

# Step Change Safety Alert Template



## Alert Title

E-2510 Re-boiler channel head flange leak

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

## Incident Date

28/11/2012

*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

Re-boiler channel head flange

*Give as much detail as possible about the equipment involved*

## Description of What Happened

A technician picked up a smell of gas within a module. On investigation this was traced to the re-boiler channel head flange. The fixed gas detection showed only 2% LEL and therefore did not initiate a shutdown. There was no option to isolate the leak and so the process was shutdown and the Stabiliser Column depressurised.

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

## Cause of Incident

One of the bolts on the head flange was only hand tight.

*Build from OIR/12 checklist*

## Incident Consequences

Minor gas release

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

## Lessons Learned

The investigation concludes that loose bolts were the cause of the leak. One bolt was only hand tight and others were only about 80% of the recommended torque settings. The channel head had been removed during the shutdown earlier in the year.

Since that shutdown there have multiple production trips and the associated pressure and temperature changes may also have contributed to the loosening of the bolts (this is less likely).

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

## Recommendations/Actions

1. Check similar joints for leaks.
3. Review incident with Contractor and review procedures followed.

*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*