

# STANDARD OPERATING PROCEDURE

## Air Boosting Haul Trucks

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## AIR BOOSTING HAUL TRUCKS

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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 air boosting haul trucks.

## 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

- Release of stored energy causing personal injury and/or property damage.
  - Inspect hoses for deficiencies, cracks, splits, bulges, or other signs of damage.
  - Inspect fittings for possible damage.
  - Ensure fittings are properly secured to prevent air from escaping and prevent injury from a flailing hose.
  - To prevent blow-back from the pipe fitting, ensure the ball valve is open when connecting and closed when disconnecting.
  - Maintain an adequate safe position out of the line of fire.
  - Control hazardous energy by ensuring all moving components are adequately secured and the equipment to be boosted is locked and tagged out (hazardous energy isolated).

## 4.0 CHECKLIST

- ☐ Attend all preparatory meetings (IE: daily PSI; job scope; review of JSAs and SOPs for the job).
- ☐ Complete the 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 SOPs; JSAs; and FLRAs.
- ☐ 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.**

## 5.0 DEFINITIONS

### 5.1 Company

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

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## 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 Stored Energy

Stored energy is accumulated energy that can release suddenly, potentially causing serious injury or death. Compressed air is an example of stored energy.

## 6.0 PROCEDURE

The air line fitting is on the left frame inside the front of the left tire. The airline ties into the compressor line that feeds the air reservoir tank. On the right frame, inside the front of the right tire, is the ball valve between the air reservoir and the starter and compressor.

- 1) Complete a hazard assessment (i.e. FLRA) for the task. Notify supervision if unsure of task or if there are any hazards outside of the worker's control.
- 2) Inspect all tools before use. Tag out and remove from service any tool that is damaged or defective; follow up with supervision.
- 3) Isolate all forms of hazardous energy. Ensure the truck is locked out and the wheel chocked .
- 4) Clean the airline fitting and check the fitting for damage.
- 5) Securely attach the airline to the fitting.
- 6) Do not stand in the line of fire in the event the air hose disconnects.
- 7) Engage the air compressor.
- 8) Open the ball valve on the airline fitting.
- 9) Proceed to the right side and open the main ball valve to the air tank.
- 10) Confirm that the air tank is full, close the main air valve.
- 11) To safely disconnect the airline, maintain a safe position out of the line of fire, close the ball valve at the hose fitting and release the hose.

## 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.

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## 8.0 REFERENCES

- 950C-C-028 Hazardous Energy Isolation Code
- 960C-SOP-112 Compressed Air and Air Hoses

## 9.0 APPENDICES

No appendices.