

Step Change Safety Alert Template (Internal Talisman Use Only)

STEP CHANGE IN SAFETY



Alert Title

Fuel gas release from 1/2" fitting on turbine

Incident Date

1st March, 2012

Summary

Minor fuel gas release from 1/2" fitting on valve block on a turbine. The turbine was shut down at the time of the incident

Incident Consequences

Hydrocarbon Release

Cause of Accident or Incident

Uncontrolled Release of a Flammable Gas or Liquid

Location

FPSO

Activity

Production Operations

Description of What Happened

A single Gas Head within the turbine enclosure went into alarm and two Technicians were sent to investigate. CO2 and fire and gas inhibitors were applied and the enclosure door was opened. On opening the door a slight hissing noise was heard coming from a 1/2" fitting on a valve block and whilst holding the gas monitor approx 20cm from the fitting it went into alarm and recorded 23% approx LEL. The enclosure door was closed and the CCR contacted to close the Fuel Gas Supply Valve and open the Blow Down Valve. A short period of time later the door was reopened and the area found to be gas free.

Specific Equipment

1/2" fitting on turbine

Lessons Learnt

- The fitting was found to be under tight, however the cause could not be determined
- The equipment was thoroughly checked and no further issues were identified on this or the other turbines
- All gas heads were checked to ensure the correct calibration settings

Task Description:

No task ongoing, turbine shut down at time of the gas detection

Recommendations

- Review outcome from checks made to small bore tubing equipment on this and other turbines
- Check all technician competency records to identify any shortcomings on small bore tubing and to ensure ongoing competency checks are in place
- Modify gas head indication to provide early alarm on F&G panel

Contact Details:

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