accordance with Outsource Arc Flash Regulation Program.
✓	Rubber Gloves	Appropriate Class rubber gloves to be used 100% when in MAD of the Primary Zone.
✓	High Visibility Clothing	Approved high-visibility clothing to be worn 100% when working in or near traffic (Traffic control personal shall always wear Class III high-viz).
✓	Respiratory Protection	Please see Outsource UCC Respiratory Protection Program.
✓	Barricades and Signs	All barricades and signage shall strictly conform with the California Temporary Traffic Control Handbook.
✓	Personnel Flotation Devices	All Employees shall be in possession of a personal flotation device when working above or directly near water.
<input type="checkbox"/>	Other: _____	

# Outsource UCC Hazard Assessment and Safety Plan

Contractor  
Safety  
Management

Version 1  
March 1, 2019

<input type="checkbox"/>	Other: _____	
<input type="checkbox"/>	Other: _____	

## SECTION 10: EMERGENCY ACTION PLAN

Contractor shall identify hospitals in the region, describe evacuation considerations/steps, and describe inclement weather procedures/policies. Identify first responders and how they are to be contacted. Include maps/directions and any other details as appropriate. **Note: This information should be posted where it can be easily accessed by all workers.**

Tehachapi		Kernville	
Name:	Adventist Health	Name:	Kern Valley Healthcare
Address:	1100 Magellan Dr, Tehachapi 93561	Address:	6412 Laurel Ave, Mountain Mesa, 93240
Phone #:	661-823-3000	Phone #:	760-379-2681
Hours of Service: *	24	Hours of Service:	24
Kern County Fire Station 12	911 or 661-822-5533	Kern County Fire Station 72	911 or 760-379-2626
Ridgecrest		Bishop	
Name: *	Ridgecrest Regional Hospital	Name:	Northern Inyo Hospital
Address:	1081 N China Lake Blvd, Ridgecrest 93555	Address:	150 Pioneer Ln, Bishop, 93514
Phone #: *	760-446-3551	Phone #:	760-873-5811
Hours of Service: *	24	Hours of Service: *	24
Kern County Fire Station 74	911 or 760-375-8466	Bishop Fire Department	911 or 760-873-5485
Mammoth			
Name:	Mammoth Hospital	Name:	
Address:	85 Sierra Park Rd, Mammoth Lakes 93546	Address:	
Phone #:	760-934-3311	Phone #:	
Hours of Service: *	24		
Mammoth Lakes Fire Department	911 or 760-934-2300		
<b>First Aid Kit Location(s):</b>	All trucks		
<b>AED Location(s):</b>	All crews		
<b>Fire Extinguisher Location(s):</b>	All heavy trucks		
<b>SDS Location(s):</b>	All crews		

# Outsource UCC Hazard Assessment and Safety Plan

**Contractor  
Safety  
Management**

**Version 1  
March 1, 2019**

**CPR Certified (who?):**

*Contractor shall specify how workers are trained and expected to respond to emergency situations. Consider workers located at normal routine work locations as well as changing/remote locations. Be sure to describe rally points, communication plans, and the means to account for the wellbeing of all workers.*

**All members of crew**

**SECTION 11: JOBSITE COMMUNICATIONS**

*Contractor shall describe different methods of communicating to workers (verbal, electronic, written, satellite, radio, GPS, etc.). Provide information on how teams are to stay in contact. Provide primary and secondary methods of communication (example: where no cell service is available).*

<b>COMMUNICATION METHOD</b>	<b>DESCRIPTION AND CIRCUMSTANCES FOR USE</b>
<b>Stop Work Policy</b>	At any time during a job, any employee that feels a condition has become unsafe for themselves, other crew members, or the general public, an "ALL STOP" call can be made. The All Stop can be shouted vocally or made through radio communication. All work must completely cease until corrections have been made to make the situation safe. A new Tailboard Meeting must also take place, with all new hazards identified and mitigated before any work can resume on the job site.
<b>Tailboard Communication</b>	A written Tailboard must be made and discussed before work takes place, or when any part of the scope of the job has changed. All employees must take part in, and fully understand, the information stated on the Tailboard. Outsource UCC policy requires the foreman to always leave the Tailboard on the dash of his foreman truck so that any employee can always have easy access to it.
<b>Radio Communication</b>	Every crew will have four, 4-way radios so that each crew member will have access to radio communication. During heavy machinery and equipment operation, it is imperative that each crew member be alerted during an emergency or an All Stop. All employees are also encouraged to use the "Repeat Back" method of communication.
<b>Photo Communication</b>	All job sites will be heavily photographed with before and after pictures. Photographs are important should any claims arise during the course of work, as

# Outsource UCC Hazard Assessment and Safety Plan

**Contractor  
Safety  
Management**

**Version 1  
March 1, 2019**

	well any questions as to whether USAs were properly marked. All photos will be uploaded to Outsource UCC's company database for easy access.
<b>Sign Communication</b>	All hazards identifiable with signage shall be marked (Open Trench, Men Working, Sidewalk Closed, LOTO, etc.). All signage requirements shall be held to strict Federal and State guidelines. Should a situation be recognized where signage is inadequate, an All Stop shall be issued until the signage is posted.

# Outsource UCC Hazard Assessment and Safety Plan

**Contractor  
Safety  
Management**

**Version 1  
March 1, 2019**

## **SECTION 12: ADDITIONAL INFORMATION AND SAFETY PLAN DETAILS**

*Contractors shall use this section as needed to identify other procedures not already covered in this template and list other resources (programs, plans, etc.) that help provide hazard mitigation and safety planning.*

# Outsource UCC Hazard Assessment and Safety Plan

Contractor  
Safety  
Management

Version 1  
March 1, 2019

## SECTION 13: CERTIFICATION

By signing this document, the **Contractor Representative**, as an authorized representative of Outsource UCC (Contractor company), affirms that he or she understands the items contained in the Contractor Hazard Assessment and Safety Plan and will ensure compliance with the requirements and mitigation of the identified hazards.

### Contractor Representative:

(Printed Name): Jack Crabbs

(Signature):

Date:

By signing this document, the **Utility Representative** affirms that he or she reviewed this document with the Contractor Representative.

### Utility Representative:

(Printed Name):

(Signature):

Date: