OG'E Contractor Reference Guide



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Contractor Reference Guide

Introduction

The purpose of this document is to inform contractors of OG&E minimum safety requirements for performing specific tasks and/or using specific equipment. When performing work for OG&E, contractors and subcontractors must follow their own process/procedures that meet or exceed OG&E requirements as listed in this document, unless otherwise specified.

Everyone has the right and responsibility to stop or place a hold on an operation immediately if concerned about health or safety hazards. This right comes with the understanding that such action will not result in repercussions.

Eight Life-Saving Rules

OG&E has established 8 life-saving rules to protect the lives of individuals who perform work for OG&E. OG&E expects contract personnel to follow these 8 life-saving rules. Any contractor who intentionally violates one of these rules may be asked to leave the facility/work location immediately.

- 1. The use of electronic devices is prohibited while operating vehicles and equipment on OG&E property.
- 2. Follow procedures for grounding of lines and equipment.
- 3. Follow procedures for wearing fall protection equipment.
- 4. Follow confined/enclosed space procedures.
- 5. Follow procedures for utilizing safety guards and mechanisms on tools, equipment, and machinery without bypassing, disarming, or otherwise tampering with safety guards, mechanisms, devices, and/or equipment.
- 6. Follow procedures for permitting, clearances, and lockout/tagout.
- 7. Follow trenching and shoring procedures.
- 8. Follow procedures for approach distances to energized conductors and equipment.

Safety Principles

- Safety is a value
- All incidents and injuries are preventable
- Working safely is a condition of employment
- Management will be a safety role model
- OG&E will partner with contractors to excel in safety performance
- All contractors are expected is promptly stop and report unsafe acts and conditions that they observe
- Living safely requires a personal decision and commitment to be constantly engaged

Accounting for Personnel, Prior to Energizing or Re-energizing Lines or Equipment

All persons in charge of line and equipment clearances must notify all affected employees prior to releasing clearances and energizing or re-energizing lines or equipment. Persons in charge must ensure all employees are clear of hazards before energizing any line or equipment. Below are the proper procedures for accounting for all persons prior to energizing lines or equipment.

Preferred Method: Prior to releasing clearance or energizing lines or equipment, the person in charge must have all affected employees gather in a designated area. The person in charge must physically verify that all persons are accounted for and are clear of hazards. The job briefing must be used to ensure that all persons listed on the briefing form have been identified, notified, and are clear from hazards.

Alternate Method: If it is not feasible to have all employees gather in one designated location prior to releasing clearance and energizing lines or equipment, the employee in charge must verify through radio or telephone that all affected employees are notified, identified, and are clear from hazards prior to releasing clearance or energizing lines or equipment. The job briefing form must be used to verify that each employee listed has identified themselves as being clear of hazards. When this method is used, the employee in charge must use 3-part communication and directly speak to each employee to ensure they understand the line or equipment is about to become energized and that the person is clear from hazards. Each employee must identify themselves by name and state their location.

3-part communication:

- 1. The initiator must issue the communication in a clear, concise, and definitive manner.
- 2. The recipient of the communication must acknowledge the response as correct by repeating the original statement to resolve any misunderstanding:
 - If the recipient does not understand the communication, then he/she must ask initiator for clarification
- **3.** The initiator must acknowledge the original statement as correct or repeat what the recipient has stated to resolve any misunderstanding:
 - If the message is not understood the initiator must indicate that the message is not understood, and the three-part communication process must start over

Asbestos

Some OG&E locations may have active asbestos work occurring; such areas must be barricaded and labeled "DANGER ASBESTOS". In addition, plant areas may contain other asbestos containing materials (ACM), including but not limited to the following:

- Electrical wiring/cable trays
- Floor Tile
- Gasket material
- Insulation
- Transite
- Blackboards
- Handle asbestos only if trained and qualified to do so.
- Follow the OG&E established asbestos identification method for piping:
- Red band indicates asbestos containing material is present

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- Blue or Green band indicates no asbestos containing material (ACM) is present
 - For non-labeled piping, assume ACM material is present until other tested and reclassified

Barricades

Barricades are required when necessary to warn and protect personnel against obvious and hidden hazards and may be required on multiple levels. Barricade tags are required. Tags must hang prominently in all locations where entry into the barricaded area is possible and must indicate the nature of the barricaded hazard, the name and contact information of the barricade erector, and the date erected. Remove barricades when no longer needed to identify a hazard.

Barricade tape requirements:

Туре	Description
Caution	A hazard that can potentially cause minor to moderate personal injury. A caution hazard requires personnel to increase their situational awareness while operating within the area surrounded by the barricade.
	 Personnel may cross a caution barricade only after: Reviewing the hazard existing within the area designated, as indicated on the barricade tag, and then taking all appropriate precautions to protect against the hazard
	Or
	 Receiving a briefing from the barricade erector about the existing hazard, and then taking all appropriate precautions to protect against the hazard

Description
A high-risk hazard that can potentially cause severe personal injury or death. A danger hazard requires a barricade to reduce instances of exposure by restricting access to the hazard and surrounding area.
 Personnel may cross a danger barricade only after contacting the individual responsible for erecting the barricade and completing all the following: Informing the barricade erector of the reason for entry Determining if entry is both necessary and critical Reviewing the specific hazard within the area Identifying and implementing the precautions necessary to protect against the hazard Reviewing the tasks to take place within the area Receiving verbal permission to enter from the barricade erector
A hazard created using a portable radioactive source, such as a device used for radiography, or the existence of an exposed fixed radioactive source that prohibits entry into the area identified by barricade. Signs with the universal radiation symbol must be displayed on all sides of the

Approved Barricade Materials

- When barricade tape or rope use is not feasible, a combination of two or more safety cones or portable A-frame signs can serve as a minimal means of barricading to identify and establish a boundary for caution hazards only
- Cones must be at least 24" tall. Cones and A-frames must be positioned in a manner that clearly identifies the hazardous area.
- Rope or tape used as a barricade must be positioned approximately 40" above the ground to prevent accidental crossing and so that an individual reaches the rope or tape prior to becoming exposed to the hazard
- Barricade rope is a non-conductor and may be installed near energized conductors, if the installation does not involve hazards

Beryllium

Contractors who perform work with or around materials containing beryllium (including but not limited to bottom/fly ash), must have an established Beryllium Safety Program that meets the OSHA requirements in 1926.1124 and 1910.1024. This program must include a process/procedure for identifying existing and foreseeable beryllium hazards in the workplace, and an exposure control plan that identifies engineering controls, work practices, and respiratory protection/PPE to protect contractors, as well as housekeeping measures and procedures that will be used to restrict access to work areas and minimize exposure to other contractors and/or OG&E members in the area.

Note: Contractors must not rotate workers to different jobs to achieve compliance with the permissible exposure limit.

For Power Supply contractors, a minimum of a Beryllium Awareness program is required.

Clearance

Clearance procedures are intended to assure a completely reliable de-energization, assure an adequate locking, blocking, and tagging system, safeguard personnel against occasional mental lapses, and guard against heedless, unauthorized re-energizations.

An Operating Clearance is required whenever an energized line or device, under the jurisdiction of an Operating Authority, is temporarily de-energized for work that will require intentional personal contact, or work that could breach minimum approach distance to normally energized high voltage parts by unprotected personnel when boundaries can be clearly established and maintained.

- A clearance must be obtained for:
- All de-energized work on any feeder exit (under Operating Authority jurisdiction) to the first disconnect or open jumpers
- All work on transmission lines and substations connected to or near an established system energy source
- On jobs outside the above criteria, the Operating Authority will be responsible for determining if a clearance is warranted per job scope
 - A clearance holder will be designated to be responsible for the clearance for the entire job. This clearance holder must be the only person communicating with the Operating Authority and must ensure that no one initiates action to re-energize the lines or equipment at a point of disconnection until all protective grounds have been removed and all personnel are clear of the lines and equipment.
- **Note:** The clearance holder will complete the Clearance Holder Report, form #9000135, to ensure procedures are correct in the field. The Clearance Holder Report must be retained by contractor supervision for 60 days after the clearance is returned.

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- A clearance is an exclusive agreement between an Operating Authority, or delegated agent, and another person. If the clearance holder wishes to transfer responsibility for work being done to another person, that person must request and receive a new clearance, with a new clearance number, from the Operating Authority. The new clearance must be supported by the same request data as the original.
- If the clearance holder must transfer the clearance due to an extended absence, the clearance holder (or their supervisor in emergency situations) must notify the appropriate Operating Authority to transfer the clearance to another designee and all personnel working within the clearance must be notified of the transfer.
- Note: The new Clearance must be issued before the old Clearance is returned, otherwise all tags must be replaced.
 - Each clearance must be returned by the person to whom it was issued by means of direct and intelligible communication with the Operating Authority, or delegated agent, who issued it. The person returning the clearance must be identified by name and clearance number.
 - Multiple crews may work under the same clearance only on jobs where all crews are working
 in a coordinated manner to accomplish a task within the same boundaries. A single job chief
 must be designated to have sole control of the work and must coordinate the activities of all
 crew members regarding clearance boundaries. The job chief must maintain effective visual
 or verbal (e.g., phone, radio) communications with all crews to ensure no one initiates action
 to re-energize the lines or equipment. The job chief must conduct a tailboard with all the
 employees involved before they start work to ensure all personnel understand the scope of
 work and the location of all established boundaries. If these requirements cannot be met,
 each crew must obtain a separate clearance.

Tagging for Clearance

The presence of a hold tag does not guarantee a clearance has been issued for the specified boundaries. Work must not be done under the assumption that a hold tag which indicates a boundary is part of an active clearance.

- Tagged Equipment to be permanently removed:
 - If primary connection is removed and there is no way to re-energize, communicate equipment removal with Operating Authority. Because the clearance boundaries will change, a new clearance must be established (if clearance is still needed) and the old clearance must be returned.
- On a common boundary between two Operating Authorities, the common boundary must be tagged for both clearances. A common boundary must have a tag associated with each section to be cleared.

Compressed Gas Cylinders

Hazards associated with compressed gases include oxygen displacement, fires, explosions, and toxic gas exposures, as well as the physical hazards associated with high pressure systems. Special storage, use, and handling precautions are necessary to control these hazards. Carelessness, abuse, and complacency can result in disaster.

Storage of Cylinders

- Cylinders must always be secured to a fixed location a wall, work bench, etc.
- Cylinders must be secured at a point approximately 2/3 of its height, using appropriate material chain, plastic coated wire cable, commercially available cylinder straps, etc. No 9 wire or cotton/synthetic cordage
- Do not store gas cylinders in public hallways, beneath egress stairways or other unprotected areas
- Cylinders must be secured individually, i.e., one restraint per cylinder
- Cylinders should be segregated in hazard classes while in storage, at the minimum, oxidizers (such as oxygen) must be separated from flammable gases
- Empty cylinders should be isolated from filled cylinders

Before Use

- Make sure the cylinder is equipped with the correct regulator
- Always use the regulator designed for the material in use, and be especially careful that under no circumstances is grease or oil used on regulator or cylinder valves because these substances may cause an adverse, dangerous reaction within the cylinder
- Place the cylinder so that the valve handle at the top is always easily accessible
- Open the valve slowly and only with the proper regulator in place the valve should be opened all the way
- Never leave a valve part way open either open it all the way or close it all the way
- The valve should never be left open when equipment is not in use, even when empty; air and moisture may diffuse through an open valve, causing contamination and corrosion within the cylinder.

During Use

- Never heat the cylinder to raise the pressure of the gas this may defeat the safety mechanisms built in by the supplier
- Keep the cylinder clear of all sparks, flames, and electrical circuits. Do not use oxygen in place of compressed air.
- Do not use copper fittings or tubing on acetylene tanks explosion may result
- Wear PPE appropriate for the hazard potential of the material being worked with

Transporting Cylinders

- When not in use the valve protection cap must be in place to protect the valve
- Never drag, slide, or roll the cylinder get a cylinder cart or truck and use it!
- Keep the protective cap covering the valve never transport with the regulator in place
- Make sure the cylinder is secured to the cart during transport

Confined Space

- All confined space entries will be coordinated through the OG&E contact
- Contractors are expected to have an established Confined Space Entry procedure. These procedures must be explained and expressed before work begins.

- Contractors must provide their own air monitoring equipment when performing confined space entries. Contractors who do not have their own air monitoring equipment must request approval from site management to use OG&E owned air monitoring equipment.
- Contractor personnel involved in confined space entries must have completed training for performing the assigned work and must fully understand the hazards present in the space they must enter
- Contractors must provide their own rescue services. Contractors who do not have their own rescue services must request to use the OG&E's rescue services by doing the following:
- Obtain form 9000107: Contractor Request for OG&E Confined Space Rescue Services from the assigned OG&E contact
- Submit form 9000107 for review and approval at least 48 hours in advance of performing work
 - Consider every OG&E confined space to be permit required until the pre-entry assessment has been performed and the space has been reclassified as non-permit required

Consecutive Work Hours

OG&E recommends that contractors not work more than 13 consecutive days or over 16 hours within a 24hour period without notifying OG&E prior to exceeding 16 hours. If a contractor works more than 16 hours within a 24-hour period, a rest period of at least 6 hours is recommended before the contractor can return to work.

Cranes (Mobile & Overhead)

- Contractors are not authorized to use OG&E mobile cranes. Contractors may use overhead and gantry cranes with permission from the applicable site authority.
- All mobile crane operators must have completed training and received certification from a recognized certification body, such as NCCCO or NCCER, or via an approved and recognized employer certification program
- Contractors may use overhead and/or gantry cranes only if they have satisfied the requirements of 9000118: Contractor Verification for Use of Overhead Hoists and Gantry Cranes
- All cranes performing work for or on the property of OG&E must have the annual inspection visually verified that it is current
- Note: The use of equipment to hoist employees is prohibited except where the employer demonstrates that the erection, use and dismantling of conventional means of reaching the work area, such as a personnel hoist, ladder, stairway, aerial lift, elevating work platform, or scaffold, would be more hazardous, or is not possible because of the project's structural design or work site conditions.

Verbal Lift Plan

Verbal lift plans are appropriate for lifts that are routine and have the following characteristics:

- Center of gravity is known
- Lift attachment points are located above the center of gravity
- Rigging configurations where slings are greater than a 30-degree angle from horizontal
- The load is easy to balance and secure
- The use of one crane or one hook on the same crane is utilized

The following list outlines individual requirements for verbal lift plans:

- Discuss roles and responsibilities
- Ensure rigging hardware is appropriate for lift
- Ensure no additional technical assistance is required to safely perform lift

Written Lift Plan

Written lift plans are required for all critical and engineered lifts and in the following situations:

Note: Contractors will have a written lift plan available when performing work that meets the criteria in this section.

- Where failure could cause high-value damage
- When long lead times are required to procure items
- When significant impact to plan operations may occur
- When lift attachment points are located below the center of the load
- When the load is difficult to balance or secure
- Where rigging configurations are such that the slings are less than a 30-degree angle from horizontal
- When load handling is difficult and requires emphasis on crane operating skills and experience
- When the load requires exceptional care and handling or other unusual factors

Ensure the following lift plan requirements are met:

- Outline roles and responsibilities
- Calculate stress loads on rigging hardware
- Indicate attachment point locations/dimensions

Signal Person Requirements

A signal person is required for crane operation when:

- The operator does not have full view of the load placement area
- The lift requires traveling and the direction of travel is obstructed
- Either the operator or the person handling the load determines a signal person is necessary

Rigging and Equipment Requirements

- Contractor personnel must have completed proper training to perform applicable rigging operations
- Complete a pre-use inspection of equipment before performing any rigging operation
- Adhere to an established process for performing and documenting periodic inspections of all rigging equipment

Elevated Work

Contractors must adhere to the following requirements when working from an elevated position:

- When contractors are working from an elevated position or a level where they do not have immediate control of the area beneath them they must use tethers, floor coverings, handrail enclosure material (netting) or any combination of these control methods to prevent dropped objects from causing injury to personnel below
- Immediate control of an area is achieved if one of the following conditions is met:
- The contractor performing the work has a 360-degree line-of-sight around their work area sufficient to identify unauthorized individuals who may potentially attempt to enter the area and the ability to communicate with such individuals to prevent entry
- A spotter is in a safe position and can prevent access to the work area
- A danger barricade is used that complies with the barricading requirements
 - Many factors must be considered in the determination of the appropriate size of area to barricade when using a danger barricade to protect against potential falling objects, such as the object size, shape, weight, fall distance, and deflection. The requirements listed below are minimum barricade requirements. The specific factors of potential dropped objects should be considered and, if appropriate, the barricade area expanded.
- For areas where the possibility of deflection does not exist, the barricade radius shall be no less than ½ the distance of the potential fall
- For areas where the possibility of deflection does exist, the barricade radius shall be 2 times (double) the distance of the potential fall (if not feasible, contact project management)

Dropped Objects

In all industries, dropped objects account for 35% of all safety related incidents and 80% of High Potential Incidents. Even a small object falling from height can result in disability or fatality. The consequences of a Dropped Object can include:

- Personnel Injury/Death
- Damage to Equipment
- Structural Damage Environmental Damage

- All tools utilized by a contractor working at heights higher than four feet are required to be tethered.
- Any object weighing more than 5 lbs. must be tethered to a fixed object and not to the contractors' body.

Emergency Action Plans

Contractor personnel must adhere to an established Emergency Action Plan (EAP) that includes the following, at a minimum:

- Tornado shelter locations
- Note: For situations in which OG&E does not provide severe weather shelter for contractor personnel, the EAP must include a plan for shutting down operations and exiting a work location when hazardous weather conditions are within the vicinity.
 - Evacuation assembly areas
 - Emergency contact numbers
 - Medical facility locations and contact numbers
 - Helipad/Landing zone GPS coordinates if available

Site Specific Safety Plan

Note: Contractors must provide a site-specific safety plan if the requirement is listed in the contract terms and conditions.

The contractor site-specific safety plan must include the following, at a minimum:

- Emergency Action Plan
- Project-specific safety processes/procedures contract personnel will follow
- Project-specific forms/permits contract personnel will use

Facility Orientation

Contractors must comply with any established facility and/or work location safety orientation before beginning work at that location.

Safety orientation at each location will include:

- General safety processes and procedures
- Emergency action plans
- System information, characteristics, and conditions (i.e. type of environment the contractor is working in)
- Designated smoking areas
- Certified badging for certificates and training

All contractors who have not completed a safety orientation must be accompanied by an OG&E Member upon entering an OG&E facility.

Fall Protection

All personnel must maintain 100% tie-off always when criteria require the use of fall protection or when on walking/working surfaces that have holes through which an individual could potentially fall.

- All contractor "at-risk workers" (personnel exposed to falling from heights hazards) must have completed proper training
- Use fall protection measures when conducting activities on a walking/working surface (horizontal or vertical) within 6 feet of an unprotected side or edge located 4 feet or more above a lower level
- Use fall protection equipment when 4 feet or above on a ladder without enclosures and unable to maintain three points of contact
- Perform a documented annual inspection on all fall protection equipment
- Adhere to an established process/procedure for approving anchorage points used for attaching personal fall arrest systems

Grounding Vehicles and Equipment

Any contact between materials or equipment mounted on or connected to a vehicle and an electrically energized item creates a hazard to personnel in the vicinity. Proper grounding of vehicles and equipment reduces the hazard from such contact by causing protective equipment to function (breakers and/or fuses to open) and by reducing the voltage that can exist between the vehicle bed and ground. However, extremely hazardous voltages can still exist between the vehicle (or equipment connected to it) and ground even with the most adequate grounding connection possible. It is important that all personnel in the vicinity avoid contact from ground to vehicle during any part of an operation in which there is a possibility of contact with an energized item.

Therefore, all vehicles and equipment must be grounded to the system neutral. If it is unsafe or impossible to use the system neutral, the following options apply:

- 1. All contractors must follow OSHA grounding procedures (1926.961 and 1926.962). If any concerns arise, contact OG&E representative for clarification.
- 2. The pole ground may be used as a point of attachment after verifying secure connection to the system neutral.
- 3. If the pole ground cannot provide a safe connection to the system neutral, barricade the vehicle as a visual indication of a potential hazard.

Grounding Vehicles and Equipment during Substation Work

- When aerial vehicles and equipment are positioned and used within the confines of a substation ground grid, firmly connect this equipment to the substation ground grid with No. 2, covered, single conductor cable, with screw-on clamps on each end
- When non-aerial vehicles and equipment are positioned and used within the confines of a substation ground grid and electrically connected to the substation, connect them to the grid by using ½" wide copper braid jumper, or larger copper cable, with screw-on clamps on each end

• All personnel should avoid contact with the vehicle or equipment during any operation where electrical contact is possible. The vehicle or equipment should be considered as energized

Note: Special ground precautions for mobile substations and mobile transformers are covered in the Mobile Substation procedures.

• When operating an aerial device near an energized area, remain on the vehicle or equipment.

Hand and Power Tools

Tools and equipment shall be kept in safe condition. The following requirements help prevent hazards associated with the use of hand and power tools:

- Keep all tools in good condition with regular maintenance
- Use the right tool for the job
- Inspect each tool for damage before use
- Never use damaged tools take damaged tools out of service immediately
- Operate tools according to the manufacturers' instructions
- Do not bypass safety devices and/or features
- Use the proper personal protective equipment (PPE)
- Ensure pneumatic tools are fastened securely to the air hose to eliminate disconnection

Note: Operators of powdered actuated tools must be certified. Documentation must be available upon request.

The exposed moving parts of power tools shall be guarded. Safety guards must never be removed when a tool is being used. Belts, gears, shafts, pulleys, sprockets, spindles, drums, flywheels, chains, or other reciprocating, rotating, or moving parts of equipment must be guarded. Machine guards must be provided to protect the operator and others from the following:

- Point of operation
- In-running nip points
- Rotating parts
- Flying chips and sparks

Hazardous Chemicals

Contractors must be informed of all known chemical hazards they may encounter while working on behalf of OG&E. Contractors are required to make themselves and their personnel familiar with and abide by the following:

- The labeling system used for hazardous chemicals
- The measures to use for protection against exposure
- The processes involving hazardous chemicals(s) use
- The safe chemical handling, storage, and disposal requirements and procedures

• The location of SDSs

Contractors must adhere to the following requirements:

- Contractors who bring chemicals to OG&E facilities must provide the OG&E with an SDS for each chemical. Chemicals brought onto OG&E property by contractors are subject to approval.
- Contractors are responsible for providing training for their employees, in compliance with 29 CFR.1910.1200.
- Contractors are responsible for managing all chemicals owned, to include those owned directly by the contractor and those owned by subcontractors, agents, or assignees
- Contractors must store all chemicals in areas designated by an OG&E project manager or his/her designee while on OG&E property
- Within a reasonable amount of time after receiving notification of selection for a job, Contractors must submit to OG&E a list of chemicals proposed for use on each project and an SDS for each proposed chemical. During a pre-work conference with OG&E, contractors must also acknowledge, in writing, that they will use only those chemicals identified on the submitted proposed chemical list.
- Contractors must ensure all chemical containers brought onto OG&E property are labeled in accordance with the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
- Contractors must remove all chemicals brought onto OG&E property upon completion of each project, unless otherwise agreed upon in writing by OG&E

Note: If OG&E and the contractor reach an agreement to allow the contractor to leave portions of chemicals brought onto OG&E property, such chemicals must receive approval through OG&E chemical approval process to ensure assignment of a material number, location, and SDS in Sitehawk.

Hot Line Hold (HLHO) and One-Shot Order Requirements

Switching Training is required before performing these procedures. It is the responsibility of the contractor to ensure the employee making the request has completed the certification.

Refer to the table below to determine if a HLHO is required:

Task	HLHO Requirement
Norm al Switching	None
Energized overhead distribution work where the employee maintains 3'6" or more from any energized part	None
Energized work on the load side of a sectionalizer	HLHO/One Shot
Energized work on the load side of a fused cutout	None ¹
Energized work on the load side of a two insulator mounted fuse (SM5, SMU)	HLHO
Energized work on the load side of a non-SCADA operated line recloser or trip saver	One Shot ¹
Energized work on the load side of a SCADA operated line recloser	HLHO
Energized work on the load side of a fused feeder that is fused at the substation bus	Assess ²
Energized work on a feeder	HLHO
Working downstream from any device that appears to be in an unmaintained condition	Assess ³
Pulling wire or working over any energized primary conductor	Assess ⁴

Requesting a HLHO

- **Note:** For TCC requests, form 446 must have been submitted and approved in the appropriate time frame.
 - 1. Before heading to the job site, contact the appropriate Operating Authority with information on all lines, equipment and device numbers that need to be protected.

Note: For 34.5kV and below contact DCC and for 69 kV and above contact TCC.

- 2. When you arrive at the substation or job site, contact the Operator and inform them you are onsite.
- 3. Ensure the Operator has accurate contact information (name/phone #, etc.)
- 4. Perform steps as directed.
- 5. Receive confirmation from the Operator before proceeding with the work.

Returning a HLHO

- 1. Make sure all working personnel are in the clear and warned that a HLHO is being returned.
- 2. Call the Operator stating you are ready to return the HLHO.
- 3. Return your HLHO to the Operator.
- 4. The Operator will given you a sequence of steps to perform or will perform steps by SCADA.
- 5. The Operator will archive the HLHO.

Requesting a One Shot

- 1. Call the DCC Dispatcher when arriving at recloser.
- 2. The Dispatcher will verify line recloser can be placed on One Shot.
- 3. Dispatcher will direct switchman to place recloser on One Shot.
- 4. One Shot Recipient is responsible for placing a Danger Tag on the device.
- 5. Ensure Dispatcher has all necessary contact information (name, phone #, etc.).
- 6. One Shot Recipient must stay at the job site until the One Shot is returned.
- 7. Receive confirmation from the Operator before proceeding with work.

Returning a One Shot

- 1. Make sure all working personnel are in the clear and warned that the One Shot is being returned.
- 2. Call DCC Dispatcher when work is complete.
- 3. One Shot Recipient will remove their Danger Tag from the device.
- 4. Dispatcher will direct the Switchman to put recloser on Automatic.

Hot Work

Note:	A hot work permit is required when performing any spark producing operations and or open flames process. All hot work permits are valid for one shift, not to exceed 16 hours.
• Do Rei fire sec	 Obtain hot work permits are valid for one shift, not to exceed 16 nodes. Obtain hot work permits from the assigned OG&E contact, an OG&E management member, or use an established contractor permit authorized by OG&E Ensure hot work permits remain posted at the hot work location for the duration of work, when conditions allow; ensure hot work permits not posted at the hot work location are readily accessible Inspect hot work areas to ensure all combustible materials are removed from the area Conduct air monitoring when performing hot work in an area where the potential for a hazardous atmosphere exits Ensure a fire extinguisher is available for use at all hot work locations Use a fire watch when performing hot work in all Temporary Designated Areas; all fire watch personnel must have been trained to use manual fire extinguishers, must have the ability to summon emergency assistance, and must adhere to the following: D not perform any work that distracts from fire watch duties main at the hot work location for 30 minutes after hot work is complete to monitor for signs of a e; after the 30 minutes have passed, the fire watch must document the time on the applicable
kee	eping purposes Analysis

When an accident or incident occurs, the contractor is responsible for the following:

- Notifying the OG&E contact as soon as safely possible after all incidents including first aids and close calls
- Submitting an Incident First Report within 24 hours
- Submitting a completed internal incident investigation report within fourteen (14) working days of the incident

Note:	The investigation report must provide a narrative overview of the incident, for analysis including:
	 A detailed description of what happened
	Individuals involved
	 Equipment/processes/procedures involved
	 The extent of injuries and/or equipment/property damage
	 The immediate steps taken to prevent similar events form occurring
	 Root cause analysis and causal factors involved
	 Corrective actions to eliminate root causes that are identified

Inclement Weather Conditions

In inclement weather situations, all personnel are expected to use good judgement to ensure personal safety. If operational circumstances arise which pose a greater risk to personnel safety, the environment, or critical equipment than that of contractor exposure to lightning, the supervisor should assist in making the determination of the appropriate actions.

In addition, the following precautions will be taken at all Power Generation facilities when lightning is detected:

- When an outer radius alert (30 mile) is given, personnel working on plant stacks should secure the work site as quickly and safely as possible and then descend the stack
- When an inner radius alert (10 mile) is given, personnel should secure the work site as quickly and safely as possible and cease outside operations until an all clear has been received
- **Note:** If you are inside a vehicle you are considered indoors. Short transitions from buildings to vehicles while under lightning alerts are allowed.
 - When an inner radius (10 mile) all clear alert is given, personnel may return to their outside work operations excluding those on plant stacks
 - When an outer radius (30 mile) all clear alert is given, personnel may ascend plant stacks to perform work

Job Briefings

A Job Briefing is a group discussion of an assigned task or group of tasks by ALL personnel of the work group which will perform the tasks. Its purpose is to plan the work in such a way that it may be done safely and with maximum efficiency. A job briefing is mandatory and is an integral part of any job.

Note: OSHA 29 CFR 1910.269 (c) Job Briefing states: "The employer shall ensure that the employee in charge conducts a job briefing with the employees involved before they start each job. The briefing shall cover at least the following subjects: hazards associated with the job, work procedures involved, special precautions, energy source controls and personal protective equipment requirements."

- Before the start of the first job of each day or shift
- When new hazards are introduced
- Before starting a job again after a long-term interruption that distracts focus from tasks
- Whenever any element of the job changes (e.g. change of location, personnel, duties, etc.)
- Before making changes in procedure caused by weather conditions or revised plans.

Job briefing must, at a minimum must not be limited to, identify the following:

- Each step of the job task
- Hazards associated with the job task
- Steps or methods to mitigate identified hazards
- All necessary work permits required for the job task

Ladders

Contractors must adhere to the Occupational Safety and Health Standards for General Industry (29 CFR 1910.25-27) and Occupational Safety and Health Standards for the Construction Industry (29 CFR 1926.1053) when using ladders while working for OG&E.

Note: Platform ladders are preferred if consistent work will be completed utilizing ladders. OGE has a right to require platform ladders to be used, if hazards are present while contractor performing said work.

Lead

Contractors who perform work on surfaces with known or suspected lead coating must have an established Lead Safety Program that is in compliance with the OSHA Lead (1910.1025) and Lead Construction (1926.62) Standards.

This program must include a process/procedure for evaluating exposure; use of engineering controls and work practices, where feasible, to reduce worker exposure; good personal hygiene practices; requirements that workers be provided with protective clothing and, where necessary, with respitory protection in accordance with 29 CFR 1910.134; and a requirement that workers exposed to high levels of lead be enrolled in a medical surveillance program.

LOTO

Note:In most cases, OG&E is responsible for identifying energy sources, isolating and removing
stored energy, and testing equipment.
If the contractor is responsible for the LOTO, the contractor may use their own
process/procedure; the contractor process/procedures used must comply with OSHA
1910.147 and/or 1910.269 requirements.

- All LOTO work taking place at a power generating facility will go through the plant Operating Authority.
 - Perform work involving clearance/LOTO only if trained on clearance/LOTO hazards, control methods, and applicable procedures

- Follow clearance/LOTO procedures when performing construction, maintenance, and servicing equipment to ensure energy sources are controlled and isolated
- Lockout energy isolation devices in accordance with OG&E's clearance/LOTO procedures; prior to performing work, consult with the assigned OG&E contact to determine the method used at the facility/location where the work will take place.

Note: OG&E uses padlocks with a tag (danger/hold) or zip ties with a tag (danger/hold) to isolate energy sources

- Verify all applicable clearance/LOTO activities have been completed and adequate control over the lockout has been established prior to performing work
 - Walk the clearance/LOTO boundaries prior to signing onto the clearance/LOTO, whenever possible
 - Verify all clearance/LOTO group personnel are accounted for and removed from the group master sign-on sheet/lock box prior to removing any locks

Mobile Lifts (Aerial, Extendable Boom, Articulated Boom, Scissor, etc.)

- Prior to operating an OG&E lift, a contractor must present a record of valid lift training to an OG&E representative for review
- Contractors must receive authorization to operate an OG&E mobile lift from a member of OG&E management
- Complete mobile lift pre-use inspections prior to each work shift to verify the equipment is in safe working condition
- Wear fall protection (when required by the manufacturer) at all times when operating mobile lifts
- Follow all manufacturer recommendations

Operating Authority

DO NOT Operate any equipment without notifying the correct Operating Authority first.

Transmission Control Center (TCC) Operators are responsible for directing the operation of the following equipment:

- All lines, devices, and apparatus in the bulk transmission system, in the voltage range of 69kV and higher
- All interconnections with foreign companies within any voltage range and any switching or operation involving a foreign company require the attention of the OG&E TCC Operator and foreign System Operators
- The TCC area of jurisdiction includes all plant substation electrical equipment that is used for the purpose of conveying power from the generator to the transmission system, usually to the first switch that connects the unit to the transmission system

Distribution Control (DCC) Operators are responsible for directing the operation of the following:

- The distribution system at and below 34.5 kV and distribution feeder control devices
- The high side disconnect devices of substation transformers with low side voltages of 34.5 kV and below
- When agreed upon by the TCC Operator and the foreign System Operators, the DCC Operators may be delegated to deal with a foreign Operating Authority having connections at 34.5 kV and below

Pandemic Plan

All contractors, vendors or consultants visiting OG&E facilities, except for those which are business critical, have been suspended. Members are encouraged to conduct meetings using remote conferencing capabilities in lieu of face-to-face meetings. Business-critical contractors, vendors, or consultants, including those working within our facilities on a routine basis, will be permitted on a case-by-case basis. Those who are currently on-site can continue on-site until leaving the OG&E service area but must be approved to return.

All contractors, consultants and vendors must self-screen prior to starting their work shift, unless they are working from home. The company requires self-screening whether a member is working at a physical facility or at an outdoor, remote work site.

To self-screen you must take your temperature and complete a questionnaire. The questionnaire can be accessed online using an electronic device. Below, you will find the QR code and hyperlink to the self-screening:



www.Bit.ly/ogescreen

Personal Protective Equipment (PPE)

The contractor is responsible for the following:

- Conducting and certifying project/job task hazard analyses to identify the proper PPE required
- Providing contractor personnel with the required PPE
- Training contractor personnel on the proper PPE selection, use, and care
- Ensuring contractor personnel are thoroughly familiar with and understand the limitations of the required PPE
- Ensuring contract personnel properly inspect PPE prior to use
- Ensuring contract personnel wear the required PPE when working
- Adhering to specific PPE requirements as listed in the following sections

Note:The PPE requirements listed in this section are not all inclusive for OG&E. Different levels or
additional PPE may be required based on a Job Hazard Analysis. Always communicate with
the appropriate foreman/supervisor for PPE requirements and guidance.

At any time, OG&E can require additional PPE.

Eye and Face Protection

- Safety Glasses
 - Safety Glasses and prescription safety glasses must:
 - Meet ANSI Z87.1-2003 Basic Impact Testing requirements
 - Be marked Z87+ on the lens or frame
 - Have side shields
 - Use of dark shaded glasses is not authorized indoors, unless the operation is such that shaded glasses are required
- Safety Goggles must meet ANSI Z87.1-2003 High Impact Testing requirements
- Face shields must meet ANSI Z87.1-2003 High Impact Testing requirements
 - When using a face shield, two levels of eye protection are required. Two levels of protection are achieved by wearing either safety glasses or goggles beneath a face shield.
 - When using a face shield in conditions in which flying particles/debris is present, goggles must be worn beneath a face shield
 - Welding Helmets must meet ANSI Z87.1-2003 High Impact Testing requirements

Foot Protection

- At a minimum, protective footwear must comply with American Society for Testing and Materials (ASTM) standard F2413, and meet the following requirements:
 - Leather construction above the ankle
 - Safety toe (steel/composite)
 - Defined heel
 - Electric hazard rated
 - Slip resistant
- Protective footwear (steel/composite toe shoes) is required in all operating areas. Protective footwear is also required in areas where a hazard assessment has identified a foot danger due to falling or rolling objects, piercing objects, chemical hazards, electrical hazards, exposure hazards, etc.
- Canvas shoes or synthetic fiber cloth shoes are not appropriate footwear for operating environments, and therefore are not authorized outside of office areas. An exception to this applies to visitors: individuals wearing non-protective footwear may visit operating areas if escorted by an OG&E member at all times, but only those operating areas where a foot hazard does not exist; however, even with an escort, open toe or high heel shoes are not authorized in any operating area.

FR Clothing

FR clothing requirements vary based on hazard assessments for the location and/or work performed. Contractors must be aware of the requirements prior to beginning a job.

FR clothing shall be the outermost layer of the contractor's clothing when working in areas that have the potential for arc flash or flash fire exposure.

Contractors shall wear their FR clothing with sleeves and pant legs fully extended, button or snap style shirt sleeves fastened at the wrist, shirts fully buttoned and tucked in.

To minimize harm from fabrics melting and adhering to the skin, contractors shall wear 100% cotton undergarments while wearing FR clothing and working in environments with the potential for flash fire or arc flash.

Any clothing, including belts, consisting of fabrics or zipper tapes made from flammable synthetic materials that melt such as: acetate, acrylic, nylon, polyester, polyethylene, polypropylene and/or spandex, either alone or in blends, shall not be used. NFPA70E allows for an incidental amount of elastic in undergarments.

• For Power Supply locations, 8 calorie minimum or NFPA 70E HRC level 2 clothing is required in all operating areas.

Note: All areas other than administrative areas are operating areas.

• For locations where employees are working on the transmission and distribution system, anyone not using the appropriate FR clothing system must maintain the appropriate minimum approach distance (MAD) from all energized lines and exposed energized parts.

Hand Protection

- Work gloves are recommended in all areas; work gloves are required in any area where a hazard assessment has identified a hand danger, such as sharp, piercing objects, burn, chemical, and electrical hazards, exposure to temperature extremes, etc.
- Specialty gloves, such as those used to protect against chemicals, must be approved for protection against the specific type of hazard
- Rubber gloves and sleeves must comply with ASTM D120, IEC 903, and NFPA 70E
- Rubber gloves are required when working on or near energized parts and energized conductors and must be used in conjunction with leather protectors. Rubber glove use must adhere to the following:
 - For 750 volts and less, phase-to-phase, Class 0 gloves are required
 - For 751-15,000 volts, phase-to-phase, Class 2 gloves are required
 - For 15,001-34,500 volts, phase-to-phase, Class 4 gloves are required
- Rubber Sleeves must be worn in addition to rubber gloves when taking any conductive object within MADs to exposed energized parts at a nominal voltage of 600V or greater, unless:
 - exposed energized parts are insulated
 - installing insulation from a position that does not expose his or her upper arm to contact with other energized parts
 - Rubber gloves and/or sleeves must be put on from a position where the contractor cannot inadvertently reach into the MAD and must not be removed until the contractor is in a position where he or she cannot reach into the MAD

Head Protection

• Visitors may wear Type 1 Class G head protection in areas where they are not exposed to voltage greater than 2200 volts

- Type 1 Class E and G head protection use is required in areas where a hazard assessment identifies a head danger due to the possibility of falling object(s) and/or overhead hazards; Type 1 Class E and G head protection is recommended in all areas other than administrative offices.
- Class C helmets provide no electrical protection. Avoid exposure to live electrical conductors.
- At a minimum, head protection must comply with ANSI Z89.1-1197.
- All head protection must be worn with the suspension in the correct direction
- The shell of head protection equipped with the reverse donning symbol may be worn in reverse
- Chin straps or hard hat tethers are required at all times in power generating facilities

Hearing Protection

- Hearing protection is required in all posted areas and known high-risk noise areas; high-risk noise areas are those areas where a hazard assessment has identified sound levels of at least 85 dBA.
- Hearing protection is required when passing through high-risk noise areas to reach a non-risk noise area (sound level less than 85 dBA)
- Hearing protection should be worn as often as possible in noisy areas, even if the sound levels are less than 85 dBA
- Double hearing protection is required in areas with sound levels over 100dBA

PPE When Exposed to Vehicular Traffic

Reflective or highly visible safety vests and/or apparel are required when working on right of way for public roads, streets, alleys, parking lots, highways, and whenever exposed to traffic.

High-visibility apparel and vests must meet the following minimum requirements:

- Class II apparel is required in areas where work occurs in proximity to vehicles moving at speeds between 0 and 50 mph
- Class III apparel is required in areas where work occurs in proximity to vehicles moving at speeds greater than 50 mph or at night
- Arc rated vests are required when working in areas when working on or within 10 feet of energized equipment and whenever the potential for arc flash exists
 - Only arc rated high-visibility apparel may be worn over FR clothing
 - Yellow-green color indicates the vest is arc rated. The vest user is responsible for verifying the arc rating by checking the vest for proper arc labeling.

Respiratory Protection

The contractor is responsible for the following:

- Providing personnel with appropriate respiratory protection for the job
- Establishing and maintaining a respiratory protection program, in accordance with the requirement of paragraph (c) of CFR 1910.134, to include providing all required physicals, fit testing, training, and documentation. The program must cover all employees required to use respiratory protection.

Powered Industrial Trucks

Contractor must have completed a PIT competency evaluation within the last three years for the specific type of PIT that will be operated. Evaluations must be in compliance with OSHA CFR 29 1910.178 (I).

Contractor PIT operator must have documentation readily available to show that they have been trained/certified.

Contract operators must also:

- Be informed of site-specific PIT operating instructions
- Acknowledge site specific hazards according to the "OG&E PIT Site Familiarization Plan" annually via ISNetworld
- Receive initial approval from site leadership prior to operating PIT(s)
- Never rig or lift using a choker or sling on a bare fork. Only approved rigging equipment should be used

Note: Providing an ISNetworld badge that can be scanned to acquire training records. This is only an option if the PIT Program, Training and Certification(s) have been uploaded to ISNetworld by the contractor for the operator.

Public Safety Boundary

The public safety boundary is the distance required for unqualified personnel to stay away from energized conductors. Unqualified personnel include anyone who is not OSHA 1910.269-qualified. They must stay at least 10 feet away from energized conductors that are 50kV or less. For voltages above 50kV is 10 feet plus 4 inches for every 10kV over 50kV.

Note:	The following are safe work distance requirements for use of cranes, aerial devices and/or derricks near energized conductors:
	 Oklahoma law prohibits anyone form working within six feet of any high voltage line until required safety measures have been taken Arkansas law prohibits anyone form working within ten feet of any high voltage line until required safety measures have been taken Federal law required a minimum clearance of 20 feet for all crane or derrick

Rigging

Contractors must use qualified riggers during hoisting activities for assembly and disassembly work (1926.1404(r)(1)). Additionally, qualified riggers are required whenever workers are within the fall zone and hooking, unhooking, or guiding a load, or doing the initial connection of a load to a component or structure (1926.1425(c)).

A qualified rigger is a rigger who meets the criteria for a qualified person. Contractors must determine whether a person is qualified to perform specific rigging tasks. Each qualified rigger may have different credentials or experience. A qualified rigger is a person that:

• possesses a recognized degree, certificate, or professional standing, or

- has extensive knowledge, training, and experience, and
- can successfully demonstrate the ability to solve problems related to rigging loads

The person designated as the qualified rigger must have the ability to properly rig the load for a particular job. This does not mean that a rigger must be qualified to do every type of rigging job. Each load that requires rigging has unique properties that can range from simple to complex.

Scaffolding

- Design, build, secure, and inspect all scaffolding in accordance with OSHA 29CFR 1910.28, 29CFR 1926 and 1926.451
- All scaffolding erected, moved, altered, and dismantled must use the following tagging system provided by the contractor.
- All scaffolds will have one of three types of tags:
- Green Tag: The scaffold meets or exceeds all applicable regulations and is safe to use
- Yellow Tag Warning: The scaffold is safe to use but has either limitations or hazards the scaffold erector has identified. The scaffold user should be aware of these hazards.
- Red Tag Danger: Do not use the scaffold. Unstable scaffolds and scaffolds in the dis-mantling process must be marked with a red tag.
 - After the contractor has tagged the scaffold (green or yellow), an OG&E competent person must inspect the scaffold and hang the Daily Scaffold Inspection Tag (1066107) beside the contractor tag
 - If a contractor modifies an erected scaffold at any time, an OG&E competent person must reinspect the scaffold and initial the Daily Scaffold Inspection Tag (1066107) before allowing contractors to use the modified scaffold to perform work
 - All scaffold ladders used over 24' high then a fall arrest system must be in place and used

Silica

Contractors who perform work with or around materials containing silica (including but not limited to coal dust and bottom/fly ash, and cutting, sawing, grinding, drilling, or crushing stone, rock, concrete, brick, block or mortar), must have an established Silica Safety Program that meets the OSHA requirements in 1926.1153 and 1910.1053.

This program must include a process/procedure for identifying existing and foreseeable respirable crystalline silica hazards in the workplace, and an exposure control plan that identifies engineering controls, work practices, and respiratory protection to protect contractors, as well as housekeeping measures and procedures that will be used to restrict access to work areas and minimize exposure to other contractors and/or OG&E members in the area.

Sub-Contractors

When utilizing sub-contractors, the primary contractor must ensure their sub-contractor follow the same procedures and meet the requirements as the primary contractor. In addition, if an incident occurs, the primary contractor must assume the role of incident management and provide all documentation necessary to OG&E.

Primary contractor and sub-contractor must have a safety program for all identified hazards associated with work being performed. It is the responsibility of either contractor to provide recognized hazard eliminating procedure(s) that the working contractor must comply.

Switching

- If your job includes the following, switching may be required.
 - Pole Replacement
 - Installation or replacement of Padmount Transformers
 - Replacement of UG Primary Cable
 - Installing or adding new UG or Overhead Primary to an existing feed in the field
- Changing circuit configuration
 - If an individual is observing within 10 feet of a switching operation, the individual must adhere to the same PPE requirements for the individual performing the switching
 - If a switching operation is performed in an enclosed space or excavation, all individuals in the space must adhere to the same PPE requirements for the individual performing the switching

Requesting Switching through the DCC

Note: All TCC switching will be coordinated through the project manager or project coordinator. All Transmission clearance will be conducted by certified OG&E personnel. Contractors are not allowed to switch on the OG&E Bulk Electric System (BES). All switching on the Downtown Underground Network will be handled by the OG&E Underground Network Group.

To request switching, contact your Coordinator or make an appointment with the DCC 405-553-5757. Use the following steps to request switching:

Note: The DCC requires a 72-hour notice, excluding weekends and holidays, to write and approve switching.

- 1. DCC will write switching and fax or e-mail approved switching to switchman or coordinator.
- 2. When arriving at the switching site & ready to begin, call proper Operating Authority.
 - D Switching (single circuit)- 405-553-8122
 - M Switching (multi circuit or substation)- 405-553-8106 is multi circuit switching or substation switching
- 3. Read request # to Operating Authority and state "Ready to begin switching."
- 4. Dispatcher will read steps of switching you need to perform; switchman will repeat steps exactly as given using 3-Part communication.
- 5. After performing switching steps call the proper Operating Authority to report times.
- 6. Report times, read request # and steps to Operating Authority.

Additional Information

- DO NOT Operate any equipment without notifying the correct Operating Authority first
- If any discrepancies, STOP immediately and call the Operating Authority

- If voltage regulation is required, OG&E personnel will assist. This will need to be organized by the Coordinator of the job before switching begins.
- Danger tag will be required
- On ALL Planned Outages, Call the DCC 405-553-8122 Contractors involved, but not performing the switching, must be 10' away from the potential line of fire surrounding or in the direct way of, an air switch or bus work attached to the switch.

Trenching and Excavation

Conduct excavation and trenching work in accordance with OSHA regulations 1926.650, 1926.651, and 1926.652.

A contractor representative must be a competent person when the contractor is to perform work in an excavation or trench. A competent person is capable of identifying existing and predictable hazards in the surroundings, and working conditions which are considered unsanitary, hazardous, or dangerous to personnel.

A competent person is also authorized to take prompt and corrective measures to eliminate them.

The minimum requirements for trenching and excavation are:

- 4' requires means of access/egress every 25' (i.e., ladder, stair step, ramp)
- 4' daily inspection by Competent Person
- 4' requires atmospheric testing (low oxygen, fumes, toxic gases)
- 5' requires protective systems (i.e., trench box)
- Spoil pile 2' away from edge
- Excavations barricaded if left unattended

The following steps must take place before the excavation begins:

Note: The competent person is responsible for the following steps but should interact with those involved in the work whenever possible.

- 1. Meet with all personnel involved in the work to discuss the excavation plan and any other pertinent items.
- 2. Locate underground utilities, including:
 - Okie and Arkie
 - OG&E Electric Services
- 3. Meet with all personnel involved in the work to determine the type of protective system to use.
- 4. Review the proper and safe installation of the protective system with all personnel involved in the work.
- 5. Ensure all applicable permits and plans are in place (LOTO/Clearance, Confine space entry, Safe work).

Waste Management

I. Waste Management

1. All contractor wastes, while on OG&E property, shall be segregated and stored in areas designated by the OG&E Project Manager or his/her Designee. The OG&E Project Manager or his/her Designee may assist the contractor in the proper segregation of these wastes.

2. OG&E Sites with EPA Identification Numbers (includes all generating facilities and all service centers):

- All hazardous wastes generated by the contractor shall be managed by OG&E. The contractor shall segregate the hazardous wastes from all other wastes generated during the project; containerize the wastes, labeling the containers as to their contents; and transfer the containerized wastes to OG&E prior to the project's completion. OG&E shall be responsible for all costs associated with the disposal of the hazardous wastes. Project Managers shall ensure that the generation of hazardous is maintained below 220 pounds per month to maintain the EPA and State Very Small Quantity generator status for the entire facility.
- All nonhazardous industrial wastes generated by the contractor shall be managed by OG&E unless
 otherwise agreed upon in writing by OG&E. The contractor shall segregate the nonhazardous
 industrial wastes from all other wastes generated during the project; containerize the wastes,
 labeling the containers as to their contents; and transfer the containerized wastes to OG&E prior to
 the project's completion. OG&E shall be responsible for all costs associated with the disposal of the
 nonhazardous industrial wastes (unless otherwise agreed to in writing or as part of contractual
 terms).
- All solid wastes generated by the contractor shall be managed by OG&E unless otherwise agreed upon in writing by OG&E. The contractor shall segregate the solid wastes from all other wastes generated during the project; containerize the wastes, labeling the containers as to their contents (as applicable); and transfer the containerized wastes to OG&E prior to the project's completion. OG&E shall be responsible for all costs associated with the disposal of the solid wastes (unless otherwise agreed to in writing or as part of contractual terms).

3. OG&E Sites without EPA Identification Numbers (remote locations, distribution/transmission projects, or mobile operations):

- All *hazardous wastes, nonhazardous industrial wastes* and *solid wastes* generated by the contractor shall be managed by the contractor but coordinated with OG&E. Contractors generating a *hazardous waste* shall deliver their waste to the nearest OG&E Service Center or other designated facility at the end of each working day or as pre-arranged per the terms of the contract. Project Managers shall ensure that the generation of hazardous is maintained below 220 pounds per month to maintain the EPA and State Very Small Quantity generator status for the entire facility. OG&E shall manage any *hazardous waste* that is delivered to the Service Center or designated facility.
- The contractor shall manage any other non-regulated *solid wastes* and disposed in a state permitted disposal facility in accordance with all applicable federal, state and local laws and regulations. Contractor shall be responsible for all costs associated with the disposal of the solid wastes.

II. Use of OG&E Facilities

The use of OG&E underground utilities including, but not limited to, area drains, piping/conduit systems and sanitary sewers to convey any wastes generated by the contractor shall be prohibited unless prior written approval has been obtained from OG&E.

III. Spill Notification and Response

The contractor shall immediately notify OG&E of all leaks or spills of chemicals or wastes into the environment resulting from work performed on or off of OG&E property. The contractor shall coordinate with OG&E for immediately responding to these leaks or spills, cleaning up any spilled materials and shall be responsible for all related costs.

Work Zone Safety

- All contractors performing work on or near roadways for short to long term must follow the Manual on Uniform Traffic Control Devices (MUTCD)
- For safety and identification purposes, everyone in a work zone must wear a hard hat, safety glasses, safety-toed boots, and a safety vest. Ask anyone entering a work zone without the minimum safety apparel to don the minimum safety apparel immediately or leave the work zone area
- Contractors working on the right-of-way for public roads, streets, alleys, parking lots, or highways, or who are exposed to traffic in any way must wear a reflective or highly visible safety vest and/or apparel. It must be put on before or immediately after exiting the vehicle.
- When the work zone encompasses a small job and the duration of work is minimal, or even a full day, the crew performing the work can develop the (Traffic Control Plan) TCP under the direction of the foreman
- When the work zone encompasses a larger job and the time required to complete the job is longer than a single full day, the coordinator, foreman, or district supervisor can develop the TCP
- When a job requires multiple crews, several days, and lane closing and traffic rerouting is necessary, engineering, district supervisor, or Incident Command System (ICS) (if the work is needed due to storm damage) can request a sign OG&E to develop the TCP

Environmental and Wildlife Requirements

Contractors are required to comply with all local, state, and federal environmental requirements. The purpose of this section is to provide expectations and guidance to contractors on the general requirements established to ensure compliance with environmental and wildlife regulations.

Definitions

Term	Definition
CCR	Coal Combustion Residue
NPDES	National Pollutant Discharge Elimination System
OPDES	Oklahoma Pollutant Discharge Elimination System
RCRA	Resource Conservation & Recovery Act
SPCC	Spill Prevention Control & Countermeasures
SWPPP	Storm water Pollution Prevention Plan
TSCA	Toxic Substances Control Act
APP	Avian Protection Plan
CEMS	Continuous Emission Monitoring System

Contacts

Contact the appropriate Environmental representative listed below for any questions concerning environmental related issues or concerns:

Event	Member	Telephone Number
Water - OPDES/NPDES, Storm	Mgr Water Quality/Operational	405 227 1371
water, Oil Pollution Act, Drinking	Chem	
Water, Laboratory Accreditation,		
Injection Well, SPCC, etc.		
Waste - RCRA, TSCA, CCR, etc.	Mgr Waste Management &	405 651 3720
	Wildlife	
Air - Title V, CEMS, Emergency	Mgr Air Quality	405 312 3663
Generators, etc.		
OCC - Above Ground and	Mgr Waste Management &	405 651 3270
Underground Storage Tanks and	Wildlife	
associated dispensing equipment.		
Wildlife - Endangered Species Act,	Mgr Waste Management &	405 651 3720
Species Kills/Injuries, APP, etc.	Wildlife	
Other	Director Environmental	918 577 2613
	Operations	

Environmental Review/Clearance

The purpose of the environmental review and clearance is to ensure all projects are reviewed for environmental permit requirements and inform decision-makers of the potential environmental impacts resulting from their action. During project planning, contractors must review all project activities with the OG&E contact who will submit the project to Environmental Operations for environmental permit review. All necessary environmental permit applications will be completed by OG&E Environmental Operations. Authorized permits will be delivered to the OG&E contact for distribution to contractors. Failure to complete this review could impact the timeline for the execution of specific projects or create unnecessary risk to the corporation.

Facility Environmental Inspections by Governmental Authorities

Various laws and regulations on the Federal, State and Local levels give enforcement officials the authority to inspect OG&E facilities for regulatory compliance. In the event of contact by an authorized Governmental Authority for any purpose, immediately notify the assigned OG&E contact or operating authority.

Spill Response

In the event of an oil or chemical spill (fuels, lubricating fluids, transformer fluids, acid, caustic, etc.), immediately notify the OG&E company contact that has been assigned to you by your contract. If personnel can stop or minimize the spill in any way, this should be accomplished while contact is being made.

Note: Immediately report any oil spills that occur within the public domain or that cause an oil sheen on water to Environmental Operations and your assigned OG&E contact.

When notification is made, be prepared to answer the following questions:

- Date and time of release or discovery
- Exact location of spill
- Source of the release, type and quantity of released material
- Cause of the release

The following direction may be given concerning spill response:

- **Stop the release:** If it is safe to do so, take immediate steps to shut off the source of the release, i.e., close valves, shut off pumps or activate emergency shutdown.
- **Contain the release:** Minimize the impact by containing the release within the immediate area of the release point. If possible, contain the release within company property or right-of-way. Every effort must be made to prevent water contact or contamination.
- **Clean-up:** Regardless of the type or size of the release or spill, all spills must be reported to the assigned OG&E contact. Clean up actions will be reviewed and approved by the OG&E contact. Larger spills, higher risk /hazards or releases to water will be cleaned up by a contracted spill-response company as coordinated with the assigned OG&E contact.

Emergency Generators

Before you install, replace, or modify an emergency generator, inform the assigned OG&E contact to ensure notification is made to the Environmental Operations Member in order to determine the need for appropriate permits. Failure to do so could impact the timeline for the execution of specific projects or create unnecessary risk to the corporation.

General Storm Water Requirements Due to Soil Disturbance

Stormwater construction permits and plans may be required for projects with ground disturbing construction and maintenance activities. Such activities must comply with the terms and conditions of the permit. No ground disturbance may occur with permit required projects until the permit is obtained and distributed. All permit required internal inspections during construction activities will be the responsibility of the contractor.

Wildlife Management

Avian Protection

OG&E management, Members, and contractors are responsible for managing bird interactions with company facilities and are committed to reducing the detrimental effects of these interactions.

If you have any questions regarding avian protection, contact the assigned OG&E contact.

Note: Deaths or injuries of birds must be immediately reported to the assigned OG&E contact.

Protected Species

If any protected species are discovered during construction, that were not identified in the job planning phase, immediately stop work and notify the OG&E contact.

Artifacts

If during construction any artifacts are discovered, immediately stop work, and notify the OG&E contact.

Asbestos Removal Form

FM#	9000221
-----	---------

Date:						
Project:		Con	tractor:		Tag # :	
Unit	insulation has been abated or repaire	ed:				
A	Area/Tray #	Type/Method of Ab	patement/Control Meth	ods <u>Quantity</u>	Affected Today	Bags generated this project
		Repair	Wrap/Seal Ame	nded SF		
		Clean-up	HEPA Vac Wate	erLF		
		Removal	Glovebag Cove	rall Size	e of Gasket	
		Enclosure	Gloves	lown Size	e of Env. Clean-up	
		License				
Supervisor Employee Other Employees	Name	ID Number	Fit Test Expires	Respirator Type 1. 2. 3. 4. 5.	Cartridge Half/P-100 Full/P-100 PAPR-Full/W-3267 Other - please specif Other - please specif	y:
Was glovebag smok	ke tested? Yes No Abatement	complete? Yes	No Air sampling con	nplete?Yes	No If no, explain v	vhy not:
Replacement mater	rial -					
Туре:			Amount:			
 Does this area n Site cleaned up? Glovebag proced Were wet method If the procedure wat 	eed future attention during an annual ? dure followed? ods using amended water used? as not followed, why not?	outage by the insulator	Yes No rs? 5. W 6. W 7. W 8. La	'as the asbestos mate 'as any visual dust ob 'as the abatement eq ıbeling and/or bandir	rial disposed of prop served? uipment cleaned anc ng updated ?	Yes No Perly? Properly stored? Properly stored
Other comments:						

The information listed above, based on my knowledge, is correct and accurate

Supervisor's printed name/Signature



Contractors must submit a request for hours in advance.	use of OGE confined spa	ce rescue services at least 48
Contract Company:	Date:	Requested Service Date:
Name of Contactor Rep:		
Name of OGE Rep:		
Confined Space Location:		
Hazards Introduced to the Confined Space:		
Estimated Duration of Work:		
Name of Entry Supervisor:		
Name of Attendant:		
Additional Information:		
Note: This section is for OGE use only.		
Request Approved	Time and Date Permit Cancel	led:
Name of OGE Rep:	OGE Rep Signature:	Date:
Request Denied		
Reason for Denial:		
Earliest Date OGE Rescue Team is Available:		
Name of OGE Rep:	OGE Rep Signature:	Date:

9000107

Contractor Verification for Use of Overhead Hoists and Gantry Cranes

Date:	Contractor:	Employee:
Overhead He	osit/Gantry Crane Location a	nd/or #:
Verificatio	on Requirements:	
 Verify the Ensure the use inspective complete Complete Inform the 	e contractor has provided doo ne contractor knows how to p ection. e a performance evaluation o e contractor of all site specifie	umentation of Rigging training erform an Overhead Hoist/Gantry Crane pre- f the contractor. c operating information.
Date:	OGE Representative	Signature:
0.1		

Site management approval for contactor to use Overhead Hoists/Gantry Cranes:

Date: Mgmt. Approval Signature:

OG/**E**[°]

Inspections should be performed at intervals according to the following list. The frequency of inspection is indicated with an *. The two columns on the right are for noting the condition of the items after inspection. For any item found to be completely satisfactory, check the first column – OK. For any item found to require attention, check the second column. In this column, place the number 1 or 2 to identify the corrective action needed, (see below). Daily inspections are visual and are to be conducted prior to each shift and are not documented, monthly inspections are to be documented and filed. In the event a defect is found during the visual inspection, then a written documented inspection is required.

Urgency of Corrective Action:

- 1. Stop the use of the crane and submit the corrective actions to Facilities Department, do not use the crane until the corrective action items are completed.
- 2. Continue the use of the crane and submit corrective action item to Facilities Department.

Make/Model	Crane Capacity	Serial Number	Inspector - Print	Date of Last Inspection

Item	Daily	Monthly	Parts of Crane to be Inspected	Hazards to Look For	ОК	Fail
1	*	*	Controls and operating mechanisms	Improperly Adjusted or Excessive Wear, Illegible		
2	*	*	Lines, Tanks, Valves and other parts in air	Deterioration of Leakage		
3	*	*	Hooks and wire rope fittings	Deformed or cracked, safety clips in poor condition, 15% in excess of normal throat opening, over 10% twisted		
4	*	*	Chains and End Connections	Excessive wear, twisted, stretched or distortion of links		
5	*	*	Winch Line (wire rope)	Birdcage, crushed, heat damage, broken wires, etc.		
6	*	*	Ropes, Reeving, Slings and End Connections	Excessive wear, twisted, stretched, kinked or broken wires		
7	*	*	Safety Devices, Belt-Chain Gear Guards, drives and sprockets	Improperly adjusted, excessive wear, missing or broken		
8	*	*	Limit Switch	Check without load for proper operation.		
9	*	*	Controller connectors and Push Button Stations.	Marking of switches and controls. Illegible		
10	*	*	Structural Members (Bridge, etc.)	Deformed, cracked or corroded members		
11	*	*	Lubrication	Engine oil level and moving crane parts		
12		*	Crane Structure	Bent, twisted parts, broken welds, cracks or rusting		
13		*	Bolts and Rivets	Loose or missing		
14		*	Sheaves and Drums	Excessive Wear, cracks		
15		*	Pins, Bearings, Shafts, Rollers, Gears, Locking and Clamping Devices	Excessive Wear, Distortion, cracks		
16		*	Brake system and parts	Excessive Wear		
17		*	Indicators (Load, Wind and other)	Inaccuracy or broken		
18		*	Electrical Apparatus	Deterioration of wiring, poor connections or dirty controls		

Signature of Inspector/Operator

Location

Date/Contact Number

Crane Written Lift Plan

Unit #:	Location:					Date:			
Load Description:	Load Description:								
Lift Description:									
Diagram of Crane Lift and Loa	ad Placement Att	ached? 🛛 🖓	es 🗆] No					
NOTE: Any changes in the crane configuration, placement, rigging, lifting scheme, or calculations require development of a new written lift plan.									
Critical Lift									
Indicate if any of the following	apply:								
 Load exceeds 75% of the setup, etc. for mobile cra 	Load exceeds 75% of the rated capacity of the boom configuration, boom radius, jib boom extension, setup, etc. for mobile cranes								
Center of gravity location	s are unknown o	r more than 12"	off-cente	r					
Tandem lift involving two	hooks on the sar	me crane or mo	re than or	ne crane					
Rotating, flipping, upendi	ng, or lowering sl	hell, tank, vesse	el, or simil	ar load					
Lifting or swinging over o	ccupied buildings	3							
Personnel lift									
Engineered Lift Indicate if any of the following apply:									
 Load exceeds 90% of the rated capacity of the overhead crane, gantry crane, monorail, or other similar crane/hoist and/or rigging hardware 									
 Rigging hardware or cust approval. 	om-made lifting a	accessories are	used req	uires an en	gineer	review and			
These conditions will requi	re an engineer re	eview and app	roval.						
Engineer Signature:					Date	:			
Pre-Lift Checklist									
Crane Inspection: \Box	Rigging Insp	pection: \Box	Cra	ne Set-up:		Swing Room:			
Hoist Height:	Hea	adroom: 🗆	C	rane Ctrw:		Load Test:			
Operator Qual:	Rigge	er Qual: 🛛	Signa	al System:		Tag Lines:			
Wind/Temp:	Safety	Spotter:		Traffic:		Tailboard:			
Site Control:	Sigr	natures: 🗆							
Crane									
Crane Type:		Maximum Crar	ne Capaci	ty:					
Boom Length:		Radius at Pick	-up:	ft.	Set-d	own	ft.		
Crane Capacity at Radius:									
over rear:	lbs. over side):	lbs.	over from	nt:	lbs.			
Boom Angle at Pick-up:	ft.	Boom Ang	le at Set-o	down:		ft.			
Max. Rated Crane Capacity a	t Specified Boom	Length, Radius	s, and Bo	om Angle:		lbs.			
Max. Crane Load for This Lift: Ibs. Lift is % of Rated Crane Capacity.									

Jib				
Erected:	Stowed:		Stored:	
If Jib Use Required Length	:	Angle:		
Rated Capacity of Jib from Chart:		lbs.		
Hoist Rope				
Rope Diameter:		Number of Parts:		
Lift Capacity Based on Parts:	lb	S.		
Rigging				
Hitch Type:				
# of Slings:	Size:		Туре:	
Sling Assembly Rated Capacity:		lbs.		
Shackle Size:	# of Sha	ackles:		
Shackle Rated Capacity:	lbs.			
Attachment Point Locations:		Dimension	of attachment points:	
Crane Placement				
If crane is not placed on a smooth, available to support the crane?	solid found	ation, are mats, blocks, g	ravel, or other systems	□ Yes □ No
High voltage or electrical hazards,	other than e	energized lines, present?	🗆 Yes 🛛 No	
If yes, list safeguards:				
If crane will come within 50' of ene Notification is required in advance	rgized lines if crane ope	refer to OSHA 1926.140 ration will be performed v	8-1409 for Minimum Clea within Minimum Clearance	rance Distances. T&D e Distances.
T&D Notification required?	s □ No			
Travel? 🗆 Yes 🗆 No	lf yes, a di	agram of crane lift and lo	bad placement, to include	travel path, is required.
Swing direction:				
Load				
Load Condition:	lbs.	Wt. Empty:		lbs.
Wt. of Contents:	lbs.	Wt. of Aux. Block		lbs.
Wt. of Main Block:	lbs.	Wt. of Lifting Beam:		lbs.
Wt. of Slings/Shackles/Rigging:	lbs.	Wt. of Jib (erected/s	stowed/stored):	lbs.
Wt. of Hoist Rope (extra):	lbs.	Wt. of Excess Load	Material:	lbs.
Other:	lbs.	Gross Weight:		lbs.
Source of load weight info (drawing	gs, calc, etc)):		
Load weight confirmed by:				
Notes/Comments				
Signatures				
Crane Operator Signature:			Date:	
Lead Rigger Signature:			Date:	

$OG\!\!\!/\!\!E^\circ$ Excavation and Trench Daily Inspection Form

Excavation Location	n:									
Date/Time of Inspe	ction:				Total Depth: _	FTIN				
Soil Type:	□ Stable Rock	🗆 Туре А	🗆 Туре В	🗆 Тур	e C	□ Other				
Slope Ratio (H: V):	□ ½: 1	□ ¾:1	□ 1:1	□ 1½	:1	□Other				
Shoring OK-	□ Timber	□ Hydraulic	□ Other	□ OS	HA Charts	□ Engineered Data				
Shielding OK- Single Stacker Sloped to 18" below top, if necessary Utilities Located Yes No Date:										
Barricades and traf	fic control (list pr	ecautions taken):								
Is water present?	 ⊐Yes □ No if	YES, what action	ns were taken t	to remove v	vater					
Pre-entry atmosphe	eric monitoring re	adings;								
O2%	LEL%	CO	H2	2S	Other:					
Spoil Pile and all ed	quipment >2 feet	back minimum:	□Yes	□ No						
Comments:										
Competent person	signature:									
Soil or Rock Ty	pe Characte	eristics	MAXIMUM ALLOWA			ABLE SLOPES				
				(H:V)(1) 20 EEET	FOR EXCAV	ATIONS LESS THAN				

		20 FEET DEEP				
Stable Rock		Vertical (90°)				
Type A (2)	Cohesive soil with clay base	¾ : 1 (53°)				
Туре В	Cohesive soil with loam base (i.e.	1 : 1 (45°)				
	Angular gravel, crushed rock,					
	ect.)					
Type C	Granular soil including gravel	1 ½ : 1 (34°)				
	and sand					
Refer to UHS 650.A, Soil Classifications, for additional information.						

- 1. H denotes horizontal, V denotes vertical.
- A short-term maximum allowable slope of ½ H: 1V (63°) is allowable in excavations in Type A soils that are 12 feet or less in depth. Short term maximum allowable slopes for excavations greater than 12 feet deep shall be ¾ H: 1V (53°). (Short term – a period equal to or less than 24 hours that an excavation will be open).
- 3. A registered professional engineer shall design protective systems for excavations greater than 20 feet deep.

Utility Health & Safety Procedures Manual

Hot Work Permit

This permit is required for any operation involving open flames, sparks, or high heat generating tools. This includes, but is not limited to: brazing, cutting, grinding, soldering, torch-applied roofing and welding.

Perm	nit #	Permit Requesto	r Name			Signature			
Tasks	s Cove	ered Under Permit Single 🗆	Multiple 🗆]	Completed by		Member 🗆 Contractor 🗆]	
Area	of Wo	ork	k Nature of Job						
Oper	rator	Checklist							
Dete	rmine	Possibility of Combustible Gases	i I	Yes 🗆 (record A	ir Testing Resul	ts) No 🗆 (:	skip to Required Precautio	ns)	
Air Te	esting	Results	,	Value	Air Testing Res	ults		Value	
Oxyg	en O2	(19.5-23.5%)			Carbon Monox	ide CO (<35	ppm)		
Coml	bustib	les or LEL (% LEL <10)			Other (Dusts, I	DLH atmos. C	Dzone; vision less than 5ft)		
Hydr	ogen S	Sulfide H2S (<10 ppm)							
OK	NA	Required Precautions							
		Available sprinklers/hose strean	ns & extingu	ishers are in se	rvice/operable				
		Hot Work equipment in good w	orking cond	ition					
OK	N/A	Requirements Within 35 FT of H	ot Work						
		Flammable liquid, dust, lint, and oily deposits removed from equipment/area and floors are swept clean							
		Remove other combustible material where feasible or protect and contain with approved welding pads, blankets & curtains, fire							
		resistive tarpaulins or metal sheets							
		All wall & floor openings covered							
		Protect or shut down ducts & conveyors that might carry sparks to distant combustible materials							
		Ensure gas cylinders are secured	d in the upri	ght position.					
		If outside, move all flammables	and combus	stibles to an are	a at least 35 fee	et away from	hot work and cover or we	t dry grass and	
OK	NI / A	debris	of						
		Rot work on wail, ceiling, of Ro	8. without a	combuctible co	voring or inculat	ion			
		Combustible material on other	a without t		of is moved aw				
		Hot Work on Enclosed Equipme	nt	, cenngs, or roo		ay			
		Enclosed equipment cleaned of	all combust	ible material					
		Containers purged of flammable liquid/vanor/dust							
		Pressurized vessels initial and equipment removed from service isolated and vented							
ОК	N/A	Fire Watch/Area Monitoring							
	.,,.	Determine if additional fire wate	chers are re	guired in adjoir	ing areas, abov	e/below area	where work is being perfo	ormed.	
		Fire watch will be provided duri	ng work & fo	or 30 minutes a	fter work includ	ding any brea	k activity.		
		Fire watch is supplied with suita	ble extingui	ishers, and whe	re practical, a c	harged small	water hose.		
		Fire watch is trained in use of ed	quipment an	nd in summonin	g help.	-			
Othe	r Cons	siderations			- •				

Hot Work Operator, PAI, and Fire Watch Acknowledgement

Hot Work Operator Name			Signature							
I have examined the aforementioned location and verify the required precautions have been taken to prevent fire.										
PAI Name			Signature							
I acknowledge this permit is complete, and I authorize the aforementioned work to take place.										
Date Permit Expires			Time							
Fire Watch Name			Signature							
Time Work Started		Time Work Stopped			Time Wate	ched End	led			
I monitored the hot work area and all adjacent areas to which sparks and/or heat might have spread during and for 30 minutes following										
completion of the job. I have performed all fire watch duties as required by SSOP.604.252.										
Transferred From			То			Time				

Temporary Designated Area Hot Work Permit

This permit is required for any operation involving open flames, sparks, or high heat generating tools. This includes, but is not limited to: brazing, cutting, grinding, soldering, torch-applied roofing and welding.

Permit #			Request	or Name				Signa	ature						
Outa	ge Wor	k '	Yes 🗆	No 🗆	If Yes, Da	te	Start	End			Comp	leted by	Member 🗆	Contractor 🗆	
Area of Work						Nature of Job			of Job				1		
PAI N	PAI Name Signature														
I ackr	acknowledge the area qualifies for temporary designation and this permit is complete, and I authorize the aforementioned work to take														
place	place.														
Perm	Permit Expires Date							Time							
ОК	NA	Requi	ired Pred	cautions		_									
		Availa	able spri	nklers/ho	se streams	& ex	tinguishers	are in se	rvice/operab	le					
		Hot Work equipment in good working condition													
ОК	N/A	Requi	Requirements Within 35 FT of Hot Work												
		Flamn	Flammable liquid, dust, lint, and oily deposits removed from equipment/area and floors are swept clean												
		fire re	sistive t	arnaulins	or metal s	heets		e or, pro		LIOI WI	ui appi	oved weld	ing paus, biank	ets & curtains,	
		All wall & floor openings covered													
		Protect or shut down ducts & conveyors that might carry sparks to distant combustible materials													
		Ensure gas cylinders are secured in the upright position.													
	_	If outs	side, mo	ve all flar	nmables a	nd co	mbustibles 1	to an are	a at least 35	feet av	way fro	m hot wo	rk and cover or	wet dry grass	
		and d	and debris												
ОК	N/A	Hot W	Vork on '	Wall, Ceil	ing, or Roc	f									
		Const	ruction	is noncor	nbustible 8	with ،	out combus	tible cov	ering or insu	lation					
		Comb	ustible r	material o	on other sid	le of	walls, ceilin	gs, or roc	ofs is moved	away					
ОК	N/A	Hot W	Vork on	Enclosed	Equipment		hustible me	torial							
		Conto	sed equi	ipment ci	eaned of a	iquid	hustiple ma	iterial							
		Drocci	urizod w				/vapor/uusi	d from (onvica icala	todan	dvonto	d			
		Fire M	Vatch / Au	roa Moni	oring, and e	Juipi	nent remove		service, isola	teu ani	u vente	u			
		Deter	mine if a	additiona	l fire watch	ers a	re required	in adioin	ing areas ah	ove/h	elow ar	ea where	work is being n	erformed	
		Fire w	vatch wil	ll be prov	ided during	y wor	k & for 30 m	ninutes a	fter work inc	luding	any br	eak activit	V.	cironica.	
		Fire w	vatch is s	supplied v	with suitab	le ext	inguishers.	and whe	re practical.	a chare	ged sma	all water h	, ose.		
		Fire w	vatch is t	trained in	use of eau	ipme	ent and in su	mmonin	g help.	6			-		
Other	Consid	leratio	ns						<u> </u>						

Daily Inspection Log														
Inspections			PAI		Inspections		PAI		Inspections			PAI		
Date	Day	Night	t Day Night		Date	Day	Night	Day	Night	Date	Day	Night	Day	Night



Contractor PIT Verification Form

Contractor:	Date:	
Employee:	PIT #:	

Complete the following:

- 1. Verify the contract employee has completed a PIT training program.
- 2. Evaluate the contract employee performing a PIT inspection using FM.604.178.1.
- 3. Evaluate the contract employee performing as a PIT operator using FM.604.178.6.
- 4. Ensure the contract employee understands how to refuel the PIT.
- 5. Inform the contract employee of all site-specific PIT operating information.

OGE Evaluator:

Date:

Confirmation of Contractor Debriefing

Contract Company:

Work Start Date:

Work Complete Date:

Describe the work performed in permit-required confined spaces:

Describe any unusual circumstances encountered during entry or while performing work within the permit-required confined space:

Describe any hazards encountered during entry or while performing work within the permit-required confined space:

Name of Contactor Rep.	Signature:	Date:
		-
Name of OGE Rep.	Signature:	Date:

OG / E [*]	Sca	ffold	Inspe	ction	Form	028.1	L ·	LIVE	
		Data				PO #			
Light Duty Scaffold	1000lbs	Service Fac	tor	25lb/sqft					
Medium Duty	Max Load	2400lbs	Service Factor		50lb/sqft				
Heavy Duty	Max Load	2925lbs	Service Fac	tor	75lb/sqft				
# of Working Levels		Overal	Length						
Scaffold Contractor Ins	spection Tag	g Present		(red, gree	en, yellow)	pass/fail			
	Dim	ensiona	I Checks	cirlce	pass or	fail)			
Tube Diameter (O.D.)									
Posts	2	in	pass/fail	Runners		2	in	pass/fail	
Braces	2	in	pass/fail	Bearers		2	in pass/fai		
H.D. Only				Beare	rs Only	2.5	5 in	pass/fail	
Bearer Extension Leng	th		in	(great	er than 4" :	and less tha	an 12") pass, fail		
(applies on Tube	e and Couple	er Scaffold	only)					or n/a	
Bearer Coupled to Pos	t	pass/fail	Bearer and	Runner co	upled toge	ther	Pass, Fail,	or N/A	
Overall Height		ft	Working	g Levels	Additior	nal Levels	Max Height		
Note: Working levels	is the # of		1			8	125	5 ft.	
levels worked on at c	one time.	Light	2	2		4	125 ft.		
Is max height allowed?	pass/fail		3	3		0	91	ft.	
		Medium	1	<u> </u>		6	12.	5ft.	
			2	2		0	78ft.		
		Неаvy		_		6	12.	oft.	
					h			pass/fail,	
	3 wide or	N/A							
Guys, Ties	3' wide or	greater at t		pass/fail, N/A					
	pass/fail, Installed at the end of each scaffold horizantally not to exceed 30' N/A								
Current and an ffelds with a hai							hall ha nastusia s	d for an time in a	
Supported scarroids with a nei	ght to base what	by guyi	ng, tying, bracing	g, or equivalent	t means	ur to one (4:1) s	nali de restraine	a from tipping	
				nass/fail			PLANKING		
C	cross Bracing	g		N/A		WITH TOE BO			
(every 3rd bay hori	zontally)	(every	5th bay ver	ticaly)					
(every 3rd bay horizon	itally)							BEARER	
				pass/fail,		HK		POST	
Longitudinal Bracing	Repea	ted Every 5	th Post N/A linal pass, fail,			y h			
	Last post h	as longitud			RIGID	8H			
	diagonal b	race		N/A					
	Bracing at	45° angle		pass/fail		DIA			
			_			BRACING	BASE PLATE	CTION	
Base Noto: Should includo:	Built on a s	suitable bas	se a Foot	pass/Tall	SWIVEL	NOTE: ALL TIES SH	HOULD BE LOCATED	<u> </u>	
	Sill, Dase Pic	ite, Leveiiii		10 11	Council of the Freek Deet		OHS	V (6)	
kunners	Bottom Ru	nner close	to Base? pass/fail gth? pass/fail een 36" and 42"		Coupled to Each Post		r	pass/tail	
	Form Cont	inuous Len			Height Bet than 6'-6"	ween Runn ?	ers less	pass/fail	
Guardrails	Top Rail He	eight betwe				in	pass	/fail	
	Midrail He	ight (should b	e half of top rail	height)		in	pass/fail		
	Toe Plate	(yes	s/no)	Toe Plate :	1" x 4" or gi	reater?	pass/fail		
(2x4 lumber is allowed)	Toe Plate e	extension 3	-1/2" above	working se	ervice?		pass	pass/fail	
Work Platform	Work Surfaces fully planked and less than 1" between planks?						pass	/fail	
Planking Plank end extension between 6" and 18"?						pass/fail, n/a			
Planks secured at ends?					pass/fail				
Access to platforms Proper Access provided?							/fail		
Ladder Type (circle one): Clamp-on ladder, from another platform or surface						ce			
General	Is Scaffold	stable?	pass	/fail	Work surfa	ace clean?	pass/fail		
	Scaffolding	; is suitable	for use?		pass/fail Initial and date				
9000072 (Rev. 2/2013)								