

Notifiable incident

Notification ID [NTF11920](#)

Duty holder Woodside Energy Ltd
Facility/Activity CWLH OKHA FPSO
Nearest state WA
Incident OHS-DSCE - Performance Standard Failure for Fire Damper

Basic information provided at time of notification

Notification type	Incident
Incident date	10/12/2022 11:00 AM (AWST)
Notification date	10/12/2022 12:37 PM (AWST)
NOPSEMA response date	(AWST)
Received by	██████████

Summary of information provided

Brief descriptive title	OHS-DSCE - Performance Standard Failure for Fire Damper
Incident location	Accommodation and amenities
Subtype/s	Other
Summary <i>(provided at notification)</i>	██████████ reported failure of the performance standard F-10. During inspection of GT3 enclosure, fire damper louvers was identified as being dislodged from the housing one Louver in total. This has been remediated. Currently the machine is offline, and we are working through our remedial repairs at the moment. No increased baseline risk and reporting air performance standard fail F 10.2.

Request permission to disturb the site

Permission given	Not Applicable
Permission given by	
Permission given on	

Initial spill and release amounts

Gas (kg)	
Liquid (L)	
Release type	
More information	

Details of person providing information to NOPSEMA

Full name	██████████
Job title	██████████

Initial notification category

Initial category type <i>(based on notification)</i>	Dangerous Occurrence
Initial category <i>(based on notification)</i>	OHS - damage to safety-critical equipment

Running sheet

There are no running sheet entries for this notification

Decision	
Escalate to level 1	Yes
Inspector	[REDACTED]
Escalated on	12/12/2022 07:04

Final notification category	
Final category type <i>(based on final report)</i>	Dangerous Occurrence
Final category <i>(based on final report)</i>	OHS - damage to safety-critical equipment

Immediate causes	
Details	To be determined as part Internal investigation in accordance with the Woodside "Health, Safety and Environment Event Reporting, Investigating and Learning Procedure"

Initial report	
Due date	13/12/2022
Received date	12/12/2022
Reviewed date	13/12/2022
Reviewed by	[REDACTED]
Additional details provided by duty holder	<p>Brief description of incident During inspection of GT3 enclosure, fire damper louvre was identified dislodged from housing. This is a non-conformance to Performance Standard F10.2.</p> <p>Work or activity being undertaken at time of incident: Enclosure inspections</p> <p>What are the Internal Investigation Arrangements: Internal investigation in accordance with the Woodside "Health, Safety and Environment Event Reporting, Investigating and Learning Procedure"</p> <p>Was there any loss of containment of any fluid (liquid or gas)? No</p> <p>Action taken to make the work-site safe: Action taken: Unit remained offline, and investigation and repair of louvre commenced. Review of Performance Standard F10 to determine reporting requirements.</p> <p>Details of any disturbance of the work site: Visual inspection of enclosure damper.</p> <p>Was an emergency response initiated? No Was anyone killed or injured? No Was there any serious damage? No</p> <p>Immediate action taken/intended, if any, to prevent recurrence of incident. Action: Inspection and repair of GT3 enclosure damper louvre Responsible party [REDACTED] Completion date 10-Dec-2022 Actual or Intended Actual</p>

Final report	
Due date	09/01/2023

Received date	14/12/2022
Reviewed date	15/12/2022
Reviewed by	[REDACTED]
Additional details provided by duty holder	<p>Full Report</p> <p>Describe investigation in detail, including who conducted the investigation and in accordance with what standard/procedure The investigation was carried out in accordance with Woodside HSE Event Reporting Investigating and Learning Procedure. During the course of pre-start checks on Gas Turbine #2 (GT2) it was identified that one louvre was dislodged within the Enclosure Inlet Damper. On further investigation it was identified that a 5mm bolt securing the louvre had failed due to corrosion. All other bolts inspected were still intact and fastened. Subsequent metal analysis found the bolt material to be likely Stainless Steel 303 or Stainless Steel 302HQ.</p> <p>Immediate action: The inlet damper was closed, and the effected louvre was manually adjusted into the closed position, being the fail-safe condition. Mechanical intervention was completed to replace failed bolt and inspect condition of remaining louvre fasteners. Damper operation "tested ok" prior to subsequent start of Gas Turbine (GT). All remaining GT enclosure dampers were immediately inspected for similar failures. All fasteners are currently secure however will be scheduled for changeout.</p> <p>Causal Factors & Root Cause: Inappropriate materials installed in the marine environment. Ineffective QA processes during procurement and/or fabrication. This is a vendor (Solar) supplied package that would have been supplied with this grade of bolting already installed.</p> <p>Actions to prevent recurrence of same or similar incident</p> <p>Action Replace non-SS 316 fastenings in all GT Enclosure inlet & outlet Dampers during the next service rotation Responsible party [REDACTED] Completion date 30-Jun-2023 Actual or Intended Intended</p>

Final spill and release amounts	
Gas (kg)	0.00
Liquid (L)	0.00
Release type	
More information	

Root causes	
Code	
Description	<p>Has the investigation been completed? Yes</p> <p>Root cause analysis</p> <p>Root Causes Analysis Factor: EQ2-5 Equipment/Parts Defective - Quality Control</p> <p>Comments Low 300 series grade stainless steel fastenings not suitable in the marine environment have been utilised in GT3 Damper build and supply.</p>

All data received	
Date	14/12/2022

