

Life-saving Rule Implementation Violations

Safe Work Permit

- work performed without a SWP
- four-eyes not performed
- four-eyes LTA
- scope of work not clearly defined
- hazards not identified or controlled
- control measures not verified in place
- additional permits not issued (CSE, Hot Work, ESWP, etc.)
- PPE or equipment not adequate for hazards
- field conditions or scope changes not updated
- inadequate revalidation

Confined Space

- confined space (CS) entered without required SWP or CS permit
- space not properly identified as confined space
- space not drained cleared or isolated before entry
- initial atmospheric test not performed / performed inadequately / not documented before entry
- periodic atmospheric test not performed / performed inadequately / not documented
- continuous atmospheric test not performed / performed inadequately / not documented
- inadequate ventilation or placement
- periodic or continuous atmospheric monitoring not performed
- attendant duties not followed
- entry supervisor duties not followed
- inadequate revalidation

Control of Hazardous Energy

- energy sources not isolated or verified "zero energy"
- energy sources not adequately isolated or otherwise de-energized
- unauthorized isolation or de-isolation
- Each authorized worker did not maintain personal control of energy isolation control device (personal lock, tag, signature, etc.).
- Isolation points were modified without adequate personnel protection.
- equipment-specific isolation procedure not available or LTA
- unauthorized modification or energization of an isolation device
- verification (try) of isolation / "zero energy state" LTA
- DCS or interlock isolation verification LTA

Fall Protection

- personnel exposed to fall hazard without fall protection
- inadequate fall hazard assessment
- incorrect inadequate fall protection equipment
- inadequate inspection of fall protection equipment
- attachment point is inadequate to protect against fall hazard
- total fall distance clearance in adequate or not considered
- inadequate protection of hole or opening on WWS
- falling object protection plan (FOPP) less than adequate

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Suspended Loads

- person(s) walked/worked under a suspended load
- swing radius and travel paths not managed to prevent overhead exposure
- barricaded drop zone breached without authorization from rigger or flagger person

Atmospheric Testing

- atmospheric test not performed when required
- initial atmospheric test not performed / performed inadequately / not documented before start of work
- periodic atmospheric test not performed / performed inadequately / not documented
- continuous atmospheric test not performed / performed inadequately / not documented
- testing equipment inadequate for the atmospheric hazards (i.e., wrong sensor, outside of range, etc.)
- test equipment user training LTA

Excavation

- underground hazards not identified before digging / excavating
- excavation performed without SWP authorization
- unauthorized digging method used
- inadequate process to identify underground hazards
- appropriate disciplines / experts not used

Hot Work

- hot work (HW) performed in an electrically classified area without a HW permit
- hot work performed in the presence of explosive / flammable atmosphere
- preparation for hot work activities LTA
- sparks not adequately contained
- fire watch duties performed LTA
- spark-producing equipment / ignition source left unattended
- housekeeping LTA (i.e., combustible / flammable materials in area / not moved)
- flammable source isolation LTA for hot work activities
- initial atmospheric test not performed / performed inadequately / not documented before start of work
- periodic atmospheric test not performed / performed inadequately / not documented
- continuous atmospheric test not performed / performed inadequately / not documented

Line Breaking

- line break/ cut performed without authorization
- line break preparation or pre-work LTA
- zero-energy verification not performed or LTA
- four-eyes review LTA
- proper line or cut point not identified for the line break/cut
- proper initial line break PPE not worn
- unauthorized downgrade of initial line break PPE
- initial atmospheric test not performed / performed inadequately / not documented before start of work
- periodic atmospheric test not performed / performed inadequately / not documented
- continuous atmospheric test not performed / performed inadequately / not documented

Protective Devices

- protective device (SIS, PSVs) bypassed without authorization
- hazard review and impacts LTA or not performed or hazard review and impacts documentation LTA
- hazard review and impacts communication LTA