



Western

JOB HAZARD ANALYSIS - Task Specific

NEW

REVISED

WORKPLACE TASK TO BE ANALYSED

Grounding High Voltage Equipment

DEPARTMENT

Facilities Management

WESTERN JOB CLASSIFICATION*

Electrician

WESTERN HAZARD CATEGORY*

Energy Hazard

HAZARD TYPE*

Electricity

LOSS POTENTIAL RATING*

High

*refer to Stantec Specific Job Report

DATE:

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REVIEWED BY:

Electrical/Controls Shop

MGMT APPROVAL:

Ken Gee

REQUIRED EQUIPMENT AND/OR PERSONAL PROTECTIVE EQUIPMENT

safety glasses, safety footwear, high voltage gloves, hard hat, flash glasses or shield, fire retardant coveralls and test equipment

SEQUENCE OF TASK	POTENTIAL HAZARDS	ACTION OR PROCEDURE
Assess Work Area	Electrical, Shock, Trip	WP-41, WP-18, WP-17
Review <i>written</i> operation (3 <i>trained</i> people)		
Inspect personal protective equipment and proceed to work site with safety equipment, operation locks and keys (2 people)		
Wear PPE while operating switches, breakers and testing and grounding	Electrical, Shock, Trip	WP-41, WP-18, WP-17
Proceed to follow switching operation	Electrical, Shock, Trip	WP-41, WP-18, WP-17
Communicate by radio or telephone confirming each step		
Apply personal lock to operation multi-lock lockout	Electrical, Shock, Trip	WP-41, WP-18, WP-17
Test proximity tester or live line tester to confirm operation	Electrical, Shock, Trip	WP-41, WP-18, WP-17
Test isolated switch or equipment where grounds are to be applied with tester	Electrical, Shock, Trip	WP-41, WP-18, WP-17
Test proximity tester or live line tester to re confirm operation	Electrical, Shock, Trip	WP-41, WP-18, WP-17
Apply grounds, attach to ground buss first and then touch each isolated component to discharge residual voltage using shot gun stick	Electrical, Shock, Trip	WP-41, WP-18, WP-17
Apply grounds to equipment	Electrical, Shock, Trip	WP-41, WP-18, WP-17
Remove grounds with stick	Electrical, Shock, Trip	WP-41, WP-18, WP-17

Close up equipment		<i>WP-41, WP-18, WP-17</i>
Remove personal lock from operation multi-lock lockout		<i>WP-41, WP-18, WP-17</i>
Return to electrical shop with all keys and locks when operation is complete		