

# Step Change Safety Alert Template



## Alert Title

Gas Weep Detected within gas generator enclosure

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

## Incident Date

30/08/2012

*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

Fuel gas pipework to gas engine

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

## Description of What Happened

A faint smell of gas was reported to the control room. Operations Technicians investigated and identified a very low level of gas in the Gas Generator enclosure ventilation exhaust airstream. The enclosure was entered and a small leak was eventually detected at a flanged connection on the engine fuel gas pipework immediately upstream of the gas throttle valve. The readings obtained using a personal gas monitor were (max) 11% LEL at 50mm from the flange.

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

## Cause of Incident

Leak from flanged joint with spiral wound gasket.

*Build from OIR/12 checklist*

## Incident Consequences

0.01 KG Natural Gas released

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

## Lessons Learned

There was a weep from the vent port on an electro motive valve (EMV) body. The plug was found not to be sealing correctly. The vent port provides a vent path if stem leakage occurs. It should have been piped to a safe location according to manufacturers' guidelines when installed.

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

## Recommendations/Actions

1. Vent to be piped to safe
2. Plugs to be checked to ensure they are in place and are gas tight;

*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*