



# MOBILE EQUIPMENT MAIN ENERGY CONTROL PROCEDURE LOCKOUT

For further information on this procedure, see Guide RG-1040, Mobile Equipment – Main Energy Control Process (Lockout and Other Methods), on the IRSST website.

Organization name XYZ	Procedure No. 1234
Date created 12/18/2018	Equipment No. ABC
Last updated 01/19/2019	Type of equipment Bucket loader
	Approved by M. XYZ
	Officer in charge M. XYZ

Consult the manufacturer’s manual as needed when planning and performing certain tasks.

DESCRIPTION OF MOBILE EQUIPMENT			
Make	ABC	Year	2017
Model	XYZ	Licence plate number	ABCDE
Maintenance shop	Central workshop		
Location of devices to be operated for procedure (photos or illustrations)			
			

GENERAL INSTRUCTIONS			
MANDATORY PERSONAL PROTECTIVE EQUIPMENT	<input checked="" type="checkbox"/> Safety footwear	<input checked="" type="checkbox"/> Work gloves	<input checked="" type="checkbox"/> Hard hat
	<input checked="" type="checkbox"/> Safety goggles	<input type="checkbox"/> Insulating gloves	<input type="checkbox"/> Face shield
MATERIAL REQUIRED	2 Personal padlock	1 Wheel chocks	Steering wheel cover
	2 Hasp	Circuit tester	Valve covers
	Labels	Battery terminal covers	1 Blocking device/Stabilizer
	Serial padlock	1 Sign and its fastener	<input checked="" type="checkbox"/> Other – Specify: 4 cones
ASSOCIATED PROCEDURES	<input checked="" type="checkbox"/> Road signs for roadside work	SST-5	<input type="checkbox"/> Confined space entry
	<input type="checkbox"/> Battery terminal removal		<input type="checkbox"/> Other energy control form
	<input type="checkbox"/> Safety instructions for electric vehicle battery		<input type="checkbox"/> Biological contaminants
			<input type="checkbox"/> Other – Specify:

## MOBILE EQUIPMENT

### MAIN ENERGY CONTROL PROCEDURE

### LOCKOUT

STEPS FOR ENERGY CONTROL	
Tasks in question - Maintenance / repair intervention near a hazardous area	Steps to follow 1 to 12
- Minor intervention (e.g. inspection) [Risk analysis required to validate the steps to follow]	1 to 8
- Diagnostic [Risk analysis required to validate the steps to follow]	1 to 3 and 5 to 8
INSTRUCTIONS	ACCESSORIES
1 Notify employees concerned about the work under way.	N/A
2 Park on stable, flat ground, whenever possible. Put the transmission in the specified position. Apply the parking brake.	N/A
3 Lower the equipment's accessories to the ground or desired position.	N/A
4 Shut down the equipment. Remove the key from the ignition, if applicable, and keep possession of it.	N/A
5 Place chocks under the wheels.	1 wheel chock
6 Chock or block any accessories that are not on the ground, as well as those specified by the manufacturer (for example, articulated chassis).	1 stand for the bucket
7 Put up a sign (on the vehicle door or steering wheel, for instance) 1 sign to indicate that work is in progress.	1 sign and its fastener
8 Mark off the work area, in accordance with the procedure.	4 cones
9 Padlock the battery master switch in the OFF position. If there is no battery master switch, disconnect the battery terminals according to the established procedure, put terminal covers on them and lock them in place.	1 hasp and 1 padlock or terminal covers
10 Padlock the other isolating devices.	Close and lock out the main hydraulic valve: 1 hasp, 1 padlock
11 Neutralize residual energy sources not already taken care of.	Consult the manufacturer's manual
12 Run a start-up test with the start button or ignition key. In the case of a start button, lock the cab once the start-up test has been completed.	N/A

CONTINUITY OF WORK
If the work cannot be completed by the end of the shift, <b>ensure a smooth transition with the next work crew</b> until it has installed its own padlocks or proceed with the installation of padlocks belonging to the department, according to the established procedure. Specify the procedure: Use a department padlock with an explanation to ensure the transition

REMOVING PADLOCKS AND RETURNING TO SERVICE
1 Make sure the work is finished and the equipment is in working order.
2 Check that the safety devices that were removed (for example, guards) have been put back in place.
3 Check that all controls are in neutral.
4 Check that the work area around the equipment is clear and notify people concerned about the restart.
5 Remove lockout devices and other accessories, as necessary (chocks, jack stands, etc.).
6 Start up the mobile equipment and check that it is running properly.