

INTERNAL USE ONLY

Notifiable incident

Notification ID	NTF11828
Duty holder	Woodside Energy Ltd
Facility/Activity	CWLH OKHA FPSO
Nearest state	WA
Incident	OHS-DSCE - Batteries for emergency lighting did not meet performance standard requirements

Basic information provided at time of notification	
Notification type	Incident
Incident date	28/10/2022 10:00 AM (AWST)
Notification date	28/10/2022 10:09 AM (AWST)
NOPSEMA response date	28/10/2022 10:51 AM (AWST)
Received by	[REDACTED]

Summary of information provided	
Brief descriptive title	OHS-DSCE - Batteries for emergency lighting did not meet performance standard requirements
Incident location	
Subtype/s	Electrical, Emergency response
Summary (provided at notification)	Reporting damage to safety critical equipment. During emergency lighting testing campaign, adjacent lighting did not meet the acceptance criteria as per our performance standard in two locations. Corrective actions taken the batteries have been replaced and retested.

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	[REDACTED]
Job title	[REDACTED]

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

Running sheet	
There are no running sheet entries for this notification	

Decision	
Escalate to level 1	Yes
Inspector	
Escalated on	01/11/2022 07:04

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

Immediate causes	
Details	Battery capacity had reduced resulting in inability for light fitting to satisfy performance standard requirements.

Initial report	
Due date	31/10/2022
Received date	28/10/2022
Reviewed date	01/11/2022
Reviewed by	
Additional details provided by duty holder	<p>Brief description of incident During 6-month emergency light inspection and testing across the facility, 2 non-conformance against facility performance standard E03.2 were identified, where 2 sets of adjacent emergency light fittings, failed to meet required discharge time when operating on battery backup (60mins)</p> <p>Work or activity being undertaken at time of incident Planned maintenance inspection and testing of emergency lighting across the facility.</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 Batteries replaced and retested Details of any disturbance of the work site Batteries replaced and retested to ensure meets Performance Standard E03</p> <p>Was an emergency response initiated? No Was anyone killed or injured? No</p> <p>Immediate action taken/intended, if any, to prevent recurrence of incident. Action Batteries replaced and retested to ensure meets Performance Standard E03 Responsible party Completion date 25-Oct-2022 Actual or Intended Actual</p>

Final report	
Due date	27/11/2022
Received date	08/11/2022
Reviewed date	15/11/2022
Reviewed by	

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 Investigation was carried out in accordance with Woodside HSE Event Reporting, Investigating and Learning Procedure, by Okha FLC with input from Inlec and Engineering.</p> <p>During 6-monthly emergency light inspection, two sets of adjacent emergency lights failed to meet the required discharge time, which is a failure to meet Performance Standard E03.2.</p> <p>Root Cause Analysis – Facility testing procedure was reviewed against Original Equipment Manufacturer (OEM) recommended procedure. Testing process is not aligned to OEM recommended, which is likely contributing to early failure once installed (Root Cause 1). Stored spare batteries are not discharged/recharged 6 - 9 monthly (OEM recommendation). This is likely resulting in reduction of battery charge capacity before they are installed (Root Cause 2). Immediate action to replace batteries and retest is complete. Actions to address root causes are as per below.</p> <p>Actions to prevent recurrence of same or similar incident</p> <p>Action Review and update the WEL emergency light testing procedure to achieve higher reliability, considering OEM recommended procedure Responsible party [REDACTED] Completion date 15-Feb-2023 Actual or Intended Intended</p> <p>Action Review current battery storage practices and implement best practice to enable battery packs to consistently meet their design life Responsible party [REDACTED] Completion date 15-Mar-2023 Actual or Intended Intended</p>
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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 Root Causes Analysis Factor: EQ3-0 Equipment Predictive/Preventative Maintenance Comments Current procedural testing does not align with the original equipment manufacturer (OEM) recommended practice. This likely resulted in a premature failure of the battery. Root Causes Analysis Factor: EQ2-4 Equipment/Parts Defective - Storage Comments The reduction in battery charge capacity might have occurred during storage. OEM Storage recommends conducting battery discharge testing every 6-9 month</p>

All data received	
Date	08/11/2022

