Step Change Safety Alert Template

Alert Title

Gas weep occurred from a valve stem seal serving as isolation from a SSSV control line.

What leaked and where from? E.g.: "Lube oil leak from compressor system open vent"

Incident Date

14/01/2012

The date on which the incident occurred, not when this form was completed

Location Type

Fixed Production

E.g. Floating/Fixed Production, Drill Rig, Vessel, etc.

Specific Equipment Involved

Stem seal on double block and bleed

Give as much detail as possible about the equipment involved

Description of What Happened

When opening a wellhead instrument cabinet an accumulation of gas inside was released and detected by the area line of sight system which then caused a platform TPS. Further investigation at the time showed a gas weep from a valve stem for the well hydraulic control line valve block located inside the panel.

Be as detailed as possible. Give equipment history and approximate time(s) of actions/occurrences related to the incident

Cause of Incident

MECHANICAL FAILURE/FATIGUE/WEAROUT

Build from OIR/12 checklist

Incident Consequences

0.12 KG Condensate

Include the release itself and any subsequent emergency actions/dangerous occurrences

Lessons Learned

Presence of gas in a SSSV hydraulic control line and leakage out through the above valve stem leading to gradual accumulation of gas inside a sealed wellhead instrument cabinet:
• Gas migration to surface through the SSSV hydraulic control line tubing.
• Inadequate long term isolation of a pressurised Hc system.
• Inadequate risk assessment of the isolation following SSSV removal.

Include a few bullet points clarifying what was learned from the incident

Recommendations/Actions

Investigate the adequacy of the well isolation for typically this situation of SSSV being removed.

Include a few bullet points stating any recommendations/actions that will be made/taken as a result of the lessons learned

Contact Details (Optional)

If you would like your submission to be anonymous, leave this section blank