

HSSEQ Form RA-012 Electrical Safety (Inc. Energy Isolation-Process and Electrical)	Revision 0
RISK ASSESSMENT & ENVIRONMENTAL IMPACT	



TASK / ACTIVITY	Electrical Safety (Inc. Energy Isolation-Process and Electrical)	ASSESSMENT DATE	29/07/2016	NEXT REVIEW	28/07/2017	RECORD No	RA-012
		TYPE OF RA	MAIN OPERATIONS <input checked="" type="checkbox"/>		TASK SPECIFIC <input type="checkbox"/>		LOCATION SPECIFIC <input type="checkbox"/>
LOCATION	All locations	ASSESSOR		REVIEWER		MAIN OPER RA AVAILABLE	N/A
PERSONS AT RISK	Foreman/Workers/Visitors			PTW REQUIRED	YES <input type="checkbox"/> / NO <input checked="" type="checkbox"/>	SPECIFY	N/A
ASSOCIATED RAs / SOPs	SOP-012 Electrical Safety (Inc. Energy Isolation-Process and Electrical)						

** To be used with the HSE Impact Matrix (A01-01) & HSE Risk Assessment Impact Flowchart(A01-02)*

No	POTENTIAL HAZARD / ENVIRON. ASPECT	RISK / ENVIRONMENTAL IMPACT	INITIAL RISK	CONTROL MEASURES	RESIDUAL RISK	ACTION BY
01	Electricity Power transmission lines, Machine power cords, motors, solenoids, capacitors (stored electrical energy). Electric equipment	<ul style="list-style-type: none"> Electrocution / serious injury / death Damage to equipment Stop of work 	H6	<ul style="list-style-type: none"> Turn off power at machine first (i.e., at point of operation switch), and then at the main disconnect switch for the machine; lock and tag main disconnect switch (or remove fuses from box, and then lock and tag box Fully discharge all capacitive systems (e.g., cycle Machine to drain power from capacitors) according to manufacturer's instructions. A supervisor is appointed to take responsibility for the whole operation, inform involved personnel and control SIMOPS (Simultaneous operations). 	M4	On site manager/ Foreman

02	<p>Use of office electric appliances</p> <p>Outlets overload, frayed or damaged service and extension cords, faulty equipment</p>	<ul style="list-style-type: none"> • Electrocution / serious injury / death • Equipment damage 	H6	<ul style="list-style-type: none"> • Never use extension cords in place of permanent wiring. If a cord must be used make sure it is properly sized for the voltage and amperage of the equipment. • Avoid unnecessary use of adapters and multi-outlet strips. • Do not run power cords through door openings or under chairs where it may be walked on or pinched 	M4	<p>Building manager/ Supervisor / Office Employee</p>
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