

SIGNIFICANT INCIDENT FAILURE POTENTIAL (SIFp) LIFTING & RIGGING



SIGNIFICANT INCIDENT FAILURE POTENTIAL (SIFp) INCIDENTS ARE NEAR-MISS EVENTS CONNECTED WITH HIGH RISK ACTIVITY THAT HAVE POTENTIAL FOR SERIOUS INJURIES AND FATALITIES. SOME OF THESE NEAR MISSES ARE NOT REPORTED BECAUSE NO ONE WAS INJURED.

REPORTING THESE INCIDENTS ALLOWS THE OPERATION TO FULLY INVESTIGATE THE CAUSES AND DEVELOP CONTROLS TO AVOID THE INCIDENT IN THE FUTURE.

LIFTING AND RIGGING IS CONSIDERED A SIFp CATEGORY FOR HIGH RISK ACTIVITY. LIFTING AND RIGGING NEAR-MISS EVENTS MAY INCLUDE:

- **CRANE TIP-OVER, HOIST FAILURE**
- **USE OF DAMAGED LIFTING/RIGGING EQUIPMENT**
- **DROPPED LOAD**
- **UNSAFE RIGGING**



BC Forest Safety

Safety is **good** business

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DISCUSS THE FOLLOWING EXAMPLES TO RAISE AWARENESS OF SIF_p EVENTS AND THE POTENTIAL OUTCOME IF THESE NEAR-MISS EVENTS ARE NOT REPORTED.

1) Over the long weekend, a contract maintenance crew was working on a capital project. A large piece of equipment needed to be lifted into the mill through the roof. The process was complicated because the reach for the crane was at the maximum threshold for the weight being lifted. During the lift procedure, the crane operator felt the crane lift in the back but didn't say anything because they were close to having the equipment set in place.

- What are the potential outcomes?
- Is this a SIF_p event?

2) Two maintenance workers, a millwright and electrician, were called to the trimmer to replace a burnt-out drive motor. The drive motor had to be lifted out using the hoist above the drive. While the trimmer was shut-down, one of the maintenance workers sent the trimmer operator to the shop cupboard to get a web sling. He brought back the first one he saw but it was the damaged one the maintenance worker uses in the shop to hold equipment down when he's working on the bench. The maintenance worker used the damaged sling anyway because it looked pretty good and it was only a short lift to the catwalk, and the supervisor was in a hurry to get the trimmer up and running.

- What are the potential outcomes?
- Is this a SIF_p event?