Black & McDonald

ONE team FOX CD HSL

DNGS Site Expectations: Operation of Mobile Equipment

Ontario Power Generation's Darlington Nuclear site is unique. OPG's operating license requires us to follow very strict working procedures and policies to protect the public, the plant, workers and also the environment. The following briefing includes lessons learned from recent OPEX related to the operation of vehicles on DNGS site, followed by a list of Do's and Don'ts for equipment operators and information to support spotters and escorts.

OPEX

- Roll off truck tips over and having potential for serious injury, driver did not inspect soil conditions before off-loading truck and did not use spotter.
- Vac Truck hits light standard directly in front of truck and light standard falls to ground. Driver error,
- Driver damages sensor on light standard. No spotter/signaller used.
- Driver crawls under truck to inspect while vehicle running and no wheel chocks installed. Driver not using questioning attitude for his own personal safety.
- Vac Truck driver reversed into OPG site trailer causing damage. Operator did not maintain contact with spotter.

Do's

- Equipment is to be checked for oil, fuel leaks or any other defect that could affect its safe operation or to perform work safely. Equipment not in good visible working condition will be turned away from site, NO EXCEPTIONS.
- Pre walk down of area to ensure all hazards are identified and or controlled.
- Inspect soil conditions before driving off of the roadways onto a construction site.
- While working on site operators shall wear as a minimum, safety boots, hard hat, gloves, safety glasses and a high visible construction safety vest or coat.
- Stop when unsure of anything that would or could prevent you from operating your equipment safely. Ask questions and we will get you the help you require to perform your work event free. Safety is always the first priority and getting the work done is second.
- Wear seatbelts at all times while operating equipment or driving on site.
- Chock wheels when exiting vehicle any time the vehicle is on a slope (i.e. at Sally Port)

Don'ts

- Do not operate equipment in tight locations, congested areas or reverse equipment without the use of a signal/spotter person. NO EXCEPTIONS
- Do not inspect, work on, or go under equipment that is running. Equipment shall be turned off, brakes on and wheel chocks installed first. *EXCEPTION: a mechanic may require equipment to run to perform repairs and/or servicing. Equipment must be in a safe state before any maintenance of this sort.*
- Do not speed on site and follow all traffic signs and speed limit signs. Ensure extra caution is taken at all pedestrian crossing locations. They are clearly marked at several locations on site.
- Do not use cell phones while operating equipment. No activities that will or could distract you from operating your equipment safely.
- Do not start work unless you've been given a Pre job Briefing. Every worker performing work on this site other than deliveries must be given a pre job brief by the supervisor or delegate in charge of the work activities.
- When entering site you are subject to being checked by security for many different things that could affect our plant or worker safety. Some things they look for are food going into the operating island, explosives, firearms, ammunition or spent ammunition, alcohol or containers, pop cans, beer caps, illegal or non-prescription drugs, etc. We have a **ZERO TOLERANCE** policy against these items going into the plant (with the exception of food going to approved lunchrooms). If these items are found security will take the appropriate action to protect the site.

Chocking Requirements

OPG Chocking Requirements for Heavy Haulage Vehicles (defined as: Vac trucks, tote haulers, dump trucks, cement trucks, flat bed semis, mobile cranes/boom trucks, tow trucks, large truck repair vehicles, dual axle vehicles) when unattended (i.e. vehicle driver away from cab controls)

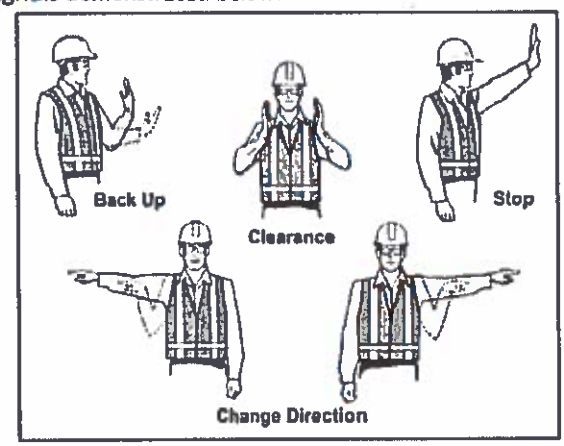
- For heavy haulage vehicles
    - Vehicle unattended shut off, brakes engaged, parked on level ground - NO chocks required

- Vehicle unattended, idling , brakes engaged, parked on level ground - Chocks required
- For heavy haulage vehicles unattended, idling or shut off, parked on a slope- Chocks required

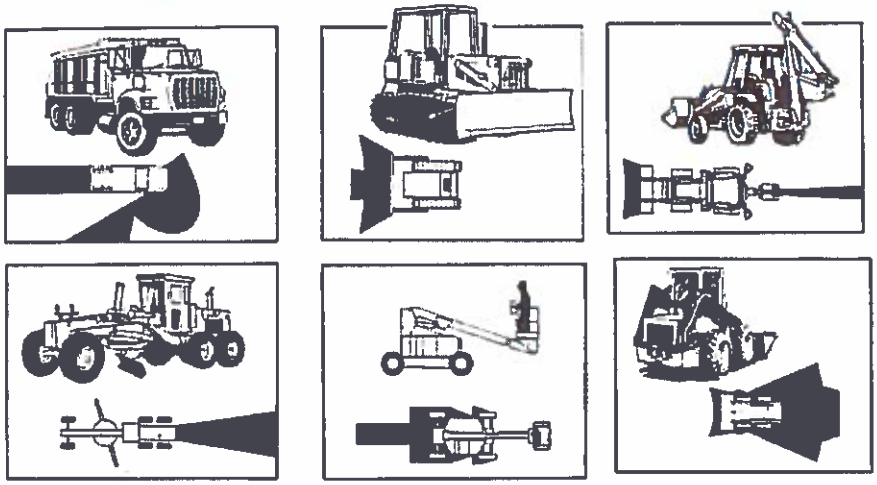
Directing Vehicles

If a worker is required to direct a vehicle they shall

- Shall be a competent worker
- Shall not perform any other work while directing vehicular traffic and will have control of vehicle movements.
- Shall be positioned in such a way that he or she is endangered as little as possible by vehicular traffic – stand where the operator can see you at all times, and where you have full view of the intended path of travel. You must however, stay out of the vehicles path.
- Shall wear high-visibility clothing as required.
- Use the hand signals demonstrated below:



- Ensure operator/driver and signalers confirm understanding of signal prior to the start of the operation (i.e. have them discuss signals in the PJB).
- Signalers shall have air horns on their person, which are to be used in an emergency when stop signal is not observed by driver/operator
- Make eye contact with driver/operator before you signal or change position.
- Know the driver and operator blind spots (see below)



- Always perform the **Two-minute Drill** prior to starting work to assess whether the conditions have changed. If things have changed (i.e. other work groups in the area, weather takes a turn for the worse, etc) then **STOP** and re-plan the work to account for the new hazards.

Date of Briefing: _____ Company:_____

Names of Individuals given briefing: _____

_____

Signature of B&M / ONE Team SPOC: _____

Note: After Briefing, ensure employee Orientation cards are signed in the Site Brief section.