

Step Change Safety Alert Template



Alert Title

Indication of high levels of gas leading to general platform shutdown during restart of production

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

Incident Date

6th January 2013

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

Service Water (also referred to as Fire Water) system (particularly gas cooler & De-aerator tower)

Give as much detail as possible about the equipment involved

Description of What Happened

Following a platform blackout from an adjacent and connected (pipeline) installation, the platform had initiated a successful controlled shutdown.

In the process of restarting production, an automated surface process shutdown occurred following a confirmed high level gas alarm in the de-aerator tower.

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

Cause of Incident

A redundant tube plug in the gas cooler was dislodged and resulted in gas ingress into the service water system.

Build from OIR/12 checklist

Incident Consequences

No personnel involved/ present at point of release. Release volume was limited. General Platform alarm automatically activated and shut down as planned.

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

Lessons Learned

- Inspection of cooler pipe bundle identified a number of further pipes where plugs were missing from an end.
- Deterioration of the cooler pipe bundle is due to corrosion (from sea water).

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

Recommendations/Actions

- Investigate possibility of re-instating second train gas cooler.
- Investigate possibility of providing double isolation for gas coolers.

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

Contact Details (Optional)

John.cordiner@amec.com