

STANDARD OPERATING PROCEDURE

Spooling Cable onto Dozer Winch

Document Number: 960C-SOP-003

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Revision Number: 3

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Latest Revision Date: APR 29, 2022

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SPOOLING CABLE ONTO DOZER WINCH

						
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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 spooling cable onto a dozer winch.

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

- Not qualified and/or trained to operate equipment
 - Only competent and trained workers will operate the dozer.
 - Supervisors will ensure workers are trained and competent prior to operating the dozer.
 - Always refer to the manufacturer's procedure on spooling cable onto dozer the winch.
- Broken wire rope strands causing cuts, punctures and/or lacerations to the hands and other body parts
 - Keep hands off the cable. If it is necessary to handle the cable, use the hand over hand method instead of allowing the cable to slide through your hands.
 - Wear site approved gloves prior to handling cables. **At a minimum double palmed leather or Kevlar gloves must be worn.**
 - Keep your body clear of any moving cable. Never straddle, jump, or stand on moving cable.
- Rotating and moving parts causing personal injury and/or property damage
 - Operate the controls slowly and ensure ground personnel are clear of any rotating and/or moving parts.
 - Establish communication plan with the workers; use spotters/signal persons as required to ensure effective communication is maintained for duration of the task.
 - Never place your body in the line of fire and maintain a safe distance from any moving and/or rotating parts. Ensure all personnel are aware of the Live Work and remove unnecessary personnel from the area. Follow 960C-SOP-111 Live Work. Use the most secure level of isolation as possible; conduct Live Work as a last resort.
 - The work area must be flagged and/or barricaded to prevent unauthorized entry.
 - Do not wear baggy or loose-fitting clothing.
 - Tie-back hair and remove all jewelry.

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- Uncontrolled movement of dozer causing personal injury:
 - Park the dozer on flat, level ground and ensure all implements are grounded prior to starting work.

4.0 CHECKLIST

- Attend all preparatory meetings (IE: daily PSI; job scope; review of JSA's and SOPs 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

5.4 Live Work

Powered mobile equipment is fully functional (work performed without hazardous energy sources isolated). A Live Work Checklist must be completed prior to the task to identify the hazards and additional controls required. The checklist is to be reviewed and signed by all personnel involved in the work.

6.0 PROCEDURE

- (a) Supervisors will ensure operators are certified/qualified to operate the dozer. The qualifications must be up to date.
- (b) Supervisors and workers will discuss the task and plan the safest way to approach the work. During that time workers will complete an FLRA card to identify hazards in the area.
- (c) When approaching equipment always follow 962C-SOP-042 Approaching Equipment.
- (d) Flag and tag the area to warn others of the hazards.
- (e) Run the old cable out onto the ground. It will be disposed of in whatever manner is appropriate for the site (IE: cut up, spooled, coiled).
- (f) Ensure the new cable is designed for the expected use.

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- (g) Cut the wrapper off the coil of cable and lay the cable out with the bell end at the winch.
- (h) Set the bell into the drum. Set the cable so the lay of the coil matches the drum. The lay is critical to preventing unnatural looping or kinks to the cable. Do not cross wind the rope.
- (i) When the cable is being drawn, keep your hands off. If you must handle the cable, don't let it slide through your hands use a hand over hand method.
- (j) After the transfer is complete, make sure all old cable and materials are picked up and disposed of properly.
- (k) The dozer is now ready to go back to work.

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

- Alberta Occupational Health and Safety Act, Regulation and Code - Part 15, Section 212 (2) Managing the Control of Hazardous Energy – Isolation.
- Alberta Occupational Health and Safety Act, Regulation and Code - Sections 299 & 300 Rope Wound on Drum.
- Alberta Occupational Health and Safety Act, Regulation and Code - Part 3 Section 12 – Following Specifications
- Alberta OH&S Part 21, Section 292 – Safety Factors.
- 960C-SOP-004-Flagging and Tagging
- 962C-SOP-037 Securing Disabled or Parked Equipment
- 960C-SOP-111 Live Work
- 962C-SOP-042 Approaching Equipment

9.0 APPENDICES

- No appendices.