Step Change Safety Alert Template

Alert Title

Minor hydrocarbon leak from gas cooler manifold

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

Incident Date

08/02/2012

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

Flange on cooler system

Give as much detail as possible about the equipment involved

Description of What Happened

Operations were "free-flowing" production wells after a gas compressor trip. Due to the resultant lower plant throughput, the gas train was closed in to avoid flowing below the wet gas metering low cut off value. Shortly thereafter, a member of the Maintenance team, smelled hydrocarbons and then spotted condensate dripping from a 6" flange on the inlet/outlet manifold to the gas cooler. Ops were called to check the area and confirmed the presence of a relatively minor flange leak. The Operations Technician recorded a hydrocarbon gas reading of 7% LEL adjacent to the flange. The cooler was isolated and vented.

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

Cause of Incident

Incorrect torque settings. The root cause for the incorrect torque settings is unknown

Build from OIR/12 checklist

Incident Consequences

3 KG Natural Gas released

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

Lessons Learned

Potential under torquing during (historic) maintenance activity

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

Recommendations/Actions

Re-check torque settings on equipment which has not been disturbed for many years

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