



## Safety Alert

Division or Group:	HDD	Date:	10/27/17
Title:	440 Rig-Up – Unloading Equipment		

A Safety Alert provides essential safety information to our employees regarding hazards and/or risks exposures that have been identified.

### **Description of Event:**

While lifting equipment from a trailer using lifting chains, the excavator operator unexpectedly lifted the load to tighten the slack without direction from the signal person. In doing so, the suspended load struck an I-beam located on the outside edge of the trailer. The I-beam was knocked off the trailer where it struck a worker who was climbing down an access ladder positioned next to the trailer. The I-beam struck the worker on the right ankle/foot resulting in a fracture.



### **Causes or Contributing Factors:**

- Excavator operator moved the load without being provided a signal to do so.
- Configuration of load on trailer.
- Securement was removed from entire load instead of only the equipment being unloaded at the time.
- Load was not assessed for stability prior to unloading.
- Ladder placement.
- Cargo Management Plan was not followed for unloading material using lifting equipment.
- Documents for Plan were not conveniently located onsite.

### **Immediate Corrective Actions:**

- Shut down all work activities, secured incident location, and notified concerned parties.
- Generate and distribute safety communication summarizing preliminary incident investigation results.
- Review with all employees on the project the following:
  - Cargo Management procedure (equipment lifting/rigging),
  - Appropriate Rig-up SWP's, and
  - Enbridge Spotter/Operator "Where Do I Stand" Training
- Adopt and implement the use of the Cargo Management Plan on all loading and unloading activities with heavy equipment. Place documents at each location.