



VUL-SWP-006-Operation, Movement and Servicing of the Tracked Screening and Crushing Equipment

SAFE WORK PROCEDURE (SWP)		
Description	Operation, movement and servicing of the tracked screening and crushing equipment	
Site	Vulcan Mine – ROM	
Department	ROM Production – Coal Processing	
PPE Required		Job Hazard Analysis Reference
 Safety helmets must be worn in this area  Ear protection must be worn  Protective footwear must be worn  Protective gloves must be worn  High visibility clothing must be worn in this area  Eye protection must be worn		JHA "Tracked Screening Equipment Operation" JHA "Feed Plant with Digger"
Other Relevant Information		
☐	Relevant OEM instructions and specification available.	☐ First aid supplies available in the work area.
☐	All personnel must be trained, competent and authorised to operate crushing and screening equipment.	☐ Daily Pre-Start meeting.
☐	Operators Fit for Duty.	
VUL SOP / PRO Reference		
VUL-PLN-035-Emergency Planning and Response. VUL-SOP-037-Action to be taken on Discovery of Fire. VUL-SOP-038-First Aid. VUL-SOP-041-Alcohol. VUL-SOP-042(a)-Fatigue. VUL-SOP-042(b)-Physical and Psychological Impairment. VUL-SOP-042(c)-Drugs. VUL-SOP-065-PPE. VUL-SOP-067-Guarding. VUL-SOP-072(c)-Assembling and Maintaining Plant.		VUL-SOP-072(h)-Servicing, Lubricating and Refuelling. VUL-SOP-073-Checking Mobile Plant. VUL-SOP-076-Using Mobile Plant. VUL-SOP-078-Isolation and Tagging. VUL-SOP-089-Dust. VUL-SOP-091-Noise. VUL-SOP-094-Check, Examine and Restrict Work Areas. WUL-SOP-138(a)(b)-Work on or Near Stockpiles. VUL-SOP-144-Lighting.



People, Equipment, Materials and Tools Required			
People	Equipment	Materials	Tools
ROM Supervisor	Processing equipment – screens, impactor and stackers	Run of mine coal	Battery powered grease gun
Load unit operator (s)	UHF and mine radios		
Emergency Response Team	Light vehicles		
Processing operators	AB triple road trains		
Water cart operators	Lightings Plants		
Other HME operators (Grader and dozer, etc.)	Fuelling and service equipment		
Tram/stockpiling operator	Other HME		
	Cribbing and toilet facilities		
REMINDERS	1. Pre-Start Inspections		
<i>Isolate, lock and tag and test for dead.</i> <i>Check all fluids, engine oil, hydraulic oil, coolant etc.</i> <i>Grease plant and equipment daily</i>	1.1 Isolate equipment and test for dead. 1.2 Ensure work area clear from other works. 1.3 Screen belts are clear from coal build up and are tracking correctly. 1.4 Check screens/crusher for excessive build up. 1.5 Guarding in place. 1.6 Wear correct PPE. 1.7 Complete Pre-start inspection book daily. 1.8 Grease daily to keep equipment in good operational condition.		
REMINDERS	2. Starting Screening/Crushing Equipment Engine		
<i>E-Stop both sides of engine bay</i> <i>Make sure you are wearing correct PPE, face mask</i>	2.1 Ensure work area clear from other works and personnel. 2.2 Screen/crusher is clear from coal build up or spillage. 2.3 Guarding in place. 2.4 Correct PPE. 2.5 Ensure warning alarm sounds when key turned on to give warning that starter motor will activate in 10 seconds. 2.6 Positive communications with other work area personnel.		
REMINDERS	3. Moving Screening/Crushing Equipment into Position		
<i>Maximum stacker height of 7m.</i> <i>Overall length of stacker 24m.</i> <i>Positive Communication prior to moving equipment.</i>	3.1 Ensure work area clear from others. 3.2 Spotter in place to assist with movement. 3.3 Screen/crusher is clear of coal build up. 3.4 Guarding in place. 3.5 Correct PPE. 3.6 Positive communications with other work area personnel. 3.7 Ensure equipment is folded down in transport position prior to movement and belts folded in if required. 3.8 Use remote control to drive move equipment. 3.9 Ensure movement warning beeper is functioning correctly.		



REMINDERS	4. Moving Screening/Crushing Equipment into Position
<i>Maximum stacker height of 7m.</i> <i>Overall length of stacker 24m.</i> <i>Positive Communication prior to moving equipment.</i>	4.1 Ensure work area clear from others. 4.2 Spotter in place to assist with movement. 4.3 Screen/crusher is clear of coal build up. 4.4 Guarding in place. 4.5 Correct PPE. 4.6 Positive communications with other work area personnel. 4.7 Ensure equipment is folded down in transport position prior to movement and belts folded in if required. 4.8 Use remote control to drive move equipment. 4.9 Ensure movement warning beeper is functioning correctly.
REMINDERS	5. Aligning Stackers with Screening/Crushing Equipment
<i>Spotter to assist with movement</i> <i>Do not move stacker in elevated position.</i> <i>Ensure access to other equipment is not blocked.</i>	5.1 Ensure work area clear from others. 5.2 Spotter in place to assist with movement. 5.3 Screen/crusher is clear of coal build up. 5.4 Guarding in place. 5.5 Correct PPE. 5.6 Positive communications with work area. 5.7 Use remote control to drive/move equipment.
REMINDERS	6. Starting Conveyor Belts and Crushing/ Screening
<i>Positive communications with work area equipment and other personnel/ pedestrians in the area.</i>	6.1 Ensure stacker conveyor is operating before starting up screening/crushing equipment. 6.2 Ensuring work area clear from other works. 6.3 Drop zones clear of personnel. 6.4 Screening/crusher belts and stackers are clear from coal build up. 6.5 Guarding in place. 6.6 Correct PPE. 6.7 Ensure warning alarm sounds when key turned on to give warning that starter motor will activate in 10 seconds.
REMINDERS	7. Excavator
<i>Ensure bench height is an acceptable level at all times during operations.</i>	7.1 Ensure access ramp onto bench is adequate width and grade, maintain ERT access at all times. 7.2 Ensure single bench height does not exceed 3m from floor level and double bench height does not exceed top of cab height. 7.3 Do not undercut bench or face at any time, maintain rubble catch drain while double benching to avoid engulfment 7.4 Do not overload bucket at any time. 7.5 Position digger on level ground while in loading operations. 7.6 Ensure adequate lighting for NS. 7.7 Maintain emergency access onto bench at all times. 7.8 Ensure that bucket is grounded if other equipment or persons are required to enter the swing radius of the excavator.



REMINDERS	8. Feed Plant with Front End Loader
<i>Ensure stockpile maintains a natural repose at all times.</i>	8.1 Ensure access ramp to plant is adequate width and grade not exceeding 10%. 8.2 Ensure stockpile maintains a angle of natural repose 8.3 Do not undercut stockpile face at any time. 8.4 Do not overload bucket while feeding plant. 8.5 Maintain adequate bunding on access ramp at all times 8.6 Ensure all access points to exposed edges >0.5m on stockpiles have been bunded to restrict access to persons or plant. 8.7 Ensure adequate lighting for NS. 8.8 Maintain emergency access to work area at all times.
REMINDERS	9. Stockpile Management
<i>Remove coal from stockpile/cone under stacker before build up comes within 1m of head roller.</i>	9.1 Positive Communications. 9.2 Enclosed cabin. 9.3 Correct PPE. 9.4 Adequate lighting. 9.5 Push/Pick up coal from side not front (i.e., not towards plant). 9.6 Tram in second gear only with loaded bucket. 9.7 Do not undercut stockpile or face at any time, stockpile must maintain angle of natural repose.
REMINDERS	10. Servicing and Maintaining Plant and Equipment
<i>Spotter for service truck – if needed. Ensure that all servicing personnel are aware of spill kit locations.</i>	10.1 Positive communications. 10.2 Trained, competent and authorised personnel for servicing and maintenance tasks. 10.3 Isolate equipment before servicing. 10.4 Clear access for service truck.
REMINDERS	Shutting Down
<i>If a severe weather event occurs storm/wind/lighting/rain etc.; fold down equipment into travel position. Refer to TARP. VUL-TAR-004-Severe Weather VUL-TAR-005-Lightning</i>	11.1 Ensure work area clear from other works. 11.2 Screening/crushing equipment is clear from coal build up. 11.3 Guarding in place. 11.4 Correct PPE. 11.5 Screening/crushing equipment shutdown prior to stackers to ensure belts unloaded/empty prior to shut down. 11.6 Ensure stackers are lowered and otherwise made secure for any potential severe weather, as applicable. Vacate to indoor appropriate location, if required. 11.7 Isolate all equipment if left unattended.

REVIEW, APPROVAL AND NATURE OF CHANGES

- Evidence of review, approval and revision of this work procedure can be found in the SWP review register.
- The nature of changes to this procedure shall be identified when it is published as current in the SWP review register.

WORKER SIGN-OFF

I confirm that I have read and understood the Safe Work Procedure for **VUL-SWP-04 - Operation, Movement and Servicing of the Tracked Screening/Crushing Equipment** which is available to me and I will follow in the event of undertaking this task.

Name:			
Company:		Job Title:	
Date:		Signature:	