
 <p>HEALTH, SAFETY & ENVIRONMENTAL MANUAL</p>	12.11.4 Overhead Electrical Hazards – Critical Task Procedure				
	Initial HIRA Score:	20	Residual HIRA Score:	10	Critical Task: Yes
	Program: 11.4				
	Revision Number: R0		Number of Pages: 2		
	Revision Date:	Approval Date: 10/01/2024	Effective Date: 10/01/2024	SIGNATURE: 	

CRITICAL TASK PROCEDURE

Overhead Electrical Hazards

General

- Ensure legislated minimum distances are maintained:
 - 750 or more volts, but no more than 150,000 volts = 3 meters
 - More than 150,000 volts, but no more than 250,000 volts = 4.5 meters
 - More than 250,000 volts = 6 meters
- Voltages for overhead wires are determined by the utility.
- If voltage is unknown, treat it as 250,000 and keep 6 meters away.
- Assume all lines are live unless they have been locked/tagged out by utility owner.
- Complete the J-AAR Electrical Hazard Plan whenever equipment may encroach on the required setback.
- Overhead hazards must be marked with appropriate signage.

PROCEDURES

Planning

- Complete the J-AAR Electrical Hazard plan.
- Determine the voltage of the lines.
- Working around overhead lines is considered a critical task.
- The signaler and operator/driver must establish a means of communication prior to beginning work.
- Do not stockpile, load, or unload material near power lines.
- Do not locate access roads or ramps near power lines.
- Treat line as energized until notified to the contrary.

During the task

- The operator and signaler must remain in communication throughout the task.

Completion

- Store/park all equipment, tools, and PPE safely as per the manufacturer's instructions.
- Housekeeping as required.

In the Event of Contact with Overhead Lines

If contact has been made with equipment, the operator shall stay in equipment until instructed by proper authority.

- Never touch equipment and ground at the same time
- Get someone to call local utility company to shut off power.
- If you need to leave the equipment due to other danger (ie fire) do not touch the equipment and the ground at the same time, slowly jump with two feet together and shuffle (not step) until you are well



HEALTH, SAFETY &
ENVIRONMENTAL MANUAL

12.11.4 Overhead Electrical Hazards – Critical Task Procedure

Initial HIRA Score: **20** Residual HIRA Score: **10** Critical Task: **Yes**

Program: **11.4**

Revision Number: **R0**

Number of Pages: **2**

Revision Date:

Approval Date:
10/01/2024

Effective Date:
10/01/2024

SIGNATURE:

CRITICAL TASK PROCEDURE

out of the danger zone (remember electricity shall ripple like water through the ground so you must shuffle well away from the affected area)

- Follow instructions of all emergency personnel

JOB HAZARD RISK ASSESSMENT

Initial HIRA Score	Hazards	Controls	Residual HIRA Score
20	Lack of Training/Communication	<ul style="list-style-type: none"> • All operators must be qualified/competent. • Ensure a site-specific orientation has been attended by all crew members. • Ensure JHA carried out before commencing task 	10