



Kansas City Power & Light Company
Contractor Safety Requirement Document – Revision List 5

Section		Title	Rev 4 Page #	Addition/Deletion/Move/Revised
Rev 4	Rev 5			
1.0	N/A	Contractor Safety Registration	4	Deletion
Instructions for registering as an approved contractor or vendor with KCP&L Contractor Safety can be found at http://www.kcpl.com/business/contr_safety.html . For questions, contact Contractor Safety Administrator at contractorsafety@kcpl.com .				
2.0	1.0	Introduction	4	Moved to 3.0 Program Components
Each Contractor is required to develop, implement, and maintain a safety and health program that addresses the hazard(s) to which its employees are or will be exposed. Each Contractor is charged with the responsibility for conducting its operations in a manner that will provide safe working conditions for all construction related employees, KCP&L employees, and for the protection of property and the general public.				
2.0	1.0	Introduction	4	Deletion
<p>KCP&L recognizes various Contractors may not perform maintenance on the physical workings of the plant or be involved in construction type activities as part of their work scope. As a practical matter, we know that Contractors face varying levels of exposure to risk when performing services on KCP&L properties. Accordingly, we have established three levels of supplier safety requirements that are commensurate with the type and scope of services provided by our Contractors. The descriptions and examples of these levels are for informational purposes only and should not be deemed as all-inclusive. Additionally, these assignments and requirements do not relieve the Contractor from any obligation or responsibility relative to safety, hazard or applicable law. These level designations are reflected in the Table of Contents and throughout the body of the document. The level descriptions are as follows:</p> <p>Level 1 – Maximum potential for direct exposure to plant processes or equipment hazards. Contractor must provide and maintain a written safety program prior to coming on site. Examples: Boiler and turbine generator maintenance, elevator maintenance, asbestos removal, hazmat delivery/pickup, AQC and Fuel Yard work, Confined Space work, working on or around energized facilities etc. KCP&L considers all of the requirements identified in the Contractor Safety Requirements as applicable to this level.</p> <p>Level 2 – Intermittent or limited potential for exposure to plant process or equipment hazards. Contractor must provide and maintain a written safety program prior to coming on site. Examples: Storeroom deliveries, rug vendor, water vendor, vending machine, weed and pest control, door and lock maintenance, laundry, lawn mowing, snow removal, scrap and trash removal, lime and anhydrous ammonia deliveries, HVAC, equipment hauler and field deliveries, etc.</p> <p>Level 3 – Potential for limited exposure to plant or equipment hazards. Typical work activities limited to administrative and receiving areas. Contractor/vendor is not required to submit safety program unless otherwise requested. Examples: Mail and package deliveries, routine deliveries to storeroom, sales calls, etc.</p> <p>A contractor's level is determined upon the scope of work and audit of contractor's safety program.</p> <p>NOTE: If you are a contractor participating in the OCIP-CEP program and performing work or operations at the Iatan 2 facility, you are required to adhere to additional requirements as set forth in the Contractor Safety Requirements Addendum, Document No. CSRD-0002.</p>				
3.0	2.0	Definitions	6	Revised
Construction Safety Management Representative changed to KCP&L Construction Safety Representative				
3.0	2.0	Definitions	6	Addition
Incident – This includes incidents, accidents, near misses and property damage.				
3.0	2.0	Definitions	6	Addition
Contractor Safety Manager - When required per Section 3.1, # 5 of these Contractor Safety Requirements, a Contractor Safety Manager will be dedicated to safety and perform no other concurrent duties.				

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3.0	2.0	Definitions	6	Deletion
Contractor Safety Representative - When required per Section 3.1, # 5 of these Contractor Safety Requirements, a Contractor Safety Manager will be dedicated to safety and perform no other concurrent duties.				
4.0	3.0	Program Components	8	Deleted
4.1 Attitude/Culture – Entire section was deleted. Refer to Revision 4 CSR document for details.				
4.0	3.0	Program Components	8	Deleted
4.2 Accountability - Entire section was deleted. Refer to Revision 4 CSR document for details.				
4.0	3.0	Program Components	8	Moved to 3.1, 1.
4.3 Pre Work Planning - Entire section was deleted. Refer to Revision 4 CSR document for details.				
4.0	3.0	Program Components	8	Deletion
4.4 Communication - Entire section was deleted. Refer to Revision 4 CSR document for details.				
4.0	3.0	Program Components	8	Deletion
4.5 Training - Entire section was deleted. Refer to Revision 4 CSR document for details.				
4.0	N/A	Program Components	9	Deletion
4.6 Evaluation/Auditing - Entire section was deleted. Refer to Revision 4 CSR document for details.				
4.0	N/A	Program Components	9	Deletion
4.7 Work Scope - Entire section was deleted. Refer to Revision 4 CSR document for details.				
4.8, #4	N/A	Contractors	9	Deletion
Contractor shall submit in writing a Contractor Safety Plan to the KCP&L Construction Safety Management Representative for review and recommendations prior to contract or purchase order execution. Contract or purchase order execution does not constitute contractor safety approval. <u>The Contractor Safety Plan shall meet or exceed the safety requirements of the Contractor Safety Requirements before the KCP&L Construction Safety Management Representative will accept the document.</u> Work will not begin on the Site without an accepted Contractor Safety Plan. Delay in submitting a written Contractor Safety Plan shall not constitute grounds for a contract schedule extension or delay claim.				
4.8, #5	N/A	Contractors	10	Deletion
Contractor shall fill out the Attachment F - Competent Person Designation form provided by KCPL before commencement of work and submit proof of training documents upon request. Delay in submitting proof of training documents shall not constitute grounds for a contract schedule extension or delay. Form can be found at http://www.kcpl.com/business/contr_safety.html .				
4.8, #7	N/A	Contractors	10	Deletion
and a personal interview may be required.				
4.8, #10	N/A	Contractors	10	Deletion
Submit a list to the KCP&L Construction Safety Management Representative or Appointed KCP&L Representative of equipment operators that are qualified to operate equipment by the type of equipment. Maintain current file of certification of annual crane inspection and qualification of all crane operators.				
4.8, #12	3.0	Contractors	10	Addition
Ensure that all contractors wear FR or all-natural fiber clothing by the end of December 2011.				
5.0	N/A	Safety Orientation	12	Deletion
NOTE: Level 3 vendors and visitors, who will not be performing field service work, will not be required to attend an orientation training session but will required to receive Anhydrous Ammonia Awareness on an annual basis, if applicable to facility.				
5.2	N/A	KCP&L Job Briefing	13	Deletion
and any pre-work documentation as reflected in Attachment B (Contractor Safety Requirement Quick List) .				

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5.2	N/A	KCP&L Job Briefing	13	Deletion
At a minimum, the following details shall be included on the pre-task plan:				
1) Define Activity		6) Hazard Control Measures		
2) Describe Sequence of Operation		7) Permits Needed		
3) Specific Hazards Related to Operation		8) Training for all Involved Contractor employees		
4) Coordination with Other Contractors		9) Competent Person Designation		
5) Coordination with KCP&L Personnel		10) Coordination with Outside Parties		
Contractor's document format must be submitted to the KCP&L Construction Safety Management Representative for review and recommendations. A sample form can be found at http://www.kcpl.com/business/contr_safety.html or by contacting your Appointed KCP&L Representative.				
The appropriate PTP, JSA or JHA shall be reviewed and attendance documented by the Contractor at the preparatory, initial and follow-up phases of the work.				
6.0	N/A	Accident Reporting & Investigation	14	Deletion
In the case of emergency medical treatment, Contractor shall post in job office trailer, the clinic, name of physician or contact person, address and billing information. This information shall be made readily available to the employee for employee reference.				
6.0	N/A	Accident Reporting & Investigation	14	Deletion
The Appointed KCP&L Representative will notify the Station Control Operator whenever outside emergency response is needed, and provide necessary direction and details to those responders.				
6.0	5.0	Accident Reporting & Investigation	14	Modified
Note: "accident" changed to "incident"				
6.1	N/A	Near Miss Reporting	14	Deletion
Entire section was deleted. Refer to Revision 4 CSR document for details.				
6.3	N/A	Additional Information	15	Deletion
Contractors will provide their own forms to document the requirements as listed previously. KCP&L reserves the right to request additional information that KCP&L determines to be relevant to any accident, near miss, or first aid case. KCP&L reserves the right to conduct its own investigation for any Contractor accident, near miss, or first aid case occurring on KCP&L property that results in property damage, and/or injury. KCP&L reserves the right to coordinate a meeting with any and all Contractors involved in any Contractor accident, near miss, or first aid case occurring on KCP&L property that results in property damage and/or injury. The purpose will be to discuss findings and corrective actions taken to prevent re-occurrence. The purpose of a KCP&L investigation is to record information and enhance job site safety. NOTE: Contractors are to maintain their own OSHA record keeping forms as required by OSHA. Copies of the past three years and the most current documentation shall be available for review by the KCP&L Construction Safety Management Representative or Appointed KCP&L Representative.				
7.1	N/A	Generation Evacuation Procedures	16	Deletion
perform a head count and report missing personnel to KCP&L.				
Personnel will remain at the designated site until an all-clear is announced or further vacation steps are ordered.				
7.2	N/A	KCP&L Company Station Emergency Numbers	16	Deletion
Note: This information is in the Contractor orientation handbooks. Duplicative information.				
7.3	7.1	HAZWOPER	22	Moved to 7.1 Process Chemicals
1. Contractors shall provide hazardous waste response supplies and shall develop a spill response plan for any hazardous waste materials brought on-site, such as boiler chemical cleaning process, mobile equipment leaks and or transformer oil recirculation or change, etc.				

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7.3	N/A	HAZWOPER	22	Deletion
2. Contractor shall provide required training to its employees designated to clean up hazardous waste releases. This information shall be available upon request to the KCP&L Construction Safety Management Representative or Appointed KCP&L Representative				
7.4	N/A	Injury to the General Public	22	Deletion
Entire section was deleted. Refer to Revision 4 CSR document for details.				
7.5	6.2	Fire Protection & Prevention	22	Addition
Contractors shall comply with the latest revision of KCP&L's Supply Safety Rules & Procedures SR-013 – Hot Work Permit.				
7.5	6.2	Fire Protection & Prevention	22	Deletion
<p>All Contractors must establish a Fire Protection/Prevention Program that complies with applicable OSHA and <u>NFPA</u> standards.</p> <ol style="list-style-type: none"> 2. Approved self-closing safety cans must be used for flammable and combustible liquids. 3. "NO SMOKING" or "OPEN FLAME" signs and fire extinguishers shall be provided by the Contractor where required. The Contractor's Fire Protection/Prevention Program shall be submitted to the KCP&L Construction Safety Management Representative or Appointed KCP&L Representative for approval. 4. A hot work permit is required in any area of the station not identified as Hot Work Designated Areas before striking an arc, lighting a torch, or utilizing other spark emitting tools, or any involving open flames or producing heat and/or sparks. 5. Hot Work Designated Areas – A permanent location designated for hot work operations by station management in collaboration with Supply Safety. These locations once identified will have signage and do not require a hot work permit and must meet the following criteria. <ol style="list-style-type: none"> a. The area is constructed of noncombustible or fire-resistive material. b. The area is free of combustible and flammable contents. c. The area has signs posted designating it as a Hot Work Designated Area. d. The area is suitably segregated from adjacent areas. Examples include maintenance shops or detached outside locations that meet all requirements listed above. 6. A Hot Work permit will only be issued for one job on one shift. If the job scope or the work areas change, a new permit must be established. 7. Contractors needing to perform Hot Work in areas not identified as Hot Work Designated Areas shall obtain a hot work permit from the Appointed KCP&L Representative before the commencement of hot work and fill out sections A – E including: <ol style="list-style-type: none"> a. Hot Work by b. Date c. Location/building and floor d. Nature of job e. Nature of job f. Name (print) and signature of KCP&L person or contractor performing work. 8. The contractor shall prepare the hot work area within 35 feet of the hot work in all directions (referenced in section F on Permit): 9. All hot work equipment must be in good working condition. 10. All flammable liquid, dust, lint and oily deposits removed. 				

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7.5	6.2	Fire Protection & Prevention	22	Deletion
<p>11. Explosive atmosphere eliminated.</p> <p>12. Floors swept clean.</p> <p>13. Combustible floors wet down, covered with damp sand or fire-resistive sheets.</p> <p>14. Ensure the protection of combustibles and/or flammables from ignition by the following means (referenced in section F on Permit):</p> <p>15. Move the work to a location free from combustibles and/or flammables.</p> <p>16. If the work cannot be moved, move the combustibles and/or flammables a safe distance from the work.</p> <p>17. If the combustibles and/or flammables cannot be moved, have them properly shielded against ignition by wetting down or covering them with protective barriers such as welding blankets, welding curtains or welding pads.</p> <p>18. Schedule the work so that operations which could expose combustibles and/or flammables to ignition are not started during hot work operations.</p> <p>19. If combustibles and/or flammables cannot be protected from ignition, hot work shall not be performed.</p> <p>20. All wall and floor openings covered.</p> <p>21. Welding pads, blankets and curtains installed under and around work.</p> <p>22. Protect or shutdown ducts and conveyors that might carry sparks to distant combustible materials.</p> <p>23. For hot work on walls, ceilings or roofs (referenced in section F on Permit):</p> <p>24. Materials are noncombustible and without combustible covering or insulation.</p> <p>25. Combustible material on the other side of walls, ceilings or roofs is moved away.</p> <p>26. For hot work on enclosed equipment (referenced in section F on Permit):</p> <p>27. Enclosed equipment cleaned of all combustible material</p> <p>28. Containers purged of flammable liquid/vapor</p> <p>29. Pressurized vessels, piping and equipment removed from service, isolated and vented.</p> <p>30. After preparing the work area, the contractor performing the hot work shall inform the Hot Work Supervisor that the area is ready for inspection.</p> <p>31. The Hot Work Supervisor shall physically inspect the work area to ensure that all of the above area preparation precautions are completed and check them off on the right hand side of the Hot Work Permit (section F). Hot Work Supervisor shall also ensure any extra-required precautions are taken and noted on the permit.</p> <p>32. The Hot Work Supervisor shall ensure that the Contractor assigns a Fire Watch to be maintained at the site. The contractor shall provide the fire watch and all fire extinguishing equipment. No breaks are allowed unless a replacement is assigned so Fire Watch activities are maintained. Please note, that the person performing the hot work cannot be his or her own fire watch.</p> <p>33. Additional Fire Watches may be needed if potential fire hazards occur outside of one Fire Watch's visibility.</p> <p>34. The Hot Work Supervisor will fill out the <i>Permit Expires</i> block and the emergency reporting information on the back of the permit.</p> <p>35. The Hot Work Supervisor will then sign the Hot Work Permit (section G) giving permission to commence hot work and distribute the parts of the permit:</p> <ol style="list-style-type: none"> a. Part 1 will be kept by the Hot Work Supervisor. b. Part 1A will be kept in the appropriate Control Room. c. Part 2 will be given to the Contractor performing the hot work who shall then post it at the hot work site and fill in "time started" and "time finished" accordingly on Part 2. 				

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7.5	6.2	Fire Protection & Prevention	22	Deletion
<p>36. When hot work is completed, the Fire Watch shall remain at the site for a minimum of thirty minutes. The Fire Watch may be extended if the Hot Work Supervisor determines that the fire hazards warrant it. The Fire Watch must get permission from the Hot Work Supervisor before leaving the area.</p> <p>37. The Fire Watch will sign Part 2 of the permit on the Fire Watch sign off line. The permit shall remain at the site, and inform the Hot Work Supervisor that the 30 minute fire watch is over, so the Hot Work Supervisor can then contact the Control Room.</p> <p>38. Contractors will be informed with regard to the need for additional hot work permits during the pre-work briefing. Work procedures to minimize fire hazards to the extent practical shall be used.</p> <p>39. A fire extinguisher shall be present in the immediate vicinity of any hot work.</p> <p>40. Have anti-flashback devices installed on the <u>fuel side</u> of all gas and oxygen cutting torches.</p> <p>41. All fire watches shall have the appropriate <u>incipient</u> level fire fighting training. Verification shall be made to ensure no fire hazards exist at the conclusion of the hot work activity.</p> <p>42. A fire watch is required for the duration of the permitted work plus 30 minutes following work completion.</p> <p>43. Hot work permits will be issued and logged by the Appointed KCP&L Representative</p> <p>2. Contractor's supervisory personnel shall be instructed in proper methods for extinguishing fires and shall be assigned specific fire protection duties.</p> <p>3. All Contractor employees shall be trained in the selection and operation of each type of fire extinguisher for each type of fire that may be encountered.</p> <p>5. Access to sources of fire system water shall be identified and kept clear at all times.</p> <p>6. Contractor shall operate all temporary heating facilities in a safe manner at all times. Salamanders, open fires, or other methods of heating that constitute a hazard to personnel or property shall not be used.</p> <p>7. Contractor shall store all fuels, solvents and other volatile or flammable materials away from the work and in storage areas in well-marked, safe containers.</p> <p>8. Only solvents with a flash point of one hundred forty degrees Fahrenheit (140F) and above are permitted on KCP&L property.</p> <p>11. Contractor provided fire-fighting equipment (fire extinguishers rated not less than 2A) shall be conspicuously marked and elevated and so located throughout the work area, and readily accessible at all times.</p> <p>12. Contractor shall locate at least one fire extinguisher for every 3,000 square feet of protected area.</p> <p>13. Contractor shall inspect all fire extinguishers on a monthly basis and maintain the fire extinguishers in operating condition.</p> <p>14. The travel distance from any point of the job site to the nearest Contractor fire extinguisher shall not exceed 100 linear feet.</p> <p>15. In the event of an emergency evacuation due to fire, the <i>General Evacuation Procedures</i> described herein shall be utilized.</p>				

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7.6	6.3	Asbestos	26	Revised
Note: Contractor shall not use any materials containing asbestos or ceramic fiber at any KCP&L Sites. Use of such materials will require immediate removal and replacement at Contractor's expense. If any equipment to be used by Contractor contains asbestos or ceramic fibers, Contractor must notify KCP&L before bringing such equipment on-site.				
7.9	N/A	Property Damage	27	Deletion
Entire section was deleted. Refer to Revision 4 CSR document for details.				
7.10	N/A	Public Demonstrations	27	Deletion
Entire section was deleted. Refer to Revision 4 CSR document for details.				
7.11	N/A	Bomb Threats	28	Deletion
Entire section was deleted. Refer to Revision 4 CSR document for details.				
7.12	N/A	Suspicious Packages/Mail	28	Deletion
Entire section was deleted. Refer to Revision 4 CSR document for details.				
7.13	N/A	Weather Related Emergencies	28	Deletion
Entire section was deleted. Refer to Revision 4 CSR document for details.				
7.14	N/A	Media Contacts	28	Deletion
Entire section was deleted. Refer to Revision 4 CSR document for details.				
8.1	7.1	Process Chemicals	29	Addition
KCP&L will provide Contractors with a copy of KCP&L's approved chemical list, <i>upon request</i> .				
8.1	7.1	Process Chemicals	29	Deletion
1. Process chemicals are utilized in several places within and around the KCP&L facilities. Contractor job briefings shall include discussion of chemicals in the work area. If unsure as to what chemicals are in the work area, contact the KCP&L Construction Safety Management Representative or Appointed KCP&L Representative.				
Prior to chemicals being brought onto KCP&L property,				
8.1	N/A	Process Chemicals	29	Deletion
If a chemical is not approved for general use and the Contractor must have the chemical to perform its work or service, the Contractor can request the product be approved for conditional use.				
8.1	N/A	Process Chemicals	29	Deletion
As such, all chemicals brought on-site by Contractors must not be left on KCP&L property and must be removed or disposed of by the Contractor.				
8.1	N/A	Process Chemicals	29	Deletion
4. KCP&L reserves the right to refuse a Contractor request to use a specific chemical on-site due to hazardous nature, reactivity with other chemicals, special handling procedures, environmental concerns, or any other condition not mentioned above.				
5. Hazard Communication Programs must be maintained to assist all Contractors in providing a safe and healthy workplace for all employees. Therefore, Contractors and their subcontractors shall have a copy of their Hazard Communication Program including MSDS information for placement in the <u>prime Contractors</u> project trailer or office. These materials will be available to all employees, their designated representatives, Contractors, and emergency respondents.				
6. Minimum program requirements must include a list of all hazardous chemicals or materials brought on-site, the type of labeling used on all containers of materials or chemicals, training methods and a file of all Material Safety Data Sheets (MSDS) for chemicals or materials on the Project Site. All containers for products or chemicals that required an MSDS shall be labeled with the product or chemical identity. Containers that contain material transferred from the original container shall be labeled with the product or chemical identity. A subscription service for faxing MSDS to the Project may be substituted for the file requirements, only if the Contractor can demonstrate that the system can produce an MSDS in a timely manner. A subscription service may be used as long as it is readily accessible to all employees and there are no barriers to impede immediate access. The Contractor must also authorize the KCP&L Construction Safety Management Representative or Appointed KCP&L Representative to use this system.				
8.3	7.3	Lock Out/Tag Out Procedures	30	Deletion
5. The Lockout/Tag-out procedures and Contractor training documentation shall be submitted to the KCP&L Construction Safety Representative or Appointed KCP&L Representative prior to mobilization for KCP&L review.				
8.4	7.4	Hold Procedure	30	Addition
Contractors shall comply with the latest revision of KCP&L's Supply Safety Rules & Procedures, SR-0004 – Hold Procedure.				

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8.4	7.4	Hold Procedure	30	Deletion
<p>All Contractors needing a Hold to be placed on existing equipment will contact their Appointed KCP&L Representative or Appointed Contract Administrator.</p> <p>The Appointed KCP&L Representative WILL request all Holds associated with projects assigned to them. All provisions of Sections 7.3 through 7.6 of the KCP&L Hold Procedure within KCP&L Plant Operations Safety Rules and Procedures WILL be followed.</p> <p>The person signing onto the Hold as the Appointed KCP&L Representative shall check the "Contractor Tag Out Sign On Book Issued" check box.</p>				
8.4	7.4	Hold Procedure	30	Deletion
<ol style="list-style-type: none"> 1. When field checking a Hold (7.6.1) for work by contractors, the Contractor Representative responsible for the work WILL accompany the Contract Administrator in the checking of the switches or valves tagged for his/her protection. The Appointed KCP&L Representative will initial each tag and with the Contractor Representative WILL verify the position of valves and switches. The Appointed KCP&L Representative WILL have in his or her possession a copy of the Hold for use in field checking the tags. 2. After field checking the isolation points the Appointed KCP&L Representative WILL conduct a job briefing to ensure the Contractor Representative understands the scope of the protection provided by the Hold. Additional job briefings SHALL be conducted when changes in the scope of the job could affect the safety of employees. 3. The Appointed KCP&L Representative and Contractor Representative WILL complete the Contractor Tagout Signature Book by specifying the following: <ol style="list-style-type: none"> a. Hold Number b. Work Scope c. Date of Issuance d. Verify by initialing that Field Checks were completed 4. The Contractor Representative Shall conduct a Job Briefing with their employees assigned to the work to explain the level of protection and have each person sign and date the Contractor Tagout Signature Book request line to acknowledge understanding the limits of protection. 5. Each sub-contractor(s) working under the direction of the primary Contractor WILL be assigned a Contractor Tagout Signature Book. The primary Contractor WILL be responsible for conducting the job briefing and ensuring the sub-contractor understands the limits of protection. The primary Contractor Shall be responsible for the release of their sub-contractors Tagout Signature Book to the Appointed KCP&L Representative. 6. Each sub-contractor contracted by KCP&L will receive a formal Job Briefing and assigned a Contractor Tagout Signature Book associated with their assigned work. 7. The Contractor Representative is responsible for insuring the contractor employees legibly sign, date and include the last 5 digits of their Social Security numbers on the Tagout Signature Book. <p>NOTE: In their absence, the Contractor Representative who is responsible for the contractor employees WILL designate another Contractor Representative to release the Contractor Sign on Book back to the Appointed KCP&L Representative.</p> <ol style="list-style-type: none"> 8. When releasing the Signature Book back to a Appointed KCP&L Representative, the Contractor Representative WILL verify that all requesting signatures are signed on the release section, then sign the Ready to Release line. 				

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8.4	7.4	Hold Procedure	30	Deletion
<p>9. The Appointed KCP&L Representative SHALL advise the Contractor Representative that all protection SHALL be considered removed at that time and the equipment considered "alive".</p> <p>NOTE: The Contractor Representative WILL assume responsibility for any contractor employee who has not signed off the Tagout Book.</p> <p>10. The Contractor Representative WILL verify that the employee is not on site before signing them off the Contractor Tagout Signature Book. This responsibility includes notifying the employee before they resume work that the Hold has been released.</p> <p>11. The Appointed KCP&L Representative WILL return the completed Contractor Tagout Signature Book(s) to the Control Authority when releasing the Hold.</p> <p>NOTE: The Hold WILL not be released until the completed Contractor Tagout Signature Book(s) is returned to the Control Authority.</p> <p>12. The Control Authority will release the Hold according to Sections 7.6.4 - 7.6.5. The Contractor Tagout Signature Book will be attached to the appropriate Hold then forwarded to the Safety Coordinator for review.</p> <p>NOTE: An Appointed KCP&L Representative, upon leaving the plant site, WILL inform the appropriate oncoming Appointed KCP&L Representative or Shift Foremen, or Maintenance Foreman of the status of all Holds requested by him or her and identify the Contractor's Representative for such Holds. The oncoming Appointed KCP&L Representative, Shift Foremen, or Maintenance Foreman WILL assume responsibility for such Holds including the release of all Contractor Tagout Signature Books and any corresponding Holds.</p> <p>NOTE: The Appointed KCP&L Representative WILL assume responsibility for signing off any Contractor Representatives when they are not onsite and informing them that protection has been released before continuing work on the next shift.</p>				
9.1	8.1	Construction Safety and Health Field Audit	32	Deletion
This information shall be made available for review by the KCP&L Construction Safety Management Representative or Appointed KCP&L Representative.				
10.0	N/A	Protection of the Public and Property	33	Deletion
Entire section was deleted. Refer to Revision 4 CSR document for details.				
11.2	9.2	Personal Protective Equipment	34	Deletion
<p>7. Shirts must cover the entire mid-section and sleeves consisting of 4" which must cover the entire shoulder. Sleeveless shirts, tank tops, net shirts, etc., shall not be worn. Appropriate flame resistant or retardant clothing shall be worn around hot work, welding or in areas where thermal reaction takes place.</p>				
11.3	N/A	Respiratory Protection	35	Deletion
Entire section was deleted. Refer to Revision 4 CSR document for details.				
11.4	9.3	Fall Protection/Prevention & Rescue	36	Deletion
<p>2. Contractors utilizing a horizontal lifeline shall be of manufactured or engineered design.</p> <p>3. This information shall be provided to KCP&L Construction Safety Management Representative or Appointed KCP&L Representative for review and prior to installation.</p> <p>4. Each employee on walking/working surfaces shall be protected from falling through holes (including skylights) more than six (6) feet above lower levels, by personal fall arrest systems, covers, or guardrail systems erected around such holes.</p>				

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11.4	9.3	Fall Protection/Prevention & Rescue	36	Deletion
<p>5. When a Contractor employee is exposed to falling objects, the Contractor employer shall erect toe-boards, screens, guardrail systems, or an overhead canopy to prevent objects from falling from higher levels. The area below may be barricaded with red barricading tape to prevent access to the hazardous area.</p> <p>6. Any Contractor creating a fall hazard on the job site shall correct such conditions.</p> <p>7. Use of body belts for fall protection is prohibited. A full body harness is required. Lanyards must be double-legged, shock absorbing.</p> <p>8. Fall protection equipment will be inspected by the user before each use. Any defective equipment will be immediately taken out of service and tagged as "out of service."</p> <p>9. If fall protection equipment is subjected to a shock or fall load, it must be taken out of service immediately.</p> <p>10. Fall protection equipment shall not be used for any other task such as raising and lowering tools, rigging materials, etc.</p>				
11.4	9.3	Fall Protection/Prevention & Rescue	36	Deletion
<p>13. OSHA standards do not provide a specifically allowable time to remain suspended in a harness following a fall event. There are, however, circumstances that, when taken in consideration with other OSHA requirements, could result in a maximum allowable suspension time. An example of this is 1910.269, where the standard requires that employees exposed to electrical shock at fixed work locations must be able to be reached by trained persons within four (4) minutes.</p>				
11.5	9.4	Scaffolds	37	Deletion
<p>KCP&L recognizes scaffolding as being one of the top four major causes of accidents in construction.</p> <p>2. Each platform on all working levels of scaffolds shall be fully planked or decked between the front uprights and the guardrail supports.</p> <p>3. Vertical ties/braces shall not exceed a 4:1 ratio with the minimum base width of the scaffolding. Horizontal increments for ties shall not exceed 30 feet.</p> <p>4. Supported scaffold poles, legs, posts, frames and uprights shall bear on base plates, mudsills or other adequate firm foundation. Footings shall be level, sound, rigid and capable of supporting the loaded scaffold without settling or displacement.</p> <p>5. An approved ladder or equivalent safe access shall be provided on all scaffolding systems. Additional fall protection shall be required if the interval distance between the scaffolding base and the lower level is 35 feet or greater.</p> <p>7. All cross bracing must be installed in accordance with the manufacturer's instructions.</p> <p>8. When wire rope clips are used on suspension scaffolds, U-bolt clips shall not be used at the point of suspension for any scaffold hoist.</p> <p>9. An insulated thimble shall be used to attach each suspension wire rope to its hanging support.</p> <p>10. The suspension wire rope shall be covered with insulating material extending at least four (4) feet above the hoist.</p> <p>11. The tail line shall be insulated to prevent contact with the platform.</p> <p>12. Each hoist shall be covered with insulated protective covers. In addition to a work lead attachment required by the welding process, a grounding conductor shall be connected from the scaffold to the structure.</p> <p>13. All employees shall receive training as required by OSHA scaffold standard and shall provide documentation on training per request.</p>				

Section		Title	Rev 4 Page #	Addition/Deletion/Move/Revised
Rev 4	Rev 5			
11.6	9.5	Excavation/Trenching	38	Deletion
<p>1. KCP&L recognizes excavations are one of the top four major causes of accidents in construction.</p> <p>3. ...contractor shall complete a Ground Penetration, Excavation and shoring approval form. Contractor's form shall be equivalent to the sample as provided in Attachment E – Ground Penetration, Excavation and Shoring located online at http://www.kcpl.com/business/contr_safety.html or by contacting your Appointed KCP&L Representative. The completed document shall be given to the Appointed KCP&L Representative for review prior to work activities commencing. Form shall be posted at the excavation site. Upon excavation close-out, final copy shall be given to the Appointed KCP&L Representative.</p> <p>4. Prior to any excavation, trench work or drilling operations, all underground utilities shall be located and marked. Contractors shall contact their Appointed KCP&L Representative for underground locations on its property. Locations shall be identified in advance to prevent injuries or impacts to the community.</p> <p>5. If underground lines cannot be located, proper precautions shall be taken to protect Contractor employees while physically locating them.</p> <p>6. All excavations five (5) feet or deeper, or less in unstable soil, shall be sloped, shored, or shielded to prevent cave-ins.</p> <p>7. Contractors utilizing trench boxes and/or shielding systems shall have the tabulated data available for review by the KCP&L Construction Safety Management Representative or Appointed KCP&L Representative.</p>				
Section		Title	Rev 4 Page #	Addition/Deletion/Move/Revised
Rev 4	Rev 5			
11.6	9.5	Excavation/Trenching	38	Deletion
<p>9. Barricades around open holes, trenches, drop-offs, etc., shall be weighted or secured to the ground to prevent displacement by wind.</p> <p>10. Coverings for open trenches or excavations shall be of sufficient strength to support the weight of the heaviest vehicle operating in the area or roadways. Cover shall be labeled as "hole" or "opening."</p> <p>11. Materials and equipment shall be stored in approved areas when not in use and where they will not constitute a hazard. The Contractor shall inspect all construction and storage areas as often as necessary to remain aware of conditions.</p> <p>12. All excavated and available material shall be retained two (2) feet or more from the edge of the excavation. All excess trench spoil shall be trucked from the Site when excavated unless storage is approved by the Appointed KCP&L Representative.</p> <p>13. All excavations deeper than 4 feet deep and containing a potential for a hazardous atmosphere or oxygen deficiency (less than 19.5% oxygen) shall be tested before Contractor employees enter excavation to ensure safe working conditions.</p> <p>14. No person(s) shall perform any work in a trench or excavation that contains accumulated water.</p> <p>15. Walkways or bridges with standard guardrails shall be provided where employees or equipment are required to cross over excavations.</p> <p>16. All excavations four (4) feet or deeper shall have a ladder for access into excavation with no more than 25 feet of travel in any direction.</p>				
11.6	9.5	Excavation/Trenching	38	Addition
<p>2. Prior to excavation, trenching and ground penetration procedures, contractor shall complete the Ground Penetration, Excavation and Shoring documentation as identified in KCP&L's Supply Safety Rules and Procedures (SP-023A Attachment 9.1) The completed document shall be given to the Appointed KCP&L Representative for review prior to work activities commencing. Upon excavation close-out, final copy shall be given to the Appointed KCP&L Representative.</p>				

Section		Title	Rev 4 Page #	Addition/Deletion/Move/Revised
Rev 4	Rev 5			
II.6	9.6	Electrical	39	Deletion
<ol style="list-style-type: none"> All electrical work shall be in compliance with the latest edition of the National Electrical Code whenever possible, unless otherwise provided by OSHA regulations or codes defined by the Authority Having Jurisdiction. Use electrical tools, cords, appliances, etc., that comply with OSHA and the National Electrical Code standards. Only trained electricians who are qualified electricians familiar with the National Electrical Safety standard, Code Section 230, shall make electrical repairs and/or installations. No work shall be performed on or near unguarded electrical circuits unless a qualified person has tested the circuit to assure there are no live parts. Periodic inspections shall be performed and documented by a Competent Person for all temporary (GFCI) outlets. This information shall be available for review by the KCP&L Construction Safety Management Representative or Appointed KCP&L Representative. Temporary wiring shall be removed immediately upon completion of construction or the purpose for which the wiring was installed. Extension cords shall be protected from damage incurred by vehicles or materials. Worn or frayed electric cords or cables shall not be used. Flexible cords shall be used only in continuous lengths without splice or tap. 				
II.8	9.7	Housekeeping & Sanitation	39	Deletion
<ol style="list-style-type: none"> Housekeeping is everyone's job. Adequate housekeeping must be maintained at all times. This includes parking areas, break rooms, common areas, construction zones and toilet and drinking water facilities. Stairways, scaffolds, ramps, platforms, walkways, and work areas shall be kept clear of trash, debris, material and related items. 				
II.9	9.8	Cranes	40	Deletion
<ol style="list-style-type: none"> All operators of mobile cranes shall be CCO certified and a copy of this information shall be made available to the KCP&L Construction Safety Management Representative or Appointed KCP&L Representative. within thirty (30) calendar days prior to the critical lift unless a less notification period is approved by the KCP&L Construction Safety Management Representative or Appointed KCP&L Representative in writing. The Contractor shall meet 29 CFR 1926.1404 Assembly/Disassembly – general requirements which applies to all assembly and disassembly operations. Before commencing assembly/disassembly operations, the A/D director shall ensure that each crew member understands all of their tasks and the hazards associated with their tasks and this information shall be documented and each crew member, operator, signal person etc, shall sign the document and this document shall be posted at the work location or be in the possession of the A/D director and made available upon request by the Construction Safety Management Representative or Appointed KCP&L Representative. Where encroachment precautions are required, all of the requirements must be met and a planning meeting shall be conducted and steps that will be implemented to prevent encroachment/electrocution shall be documented as outlined in 29 CFR power line safety up to 350 kv – assembly and disassembly as well as (all voltages) and this document shall be made available upon request by the Construction Management Representative or Appointed KCP&L Representative. The Contractor shall designate a Competent Person who shall inspect all machinery and equipment prior to each use and during use to make sure it is in safe operating condition. Any deficiencies shall be repaired, or defective parts replaced, before continued use. A preventative maintenance schedule for cranes, wire rope, slings etc. will be maintained and records made available upon request. All crane operations shall be in accordance with ASME/ANSI. B30.5 September 27, 2004 and the Crane Institute of America or similar standards. Contractors shall provide qualified signal persons. 				

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		10. Signals to the equipment operator shall be given by one person designated to perform this task. Crane hand signals shall be posted in the area where signalman and cranes operate.		
		11. All crane operations will have the required number of ground support personnel, (i.e. signal men) as required by 29 CFR 1926.1419. A horn or other audible device shall be used to alert employees of a pick.		
		13. Accessible areas within the swing radius of the rear of the rotating superstructure of the crane, either permanently or temporarily mounted, shall be barricaded in such a manner as to prevent anyone from being struck or crushed by the crane. No person shall be under a suspended load or inside the angle of a hoist line. No person shall stand or work near a cable, chain or rope under tension.		
		14. Whenever there is a concern as to safety, the operator shall have the authority to stop and refuse to handle loads until a qualified person has determined that safety has been assured.		
		15. Operators shall not leave their position at the controls of cranes, hoists, derricks or other lifting devices while the load is suspended. When making a lift outside of the operators visual site, only authorized persons shall be allowed to enter within the barricaded rotating superstructure of the crane's swing radius boundaries, as deemed necessary by the crane operator, and must be visible to the crane operator at all times in order to relay the signals during the lifting operations.		
		16. Lighting, flagging, raising and lowering of crane booms shall be done in accordance with good safety rules and procedures.		
11.9	9.8	Cranes	40	Deletion
		17. Hoisting of Contractor employees on a suspended work-platform/man-basket with a crane or derrick is prohibited, except when conventional means of reaching the work site would be more hazardous or is not possible because of workplace conditions. In the event a crane suspended work platform must be utilized, compliance with 29 CFR 1926.550(g) shall be met and verification of regulation conformance must be submitted by the Contractor to the KCP&L Construction Safety Management Representative or Appointed KCP&L Representative prior to the use of the work-platform/man-basket.		
		18. No person shall be permitted to ride the hook, sling, or load of any hoisting equipment.		
		19. Load limits, as specified by the manufacturer, shall not be exceeded under any circumstances.		
		20. Maintain adequate distance between the crane and energized power lines according to OSHA 29 CFR 1926.1408, 1926.1409, 1926.1410 and 1926.1411 standards. Operators of cranes, derricks, hoists and hoisting equipment shall exercise extreme caution when in close proximity to energized lines or equipment. The operator shall keep the equipment at least ten (10) feet away from all lines energized up to 50 kV.		
		21. All sling and crane load line hooks shall have safety latches installed or shall be moused. (This does not apply to specialty slings and hooks, such as sorting or shake out slings or self-adjusting pipe slings). Specialty slings and hooks shall not be used to set steel or move materials over workers.		
11.9	9.8	Cranes	40	Addition
		1. All operators of mobile cranes shall be Certified Crane Operators (CCO) and a copy of the certification shall be provided to the KCP&L Construction Safety Representative or Appointed KCP&L Representative.		
		5. When making a lift, only the signal person shall be allowed to enter within the barricaded area and must be visible to the crane operator at all times in order to relay the signals during the lifting operations.		
11.10	9.9	Rigging	41	Deletion
		1. All rigging shall be inspected prior to each use. Rigging found with damage or excessive wear shall be taken out of service and removed from job site immediately.		
		2. All rigging (come-a-longs), hoists, slings, chokers, etc.) used for lifting, pulling, setting, etc. shall have the load capacity clearly marked as provided by the manufacturer or engineer.		

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<p>4. All sling and crane load line hooks shall have safety latched installed or shall be moused. (This does not apply to specialty slings and hooks, such as sorting or shake out slings or self-adjusting pipe slings.) Specialty slings and hooks shall not be used to set steel or move materials over workers.</p> <p>5. Specialty hooks (i.e. sorting hooks) shall only be used as recommended by the manufacturer.</p> <p>6. The use of nylon/synthetic slings on structured steel is prohibited unless softeners are provided.</p> <p>7. All slings shall be protected from damage on sharp corners.</p>				
11.11	9.10	Steel Erection	42	Deletion
<p>4. Before authorizing the commencement of steel erection, the controlling contractor shall ensure that the steel erector is provided with the following written notifications:</p> <p style="padding-left: 40px;">b. The concrete in the footings, piers, walls and the mortar in the masonry piers and walls have attained, on the basis of an appropriate ASTM standard test method of field-cured samples, of 75 percent of the intended minimum compressive design strength.</p> <p style="padding-left: 40px;">c. Any repairs, replacements and modifications to the anchor bolts were conducted in accordance with 1926.755(b).</p>				
11.12	N/A	Ladders and Stairs	42	Deletion
Entire section was deleted. Refer to Revision 4 CSR document for details.				
11.13	N/A	Mobile Equipment	43	Moved to 10.0 Disciplinary
<p>1. Follow all posted speed limits while driving on KCP&L property. This will be monitored and speeding will not be tolerated.</p>				
11.13	9.11	Mobile Equipment	43	Deletion
<p>3. Anyone in violation of the posted speed limits may be subject to removal from the property.</p> <p>5. Sitting on the sides or standing up on a truck bed as a vehicle is in motion is strictly prohibited.</p> <p>6. Each Contractor or supplier employee driving motor vehicles on KCP&L property shall have a valid driver's license.</p> <p>7. All vehicles shall be inspected at the beginning of each shift to assure the equipment is in safe operating condition. If defects are noted, they must be corrected before use on KCP&L property.</p> <p>8. The Contractor shall furnish, at his/her own expense, flagmen as necessary to control the work traffic, unless otherwise directed by the KCP&L Construction Safety Management Representative or Appointed KCP&L Representative.</p> <p>10. All vehicles with obstructed view to the rear shall be equipped with a functioning back-up alarm.</p> <p>11. All construction equipment windshields and side windows shall be clean and unbroken. Safety equipment such as head, tail, brake, and clearance lights shall be kept clean and tested daily, or at the beginning of each shift while operating on the Site.</p> <p>12. Heavy equipment with rotating superstructures shall be guarded in such a manner that rotation of the superstructure shall not present a hazard to pedestrians or infringe into any traffic lane.</p>				
11.14	9.12	Powered Industrial Trucks	44	Deletion
<p>1. Safety equipment such as lights, backup alarms, horns, seat belts and parking brakes are to be functioning properly and used when operating powered industrial trucks on KCP&L property. Inspection reports must be maintained on site for review by the KCP&L Construction Safety Management Representative or Appointed KCP&L Representative on request.</p> <p>2. Any equipment found to be defective shall not be used until repaired. KCP&L reserves the right to prohibit use of equipment found to be defective.</p>				

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<p>3. Contractors using nylon or steel chokers around fork lift forks are prohibited unless utilizing a jib that is approved by the manufacturer.</p> <p>4. A placard identifying the truck's load capacities must be clearly displayed somewhere on the truck. Maximum weight capacities of the truck shall never be exceeded under any circumstances.</p> <p>5. Contractor shall ensure that each operator of a powered industrial truck has been trained according to OSHA and manufacturer requirements prior to use/operation.</p>				
11.15	N/A	Aerial/Scissor Lifts	44	Deletion
Entire section was deleted. Refer to Revision 4 CSR document for details.				
11.16	N/A	Compressed Gas	45	Deletion
<p>1. Care shall be exercised in handling all compressed gas cylinders. They shall not be dropped, jarred, or exposed to temperature extremes. When moving around the Site via use of forklift or other transportation means, the regulator shall be removed and replaced with the appropriate cylinder caps.</p> <p>2. Cylinders shall have the valve cap or valve protection device in place at all times, except when in use or connected to a welding set. Cylinders shall be secured by a chain or wire.</p> <p>3. Cylinders shall not be rolled and shall not be lifted by the valve or valve cap; a suitable cradle or other device shall be used.</p> <p>4. Cylinders shall have their contents properly identified.</p> <p>5. Compressed gas cylinders, whether full or empty, shall be stored and transported in an upright position and chained or otherwise secured so they cannot fall or be upset.</p> <p>6. Oxygen cylinders in storage shall be separated from fuel-gas cylinders or combustible materials a minimum distance of 20 feet or by a 5-foot high non-combustible barrier having a fire resistance of at least one half hour.</p> <p>7. Cylinders shall not be placed where they might become part of an electric circuit or within five (5) feet of an electrical outlet.</p> <p>8. Before the regulator is removed from a cylinder, the valve shall be closed and all pressure shall be released from the regulator.</p> <p>9. A leaking cylinder shall not be used. Such cylinders shall be taken outdoors away from sources of ignition. The Contractor supervisor shall be notified.</p> <p>10. A flame shall never be used to detect gas leaks.</p> <p>11. The recessed top of cylinders shall not be used as a place for tools.</p> <p>12. Oil, grease, or similar materials shall not be allowed to come in contact with any valve, fitting, regulator, or gauge of oxygen cylinders.</p> <p>13. Oxygen shall never be used as a substitute for compressed air.</p> <p>14. When an oxygen cylinder is in use, the valve should be opened fully in order to prevent leakage around the valve stem.</p> <p>15. Acetylene – Acetylene cylinders shall be properly secured and always used, transported or stored in a vertical position. Cylinders shall be protected from sparks, flames and contact with energized electrical equipment.</p> <p>16. An acetylene cylinder valve shall not be opened more than 1-1/2 turns of the spindle and preferably no more than ¾ of a turn.</p>				

Section		Title	Rev 4 Page #	Addition/Deletion/Move/Revised
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11.17	9.14	Welding & Cutting	46	Deletion
<p>1. Contractor employees shall wear the appropriate shade of lens for the cutting or welding operation they are performing.</p> <p>4. Cable free from repair or splices, for a minimum distance of 10 feet from the cable end to which the electrode holder is connected, shall be used.</p> <p>5. If connections are effected by means of cable lugs, they shall be securely fastened together to give good electrical contact and the exposed metal parts of the lugs shall be completely insulated.</p> <p>6. Contractors cutting or welding in the area of the fuel yard, bunker rooms, and coal handling conveyor systems will require a cutting and welding permit provided by the Appointed KCP&L Representative.</p> <p>7. The work area shall be cleared of all loose combustible materials for at least 35 feet in all directions.</p> <p>8. For all combustible materials that cannot be removed, they shall be protected in an appropriate manner, such as wetting down or placing of protective blankets, etc., in the vicinity where the welding or cutting is to take place.</p> <p>9. An appropriate fire extinguisher shall be at the work site.</p> <p>10. Contractor shall post a firewatcher from the start of the cutting and welding activities until one half hour after the welding flame is extinguished.</p>				
11.18	9.15	Blasting	46	Deletion
<p>At a minimum, the following information shall be included:</p> <p>1. Name and qualifications of the blaster.</p> <p>2. Blasting communication procedures.</p> <p>3. Type of blasting agent and the blasting method.</p> <p>4. Fly rock suppression system, including blasting mats.</p> <p>5. Lightning detection.</p> <p>6. Traffic controls and warning signals.</p> <p>7. PPE to be worn.</p> <p>1. Exercise the utmost care not to endanger life or property.</p> <p>5. All blasting shall be of non-electronic type and blasting mats must be used.</p> <p>6. Notification shall be given to each property owner and public utility company, having structures or facilities in the proximity of the work site where the explosives are intended to be used. Such notice shall be given in advance to enable them to take such steps, as they deem necessary to protect their property from damage.</p> <p>7. The blaster shall provide the KCP&L Construction Safety Management Representative or Appointed KCP&L Representative with a shot pattern plan prior to each shot. The plan shall include the number of holes, depth of the holes and the size of the holes, explosive weight per hole, stemming used and number of delays.</p> <p>8. The Competent Person shall conduct an inspection of the area and surrounding rubble to determine if all charges have been exploded before allowing workers to return.</p>				

Section		Title	Rev 4 Page #	Addition/Deletion/Move/Revised
Rev 4	Rev 5			
11.19	9.16	Confined Spaces	47	Deletion

It is the responsibility of the contractor to identify confined space areas as outlined in the contractor's confined space program.

1. Entry Requirements:

- a. Air Quality Testing - Before any person enters a confined space, the Contractor planning to enter the space, shall do air quality testing for oxygen deficiency for abundance, flammable gases or chemical contamination.
- b. Notice of Permit Entry - If air-testing reveals oxygen levels are not between 19.5% and 20.9% and Lower Explosive Limit (LEL) is above 10%, and if other hazards are identified the Contractor shall give notice to the KCP&L Construction Safety Management Representative or Appointed KCP&L Representative before entry. Air testing results must be recorded by the person performing the air test.
- c. Entry Without Notice – No notice is required if air testing reveals oxygen levels between 19.5% and 20.9% and Lower Explosive Limit (LEL) is below 10%, and if no other hazards are identified. Air testing results must be recorded by the person performing the air test.
- d. Alternate Entry – Contractors shall adhere to OSHA's 1910 (c) (5) requirements and in addition shall demonstrate that there are no atmospheric hazards and that the ventilation will keep the air inside the space safe for entry. The Entry Permit shall include:
 - i) Volume of the space to be entered
 - ii) Capacity and configuration of the ventilation equipment to be used
 - iii) Identified atmosphere hazards and potential hazards
 - iv) The sampling results from routine testing of the space from the time ventilation has begun through final determination of acceptable entry conditions
 - v) Atmospheric hazards created by work in the space

In addition to the above Alternate Entry requirements,

- vi) Contractor shall demonstrate that the only hazard posed by the permit space is an actual or potential hazardous atmosphere
- vii) Contractor shall demonstrate that continuous forced air ventilation alone is sufficient to maintain that space safe for entry
- viii) Contractor shall develop monitoring and inspection data that supports the demonstrations required by paragraphs 1910(c)(5)(i)(A) and 1910(c)(5)(i)(B).
- e) Permit-Required Entry – If hazards are identified in the space or air-testing results are outside the acceptable ranges given above, then prior to entry, hazards must be eliminated such as through the use of a ventilating fan, trench box, etc.
- f) All permit-required confined spaces shall be continually monitored during entry for oxygen concentration, combustible or explosive vapors and toxic chemicals when necessary. If conditions in the space become different than those specified on the notice, the entrant shall be immediately instructed to exit the space.
- g) All means necessary to isolate a space from stored energy (electrical or otherwise) shall be performed to eliminate the threat of potential hazards and documented on the notice.
- h) A trained attendant will be present outside the permit confined space during all entrance activities. The attendant shall not enter the confined space for any reason. Only specially trained rescuers shall be utilized for permit-required confined space rescue.

Section		Title	Rev 4 Page #	Addition/Deletion/Move/Revised
Rev 4	Rev 5			
11.19	9.16	Confined Spaces	47	Deletion
<p>i) <u>Training</u> – All entrants, attendants and rescue teams must have received confined space safety training prior to entry. Persons testing the air quality must be trained to properly use air-testing meters. This documentation shall be on site and available for review by the KCP&L Construction Safety Management Representative or Appointed KCP&L Representative.</p> <p>j) Only Contractor employees who have been properly trained on the hazards associated with confined space work shall be allowed to enter a confined space.</p> <p>k) Before any entrance cover to a confined space is removed, it shall be determined that there are no temperature or pressure differences, or other hazardous conditions that may injure the Contractor employees removing the cover.</p> <p>l) When covers are removed from the confined spaces, the opening shall be guarded by a railing, temporary cover, or other temporary barrier.</p> <p>m) Prior to entering a confined space, all levels of the confined space shall be tested for the presence of flammable or toxic gases and vapors or an oxygen deficient atmosphere.</p> <p>n) If flammable or toxic gases or vapors are detected or if an oxygen deficiency is found, forced ventilation shall be used to maintain oxygen at a safe level and to prevent a hazardous concentration of flammable or toxic gases and vapors.</p> <p>p) Contractor shall provide KCP&L with a written confined space program that outlines the necessary information.</p> <p>q) This information shall include but not limited to hazard identification procedures, hazard abatement and control, permit system, employee training, proper equipment, rescue procedures along with procedures for atmospheric testing.</p> <p>t) When working in confined spaces, compressed gas cylinders must be kept outside of the space. Valves shall be turned off at the regulator when going to break/lunch and the regulators shall be removed during shift change.</p>				
11.19	9.16	Confined Spaces	47	Addition
It is the responsibility of the contractor to identify permit-required confined space areas as outlined in OSHA standard 1910.146.				
11.20	N/A	Commercial Diving Operations	50	Deletion
Entire section was deleted. Refer to Revision 4 CSR document for details.				
11.21	N/A	Landscape & Grounds Maintenance	50	Deletion
Entire section was deleted. Refer to Revision 4 CSR document for details.				
11.22	N/A	Hand & Power Tools	53	Deletion
Entire section was deleted. Refer to Revision 4 CSR document for details.				
11.23	9.17	Radioactive Sources	53	Deletion
1. Contractors utilizing radioactive sources (such as for tube x-rays) shall place the appropriate caution tape (magenta and yellow) around the area of potential exposure.				

Section		Title	Rev 4 Page #	Addition/Deletion/Move/Revised
Rev 4	Rev 5			
11.24	9.18	Barriers, Barricades and Safety Tape	54	Deletion
<p>a. Caution tape - Three-inch wide yellow tape with the word "CAUTION." This tape may be crossed by personnel that are wearing the proper PPE and are aware of the hazards involved.</p> <p>c. Warning tape - Three-inch wide orange tape with the wording "WARNING – AUTHORIZED PERSONNEL ONLY" printed on it in black. This tape shall not be crossed except by authorized employees that have a job to perform within the area isolated by the tape and have been advised of the hazards.</p> <p style="padding-left: 40px;">i. Areas defined by orange tape must be manned at all times.</p> <p>e. <u>Danger tape</u> – Three-inch wide red tape with the word "DANGER" printed on it in black. This tape shall not be crossed at any time for any reason.</p> <p>9. If there are any questions regarding the safety tape, contact the KCP&L Construction Safety Management Representative or Appointed KCP&L Representative.</p>				
11.25	9.19	Miscellaneous	55	Moved to 10.0 Disciplinary Action
<p>17. Any Contractor employee who is found to be in violation of these safety rules or other KCP&L policies or procedures is subject to immediate removal from the job site.</p> <p>18. Violations may result in extended or permanent banishment from KCP&L property.</p>				
11.25	9.19	Miscellaneous	55	Deletion
<p>1. Contractors must provide safety devices on all air compressors with hoses exceeding one-half (1/2) inch inside diameter at the source of supply or branch line to reduce pressure in case of hose failure.</p> <p>2. Compressed air at or below 30 psi may be used to clean/blow off clothing provided care is taken to not make skin contact.</p> <p>5. Contractor use of portable gas, charcoal or other fuel source bar-b-que grills or cooking appliances is strictly prohibited on KCP&L Sites. This includes parking areas unless express written approval is obtained from the KCP&L Construction Safety Management Representative or Appointed KCP&L Representative.</p> <p>6. Prevent trash, water, snow, dirt, debris, or other transient materials from entering into or remaining in construction and/or maintenance areas.</p> <p>7. Prevent construction/maintenance activities or materials from hampering any fire and rescue vehicles access to the Site.</p> <p>15. Exits must be kept free of obstruction at all times.</p> <p>19. Any Contractor employee who is found to be in violation of these safety rules or other KCP&L policies or procedures is subject to immediate removal from the job site.</p> <p>20. Violations may result in extended or permanent banishment from KCP&L property.</p>				

Section		Title	Rev 4 Page #	Addition/Deletion/Move/Revised
Rev 4	Rev 5			
11.26	9.20	Visitors	56	Deletion
<p>1. All group tours will require prior approval by KCP&L's station management. Tours will be arranged and conducted by an Authorized KCP&L Representative.</p> <p>2. All unauthorized personnel wishing to enter a KCP&L Site must have the permission of the KCP&L station management, or the Appointed KCP&L Representative. Permission will only be given upon verification that the unauthorized personnel will be accompanied at all times by an authorized employee.</p> <p>3. Visits by state or federal regulatory officials shall be coordinated with KCP&L Site management.</p> <p>5. All visitors will be provided and expected to wear appropriate personal protective equipment, such as hard hats and safety glasses. High heels, dresses, skirts, or other loose clothing should not be worn. Contractors will provide their visitors with basic PPE such as hard hat, safety glasses and ear plugs. All visitors are expected to wear PPE while on site. Visitors shall wear safety toed shoes as reflected in Section 12.2, # 6.</p>				
11.26	9.20	Visitors	56	Addition
<p>1. All visitors wishing to enter a KCP&L Site must have the permission of the KCP&L station management, or the Appointed KCP&L Representative. Permission will only be given upon verification that visitors will be accompanied at all times by an authorized employee.</p> <p>3. All visitors will be required to comply with KCP&L PPE requirements as outlined in Section 9.2.</p>				
11.27	9.21	Security	57	Deletion
<p>1. KCP&L will have security guards placed at all gates.</p>				
11.28	9.22	Employee Conduct	57	Deletion
<p>If there are any questions pertaining to a specific area where smoking may be prohibited, contact the Appointed KCP&L Representative for clarification.</p>				
12.0	10.0	Disciplinary Action	58	Addition
<p>i. Follow all posted speed limits while driving on KCP&L property. This will be monitored and speeding will not be tolerated.</p> <p>j. Any Contractor employee who is found to be in violation of these safety rules or other KCP&L policies or procedures is subject to immediate removal from the job site.</p> <p>k. Violations may result in extended or permanent banishment from KCP&L property. (MOVED FROM 11.25 MISC.)</p>				
Attachment A		Driver, Vendor & Visitor Handout	59	Deleted
<p>Entire section was deleted. Refer to Revision 4 CSR document for details.</p>				
Attachment B		Contractor Safety Quick Reference	60	Deleted
<p>Entire section was deleted. Refer to Revision 4 CSR document for details.</p>				