

SIGNIFICANT INCIDENT FAILURE POTENTIAL (SIF_p)

ELECTRICAL



SIGNIFICANT INCIDENT FAILURE POTENTIAL (SIF_p) 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. ELECTRICAL IS CONSIDERED A SIF_p CATEGORY FOR HIGH RISK ACTIVITY. ELECTRICAL NEAR-MISS EVENTS MAY INCLUDE:

- ELECTRICAL SHOCK
- ARC FLASH OR BLAST
- EXPOSURE TO LIVE ELECTRICAL (UNINTENDED AND/OR OPEN)
- "TOUCHING BEFORE TESTING" A LIVE CIRCUIT



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) A worker was standing near some switch gear and noticed a burning smell when the switch was thrown to perform lockout.
 - What are the potential outcomes?
 - Is this a SIF_p event?

- 2) A worker noticed a new piece of tech cable coming through the wall near his workstation. He sees one of the wire connectors had fallen off and recalls some talk earlier in the week that they were going to re-wire his consol.
 - What are the potential outcomes? What if the wire was live?
 - Is this a SIF_p event?

- 3) A hook was attached to a cable tray to hold a graders crayon when not in use. The screw to attach the hook was self-drilling and punctured a piece of electrical wire in the cable tray but appeared to have no effect.
 - What are the potential outcomes?
 - Is this a SIF_p event?