

Environmental Management and Construction Plan

**Appendix K**

**Overhead Electric Safe Work Method  
Statement**

**Empire Generating Co, LLC  
16" Gas Pipeline Interconnect Project**

October 2008

## Safe Work Method Statement/Job Safety Analysis – Electrical Overhead Lines

<b>Company Name:</b> LGC	<b>PROJECT NAME/NO:</b> EMPIRE GENERATING
<b>Work Activity/Task:</b> Overhead Electrical Safety	<b>Principal Contractor:</b>
<b>Date:</b>	<b>Note:</b> Sign off to be provided at Tool Box talk
<b>Prepared by:</b>	<b>Supervisor:</b>
<b>Signature:</b>	<b>Safety Coordinator:</b>

<b>Plant &amp; Equipment Required:</b> Warning signs, barricades and tools (non-conductive if required)	<b>Training Requirements (in addition to those listed in project’s written safety plan):</b> <ul style="list-style-type: none"> <li>• National Grid Contractor Electrical Awareness Video</li> </ul>
--	--

<b>Job Step</b>	<b>Potential Hazard</b>	<b>Controls</b>
General Hazards	Electric Shock/ Electrocution	<ul style="list-style-type: none"> <li>• All personnel working around electrical equipment have completed electrical safety training.</li> <li>• Assume all electrical equipment and wires are energized until tested.</li> <li>• When working with or around electrical equipment or lines use non-conductive tools and ladders.</li> </ul>
Working Near or Under Overhead Power Lines	Electric Shock/ Electrocution and Arching	<ul style="list-style-type: none"> <li>• Maintain safe working distances based upon the voltage of the line for any part of the equipment, including booms, buckets, articulating arms, masts, etc. National Grid requires 10 feet clearance.</li> <li>• Movement of powerlines due to weather or other conditions must be taken into account in determine the safe work distance.</li> <li>• When equipment parts may be operating close to the safe working distance limit, a spotter must be used to watch and warn operator when approaching the safe working distance.</li> <li>• When safe working distance can not be maintained, the utility or owner of the lines must be contacted to de-energize and ground. The utility or owner must install protective non-conducting shielding only if line cannot be de-energized. Never try to de-energize or shield utility lines your self.</li> <li>• When moving equipment under or near overhead power lines, equipment parts must be lowered to lowest setting and maintain the safe working distance.</li> <li>• On sites where overhead powerlines exist, erect warning signs in areas of site activities to warn people of the existence of the overhead lines.</li> <li>• If equipment contacts overhead lines occurs, personal must not touch any part of the equipment. Contact utility company immediately. Keep back safe distance until line has been de-energized.</li> </ul>

## Safe Work Method Statement/Job Safety Analysis – Electrical Overhead Lines

<b>Company Name:</b> LGC	<b>PROJECT NAME/NO:</b> EMPIRE GENERATING	
<b>Work Activity/Task:</b> Overhead Electrical Safety	<b>Principal Contractor:</b>	
<b>Date:</b>	<b>Note:</b> Sign off to be provided at Tool Box talk	
<b>Prepared by:</b>	<b>Supervisor:</b>	
<b>Signature:</b>	<b>Safety Coordinator:</b>	
<b>Plant &amp; Equipment Required:</b> Warning signs, barricades and tools (non-conductive if required)	<b>Training Requirements (in addition to those listed in project's written safety plan):</b> <ul style="list-style-type: none"> <li>National Grid Contractor Electrical Awareness Video</li> </ul>	
<b>Job Step</b>	<b>Potential Hazard</b>	<b>Controls</b>
Signage	Electric Shock/ Electrocution	<ul style="list-style-type: none"> <li>Review work areas daily to determine where safe working distances must be maintained inside temporary workspace limits.</li> <li>Demarcate the work area with signs or tape.</li> <li>Limit only authorized personal in work area</li> </ul>