

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 & Description: 04-10-2010 Disconnecting a temp heat exch without a LOTO in place

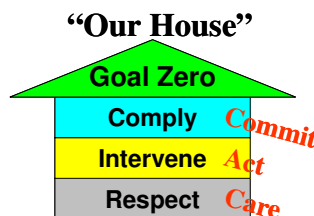
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| <p><u>What happened?</u> A sub-contractor was working for a contractor to perform the heating of well flow-back fluids. After unloading the well, a permit was supplied to the contractor to rig down the hoses from their temporary heat exchanger to a 250 barrel unload tank. Instructions were given by the job sponsor at the job site not to disconnect the Chiksan piping from the heat exchanger to the heat medium equipment. After flushing the heat exchanger and disconnecting it from the 250 barrel tank, the sub-contractor disconnected the Chiksan pipe behind a closed valve without locking out the hot pressurized water energy source (up to 380 deg F @ 230 psi).</p> |
| <p><u>Which Life Saving Rule(s) involved:</u> 1. Work with a valid work permit when required 3. Verify isolation before work begins and use the specified life protecting equipment</p> |
| <p><u>Investigation results:</u> Two sub-contractors violated Life Saving Rule #3 (understand the isolations, confirm with job sponsor or PIC that isolations are in place and the work is safe to start) when they disconnected temporary piping from their heat exchanger, which was connected to heat medium valves that were closed but not Locked and Tagged.</p> |
| <p><u>Action taken:</u> 1. The two sub-contractors were removed from the site and are not allowed to work for Shell. 2. A meeting will be held with Contracts & Procurement to discuss the importance of LSR training for sub-contractors under approved primary contractors in our workforce. 3. Orientation shall be modified to include a much more comprehensive overview of LSRs for all contractors (and sub-contractors) that have not visited the location in the past 12 months.</p> |
| <p><u>Key Learning Points:</u> 1. Sub-contractors and their management may not have the same level of Life Saving Rule awareness. The initial roll-out communications were more thorough with our direct contractors. 2. Permits may need to include what is not allowed to be done to help clarify the work scope. 3. Platform orientation packets include Life Saving Rules and consequences of not abiding by them, however, a more comprehensive explanation may be warranted for contractors new to our business.</p> |

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