

Step Change Safety Alert Template



Alert Title

Gas leak from the body seal joint a 16inch on the injection header.

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

Incident Date

24th May 2013

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

Location Type

Fixed Platform

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

Specific Equipment Involved

V-401211 Injection Header inlet block valve (16" Class 1500# TK S/N P9453)

Give as much detail as possible about the equipment involved

Description of What Happened

A member of a fabric maintenance crew working on the mezzanine deck heard, smelt and reported a gas leak, emanating from the location of V-401211 Injection header inlet block valve on the main deck below. Operations technicians were mobilised to investigate and identified the origin of the leak to be from the valve closure stud at the 5 o'clock position (looking West) on the body of the valve. The initial leak rate was measured at 100% LEL at 150mm.

The Injection ESD valves were immediately closed to isolate the well flow lines, the manual Injection Header HP vent valve V-40013 was then opened to commence depressurising the header and compressor discharge pipework.

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

Cause of Incident

Failure of a body seal (O Ring) on the valve

Build from OIR/12 checklist

Incident Consequences

The gas leak was detected by personnel working in the area, who raised the alarm. From which the platform was safely isolated and depressurised

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

Lessons Learned

- The exact failure mechanism has still to be determined

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

Recommendations/Actions

- The valve has now been replaced, this contains a different sealing material

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

Contact Details (Optional)

Andrew Miller, Centrica Storage Limited

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