



VUL-SWP-005-Operation, Movement and Servicing of Radial Stacker

SAFE WORK PROCEDURE (SWP)	
Description	Operation, movement and servicing of radial stacker
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 ☐ All personnel trained, competent and authorised: RIIPRO301D – Conduct Crushing and Screen plant Operations ☐ Operators Fit for Duty	☐ First aid supplies available in the work area ☐ Daily Pre-Start meeting
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		
	Generator/power source		

REMINDERS	1. Pre-Start Inspections
Isolate, lock and tag and test for dead. Check all fluids. Grease plant and equipment daily.	1.1 Isolate equipment and test for dead. 1.2 Ensure work area clear from other works. 1.3 Guards and belts are clear from coal build up and belts are tracking correctly. 1.4 Check work area including full arc stack radius for excessive build up/spillage. Hose out concrete/swing arc radius as required. 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 Hydraulic Pump/Motor and Conveyor
E-Stop both sides of stacker Make sure you are wearing correct PPE, face mask	2.1 Ensure work area clear from other works and personnel. 2.2 Stacker is clear from coal build up. 2.3 Guarding in place. 2.4 Correct PPE. 2.5 Ensure warning alarm sounds when key turned on to give warning that hydraulic pump/motor will activate in 10 seconds.
REMINDERS	3. Moving Stacker Round into Position
Maximum stacker height of 15.9m. Overall length of stacker 45.6m. Positive communication prior to moving equipment.	3.1 Ensure work area clear from others. 3.2 Spotter in place to assist with movement. 3.3 Stacker is clear of coal build up/ spillage. 3.4 Guarding in place. 3.5 Correct PPE. 3.6 Positive communications with work area. 3.7 Ensure coal/cone under belt is adequate distance away from head roller. 3.8 Use remote control to drive move equipment/automotive stacking also. 3.9 Ensure movement warning beeper is functioning correctly.



REMINDERS	4. Aligning Stackers with Screening/Crushing Equipment
<i>Spotter to assist with movement if required.</i> <i>Stacker to move in elevated position.</i> <i>Ensure access to other equipment is not blocked.</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 work area. 4.7 Use remote control to drive move equipment/automotive stacking also
REMINDERS	5. Starting Conveyor Belts and Feeder
<i>Positive communications with work area equipment and other personnel/ pedestrians in the area.</i>	5.1 Ensure stacker conveyor is operating before starting up screening/crushing equipment. 5.2 Ensuring work area clear from other works. 5.3 Drop zones clear of personnel. 5.4 Screening/crusher belts and stackers are clear from coal build up. 5.5 Guarding in place. 5.6 Correct PPE. 5.7 Ensure warning alarm sounds when key turned on to give warning that belt/hydraulic pump will activate in 10 seconds.
REMINDERS	6. Stockpile Management
<i>Remove coal from stockpile/cone under stacker before build up comes within 1m of head roller.</i>	6.1 Positive communications. 6.2 Enclosed cabin. 6.3 Correct PPE. 6.4 Adequate lighting. 6.5 Push coal from side not front (i.e., not towards plant/stacker).
REMINDERS	7. Servicing and Maintenance
<i>Spotter for service truck – if needed.</i> <i>Ensure that all servicing personnel are aware of spill kit locations.</i>	7.1 Positive communications. 7.2 Trained, competent and authorised personnel for servicing and maintenance tasks. 7.3 Isolate equipment before servicing. 7.4 Clear access for service truck.
REMINDERS	8. Shutting Down
<i>If a severe weather event occurs storm/wind/lightning/rain etc.; fold down equipment into travel position. Refer to TARP.</i> <i>VUL-TAR-004-Severe Weather</i> <i>VUL-TAR-005-Lightning</i>	8.1 Ensure work area clear from other works. 8.2 Screening/crushing equipment is clear from coal build up. 8.3 Guarding in place. 8.4 Correct PPE. 8.5 Screening/crushing equipment shutdown prior to stackers to ensure belts unloaded/empty prior to shut down. 8.6 Ensure stackers are lowered and otherwise made secure for any potential severe weather, as applicable. Vacate to indoor appropriate location, if required. 8.7 Tie down points located at base of frame, beside the wheels. In case of severe weather event, and if safe to do so, tie down.



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 work 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 Radial Stacker** which is available to me and I will follow in the event of undertaking this task.

Name:			
Company:		Job Title:	
Date:		Signature:	