

STANDARD OPERATING PROCEDURE

Operating Off-Highway Float Trucks

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OPERATING OFF-HIGHWAY FLOAT TRUCKS

Tammy Siver

5	APP	Jul 21, 2025	Approved	Mark Haupt	Tammy Siver	Tammy Siver
4	APP	Jun 21, 2022	Approved	L. Norris	L. Norris	T. Siver
3	APP	Jul 24, 2018	Approved	T. Siver	B. Porter	B. Palmer
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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 operating off-highway float trucks.

2.0 SCOPE AND APPLICATION

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

3.0 HAZARDS AND CONTROLS

- Adverse road conditions.
 - Slippery conditions require slower speeds.
 - Use trailer brakes in addition to retarder brake during icy or slippery conditions.
 - Avoid soft shoulders on roadways.
 - Plan and travel route ahead of float move. Identify areas that are soft or slippery. Notify supervisor for repairs (add sand to icy ramps, pad ground in soft conditions, etc.).
- Adverse weather conditions.
 - Operators shall drive to weather conditions and use defensive driving techniques.
 - Operators will ensure wipers are in good working order and windshield washer fluid is maintained at adequate levels.
- Narrow haul roads.
 - Avoid travelling on narrow haul roads where possible.
 - Use radio communication with other equipment prior to entering road sections too narrow for two pieces of equipment
 - Reduce speed and approach with caution.
 - Use escorts on narrow roadways and notify others of the wide load.
- Overhead hazards (i.e. power lines).
 - Plan and travel route ahead of float move. Confirm height of load and ensure it can safely pass under marked power lines. For those power lines not marked (i.e. clearance flagging, balls, signage, etc.), a minimum clearance distance of 7 meters between load and power line must be

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maintained. Confirm site specific requirements as clearance distance may be greater on client sites.

- Congested work areas.
 - Watch for pedestrians, vehicles, and other equipment in the immediate area. A spotter will be required if there is potential for contact when accessing/exiting the area.
- Hauling loose parts.
 - Loose parts i.e. shovel buckets, chains, etc. will be secured with blocking and bound in place to protect against movement.
- Equipment loaded improperly on float truck.
 - Equipment will be loaded by a competent operator.
 - Equipment will be securely chained and bound on all four corners prior to transport.
 - Follow 962C-SOP-034 Loading/Off Loading Equipment on Off Highway Float Trucks.
- Inadequate communication.
 - Determine correct route prior to floating equipment.
 - Establish communication plan with spotters and equipment operators prior to commencing task.
 - Conduct radio checks to confirm radios are working.
 - Notify supervisors and workers when entering their work areas.
 - Use appropriate horn signals when starting and moving float truck.
- Interaction with light vehicles.
 - Watch for light vehicles in loading/unloading areas.
 - Follow heavy equipment safe approach rules (50m/10m).
 - Confirm location of light vehicles before moving the float truck. Float truck operator must check all mirrors and physically confirm no hazards are present on the blind side of the unit. This can be done by walking to the blind side of the float truck deck.
 - Where possible, the float truck must always make the first move in the forward direction. Float trucks are permitted to reverse up to half the length of the float trailer to clear the loading ramp without a spotter present. If the float truck is required to back up for any other reason than to clear the loading ramp a spotter must be present.
- Interaction with ground personnel and spotters.
 - Be aware of work groups on travel routes.
 - Reduce speed and approach ground crews with caution.
 - Make visual contact with ground crews before passing.
 - Spotters will follow 962C-SOP-008 Signalling Equipment.
 - Primary spotter will remain in float truck operator's line of sight at all times; float truck operator will immediately stop if they lose sight of primary spotter.

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- Defective or damaged equipment.
 - Perform a walk-around inspection prior to operating equipment.
 - Ensure all lights and safety equipment are in proper working order.
 - Wear seatbelts at all times when equipment is in operation.
- High centering or jackknifing trailer
 - Be aware of float truck trailer ground clearance and avoid soft ground and ruts where possible.
 - Ensure icy ramps are sanded and/or scarified/scratched to prevent sliding.
 - Use trailer brakes in addition to retarder brake during icy or slippery conditions.
 - Drive to road conditions, slowdown in slippery areas.
- Travelling at night or during limited visibility.
 - Do not perform float moves in extreme weather conditions like fog or blizzard.
 - Highlight the load and extremities with flood lights.
 - Communicate with supervisor and workers in area of wide load.

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.**

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

6.0 PROCEDURE

- 1) Complete a hazard assessment (i.e. FLRA) prior to task. Notify supervisor if unsure of task or if there are hazards outside of the worker's control.

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- 2) Conduct a pre-use inspection of equipment and tools prior to operation. Notify supervision of any damaged or defective equipment or tools. Do not use any equipment or tooling that is not safe.
- 3) Plan and review haul route. Confirm roads are in good condition. Assign spotters, flaggers and escorts where required.
- 4) Follow 962C-SOP-034 Loading/Off Loading Equipment on Off Highway Float Trucks.
- 5) Perform a complete walk around after securing equipment and before boarding float truck to ensure there are no hazards in the area prior to moving the float truck.
- 6) Mount equipment. Maintain three points of contact at all times.
- 7) Physically and visually confirm no hazards present on blindside and good side of float truck.
- 8) Sound horn, start float truck and allow adequate time for warm up.
- 9) Ensure first movement is in the forward direction; float truck is permitted to reverse up to half the length of the trailer in order to clear the loading ramp. If the float truck is required to back up for any other reason than to clear the loading ramp a spotter must be present. A spotter is also required if the area is congested and there is a potential to contact personnel, equipment and materials.
- 10) Travel to the road conditions.

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

- 962C-SOP-034 Operating Off-Highway Float Trucks
- 962C-SOP-008 Signaling Equipment

9.0 APPENDICES

- No appendices.