

# Learning from Life Saving Rule events

The following is a short summary of a Life Saving Rule event, investigation, follow up, and learning opportunities.

It is intended to help share information and learn from each event to prevent future occurrences. It is about Saving Lives.

**Event Date and Description:** [2010-31-03 changing out a hydraulic cylinder on the LMS winch w/o proper isolation.](#)

## **What happened:**

The scope of work was to change out a hydraulic cylinder on the LMS. PTW was issued through ISSOW inclusive of a LOTO plan of the LMS winch. A permit extension was approved to allow the work to continue past 6:00p. While making a observation round the UTL noticed the equipment that had been LOTO for this task was running and in the process of being shutdown. After observing to understand the situation, the UTL asked how the equipment could be operated with the LOTO in place. The EE's explained the needed to unlock for a brief time to be able to bump/lower the cylinder rod a very small amount to get proper alignment for bolting. The cylinder position wasn't allowing them to re-connect.

## **Which Life Saving Rule(s) involved:**

#3 Verify isolation before work begins and use the specified life protecting equipment.

## **Investigation results:**

The Investigation Team concluded this event was not a Life Saving Rule based upon the following;

- TLP has a documented procedure for LMS winch hydraulic cylinder replacement. The Job Sponsor had performed a number of hydraulic cylinder replacements on the LMS winches before in accordance to the procedure.
- The work team had a valid PTW and appropriate LOTO to perform the work. The Job Sponsor thought the step of de-isolating the electrical motors to bump the ram for alignment was appropriate in accordance to Section 2.7 "De-isolation for Test (DFT)." The next step was to re-isolate the electrical motors to the winch to finish remaining work

## **Action taken:**

Modify the procedure to incorporate steps for equipment isolation (LOTO) and protocol for re-energizing/bumping hydraulic cylinder to achieve proper alignment for bolting. Identify exposures and barriers that must be in place to execute this step.

- Share learning with the Community.
- Crucial Conversation with the Job Sponsor on the importance of communicating with AA prior to any de-isolation of energized equipment.

## **Key Learning Points:**

Exposures were recognized during the de-isolation step and action taken to ensure all workers were out of the line of fire (per the JSA).

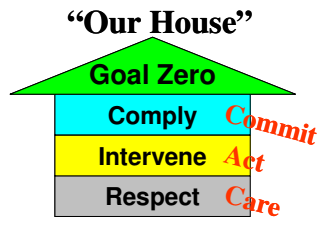
Review/communicate with the UTL(AA) prior to De-isolation For Test is required.

**It is about saving lives, and it is working.**

Everyone should ensure that we know the rules, follow the rules, and always intervene if there is the potential for unsafe behaviors or conditions. This applies to everyone: peers, supervisors, and visitors.

If in doubt, always consult your supervisor.

**Safety is a value, Goal Zero is a mindset**



**Keep our house safe, always**