

# STANDARD OPERATING PROCEDURE

## Extricating Injured/Ill Workers from Haul Trucks

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## EXTRICATING INJURED/ILL WORKERS FROM HAUL TRUCKS

*Tammy Siver*

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*The following is a step-by-step procedure on how to complete a specific task or meet a facility specific requirement. Standard Operating Procedures (SOPs) are written for all identified critical tasks. By virtue of the hazard or complexity associated with critical tasks it is paramount that the SOP be followed as written. SOPs contain a listing of high-level hazards associated with the task, for detailed hazard analysis reference the applicable Task Hazard Assessments. SOPs do not replace the requirements contained in the company Standards, Codes, and Processes nor does it replace the need to comply with required legislation. Section 8.0 references documentation that the worker shall understand before work commences.*

## 1.0 PURPOSE

- To establish a Company standard to safely and effectively carry out work as it applies to aiding in the safe extrication of injured/ill employees from Haul Trucks. This practice is to be used when the injured/ill worker is unable to dismount the truck on their own accord.

## 2.0 SCOPE AND APPLICATION

- This document applies to all Company Heavy Construction Mining operations. Ensure all site-specific requirements are being met or exceeded before performing the task.

## 3.0 HAZARDS AND CONTROLS

- Further injury to worker and rescuers when attempting to move workers with acute or traumatic injuries.
  - Complete a hazard assessment (i.e. FLRA) to identify situation specific hazards and controls to prevent injury during extrication.
  - Do not attempt to rescue injured/ill worker if the rescue attempt causes a threat to your health and safety.
  - Do not attempt to move injured workers who are incapacitated as the result of a traumatic injury i.e. falling, struck or pinned by object, neck & back injury etc. until advised by emergency medical personnel.
- Slipping, tripping or falling injury to rescuers or further injury to worker when attempting to extricate injured worker(s) using stairways or ladders.
  - Use site Emergency Response Teams or contact local Fire Department if required..
  - Use available emergency extrication equipment under the direct supervision of trained rescue personnel.
  - Rescuers will wear fall protection harnesses and tie off when there is potential for falling.

## 4.0 CHECKLIST

- ☐ Attend all preparatory meetings (IE: daily PSI; job scope; review of JSA's and SOP's for the job).
- ☐ Complete FLRA cards before starting the work.
- ☐ Ensure all personnel involved in the task are aware of the hazards and the controls to be used, as identified in the SOP's; JSA's; and FLRA's.
- ☐ Conduct a pre-job inspection of all equipment to be worked on and tools to be used.
- ☐ **Standard of Training required for working on this job: On-the job training.**

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## 5.0 DEFINITIONS

### 5.1 Company

Means North American Construction Group Ltd. (NACG) and all directly or indirectly owned subsidiary companies, including joint ventures.

### 5.2 Company Personnel

Includes the Company's employees, officers, directors, agents, associates, consultants/contractors, temporary employees, and third-party processors.

### 5.3 HSE

Refers to the Health, Safety & Environment department.

### 5.4 ERT

- Emergency Response Team.

## 6.0 PROCEDURE

- 1) Worker notifies supervisor of potential injury.
- 2) Supervisor arrives on scene to perform primary survey.
- 3) Conduct a hazard assessment (i.e. FLRA) prior to boarding the hauler to ensure no additional hazards are present and it is safe to board.
- 4) Supervisor dispatches Emergency response team (ERT) to emergency meeting point.
- 5) Supervisor will appoint an escort to meet ERT at the designated emergency meeting point.
- 6) Escort will lead ERT to the injured worker.
- 7) Supervisor will assist ERT as requested.

### 6.1 ERT Procedure

**Note: This procedure is to be used by trained medical personnel only at remote work locations where there is no access readily available to site ERT.**

- 1) Conduct a hazard assessment (i.e. FLRA) prior to boarding the hauler to ensure no additional hazards are present and it is safe to board.
- 2) Two rescuers will board the hauler bringing one coil of rescue rope and proceed to the location of the injured/ill worker.
- 3) The third and fourth rescuers will remain on the ground to pack the blankets, carabineers, pulley and second coil of rescue rope inside the litter securing them in place with the patient restraint straps.

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- 4) The two rescuers onboard the hauler will assess the injured/ill worker to determine the nature of the injury/illness. If the rescuers suspect the injured/ill worker has suffered potential spinal or internal injuries, the injured worker must be packaged for C-Spine immobilization by a qualified Emergency Medical Technician PRIOR to moving the injured worker.
- 5) One rescuer will remain with the injured/ill worker while the second rescuer moves to the blindside deck of the hauler with the coil of rescue rope.
- 6) Attach one end of the rope to a secure anchor point and deploy the "free end" of the rope to the ground.
- 7) The ground rescuer will attach the "free end" of the rope to the lifting harness of the litter using either a "tracing eight" or a "bowline" knot and signal the rescuer on the hauler deck to hoist the litter.
- 8) The rescuer on the hauler deck will hoist the litter to the deck.
- 9) Untie the rope from the handrail and deploy that end of the rope to the ground. Leave the other end of the rope securely tied to the lifting harness on the litter.
- 10) Place the litter on the flat surface of the hauler deck and unlatch the patient restraint straps placing them outside the litter.
- 11) Remove the contents of the litter and place them on the deck.
- 12) Locate the rescue pulley and the carabineer.
- 13) Attach the rescue pulley around the rescue rope and secure the pulley to the lifting eye on the front of the Hauler cab above the windshield. Use the carabineer to secure the rescue pulley to the lifting eye.
- 14) A ground rescuer will position the pick-up truck (5) five to (10) ten meters in front of the hauler with the tow hitch facing the hauler.
- 15) Set the park brake on the pick-up truck and chock the rear wheels behind the rear tires.
- 16) Place the anchor strap around the "cross member" of the pick-up truck's tow hitch.
- 17) Attach the brake rack to the "free end" of the rescue rope.
- 18) Secure the brake rack to the anchor strap with a carabineer.
- 19) A rescuer on the hauler deck will line the inside of the litter with a blanket.
- 20) Once it is safe to move the injured/ill worker, remove the worker through the passenger door of the hauler cab.

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- 21) The two rescuers will lift the injured/ill worker into the litter.
- 22) Cover the injured/ill worker with the second blanket and secure the worker with the patient restraint straps.
- 23) Attach one end of the second rescue rope to the "foot end" of the litter to be used as a tagline and deploy the "free end" to the ground.
- 24) One ground rescuer will man the tagline and the second ground rescuer will operate the brake rack.
- 25) The rescuers on the hauler deck will position the litter with the "foot end" at the top of the stairway landing of the hauler deck and signal the ground rescuer operating the brake rack with "On Rappel".
- 26) The ground rescuer operating the brake rack will pull the slack from the rescue rope through the brake rack until the rope is tight between the litter and the brake rack.
- 27) Once the rope is tight, the ground rescuer operating the brake rack will signal the rescuers on the hauler with "On Belay".
- 28) With the "On Belay" signal from the ground rescuer, the rescuers on the hauler deck will slide the litter through the stairway opening.
- 29) The ground rescuer operating the brake rack will keep the rescue rope tight while allowing the litter to slowly descend from the hauler. The rescuer operating the brake rack controls the descent speed of the litter.
- 30) The ground rescuer manning the tagline will keep the "foot end" of the litter pulled outward and away from the hauler as the litter descends.
- 31) Once the litter is on the ground, the two rescuers aboard the hauler will dismount and assist in moving the injured/ill worker to the emergency transport vehicle.
- 32) The injured/ill worker will remain secured in the litter until removed by medical personnel.

## 7.0 NOTES

If this task is to be done by a method different than described in this SOP, the work must **STOP** and the alternate method must be **DOCUMENTED** with an adequate hazard assessment tool such as a JSA. The document must be **APPROVED** by a supervisor before such procedures are implemented.

## 8.0 REFERENCES

- No references.

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### 9.0 APPENDICES

- No appendices.