

D8 Bulldozer Contact with Surveyor on ATV

SAFETY ALERT

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Enform

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This document was developed by industry for industry. Working collaboratively, Enform works with the submitting organization representative in developing these documents to improve the industry's hazard awareness. Canada's leading oil and gas industry trade associations support the use of shared information to help companies of all sizes improve performance.

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For more information on this event, please contact: safety@enform.ca

Description of Incident:

A survey crew was working with a grading contractor conducting material volumes on an under construction Northern Alberta plant site.

The Crew Chief and Survey Assistant entered the active work area on ATV's, sticking tight to a berm, away from the main traffic flow of the heavy equipment. They parked approximately eight meters from an idling D8 Bulldozer with his blade on the ground and operator in the cab.

The crew chief made visual contact with the area foreman, and was motioned (using a hand signal) to leave the area as it was unsafe.

This hand signal was misinterpreted, and the crew chief proceeded to make a sharp left turn in front of the Bulldozer.

At the same instance, the Bulldozer operator lifted his blade and began to move his machine forward. The Bulldozer made contact with the ATV; a scraper operator witnessed the incident and radioed the Bulldozer operator to stop immediately.

This action by the scraper operator may have saved the Crew Chief's life.



By industry, for industry

Outcome:

- **The Crew Chief Operating the ATV suffered a fractured leg.**
- **The ATV was badly damaged**

Recommendations:

- Field crews should never assume that they have been seen by an equipment operator and that a piece of running equipment, regardless if it appears to be waiting can move without warning and at any second.
- Adhere to site regulations utilizing amber beacons and a lit buggy whip if necessary.
- Keep alert at all times to signs, signals, alarms and lights and know what they mean for your job site. If an alarm is sounded, stop what you are doing and begin emergency response procedures.
- Do not enter an area that has been flagged off.
- Park vehicles far away from construction traffic.
- Observe heavy equipment traffic flow on the worksite and communicate with the area supervisor prior to entering.
- Wear clean appropriately maintained high visibility vest or coveralls as well as other mandatory PPE.
- Establish a safe zone of 20 meters around running equipment, staying visible and do not enter an equipment operator's blind spot.
- Prior to approaching closer than 20 meters, make eye contact and be sure the machine operator acknowledges your presence and motions you to enter the machine's work area. Maintain visual contact or have means of communication to equipment operators at all times.
- Obey all instructions, and directions given to you by the operator or spotter.
- Always pay attention and participate in site specific orientations.
- Talk to experienced site workers as to the hazards of the work site, such as equipment blind spots.
- Share your hazard assessment and review and sign off on those workers around you.
- Make sure that there is a safe entrance and exit to a worksite and communicate it to your fellow employees.
- Request that meetings with site employees occur away from moving equipment.
- Always review pertinent Safe Work Practices and Procedures