

INTERNAL USE ONLY

Notifiable incident

Notification ID	NTF11609
Duty holder	Woodside Energy Global Pty Ltd
Facility/Activity	Pyrenees
Nearest state	WA
Incident	OHS-DSCE: Level switch on main PV Breaker failed to operate during routine function testing

Basic information provided at time of notification	
Notification type	Incident
Incident date	30/06/2022 05:00 PM (AWST)
Notification date	01/07/2022 04:05 PM (AWST)
NOPSEMA response date	01/07/2022 04:12 PM (AWST)
Received by	[REDACTED]

Summary of information provided	
Brief descriptive title	OHS-DSCE: Level switch on main PV Breaker failed to operate during routine function testing
Incident location	
Subtype/s	
Summary <i>(provided at notification)</i>	Level switch on main PV Breaker failed to operate during routine function testing. Stops IG going out vent line. Did not work in first instance. Subsequent tests were successful. Maintenance scheduling cleaning of the float switch.

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

Running sheet	
<i>There are no running sheet entries for this notification</i>	

Decision	
Escalate to level 1	Yes
Inspector	
Escalated on	05/07/2022 10:29

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	Unknown, until switch is stripped, cleaned and inspected. Suspect level switch may have exceeded reliable service life possibly due to float sitting in a fixed position for extended periods and or magnet degradation.

Initial report	
Due date	03/07/2022
Received date	04/07/2022
Reviewed date	11/07/2022
Reviewed by	
Additional details provided by duty holder	<p>Brief description of incident: Main PV breaker (Cargo tank / IG pressure and vacuum protection vessel, typically 400mm water gauge) level alarm (LS-4516A) failed to operate in the first instance during routine function testing.</p> <p>Work or activity being undertaken at time of incident: 1SAP Routine function testing of PV breaker level alarm.</p> <p>What are the internal investigation arrangements? Strip, clean and inspect level switch.</p> <p>Action taken to make the work-site safe: Action taken: Level alarm manipulated and level cycled which resulted in the float freeing up and repeatable operation of the level alarm. ISAP notification #433665539 raised to clean, inspect and repair level switch. [REDACTED] initiated visual level checks every shift by marine personnel until level switch is inspected, cleaned and repaired.</p> <p>Was an emergency response initiated? No Immediate action taken/intended, if any, to prevent recurrence of incident: Action - ISAP notification #433665539 raised to clean, inspect and repair level switch. - Responsible party - [REDACTED] - Completion date - 15/07/2022</p> <p>Action - Replace level switch with new unit and function test. - Responsible party - [REDACTED] - Completion date - 2/10/2022</p>

Final report	
Due date	30/07/2022
Received date	12/07/2022
Reviewed date	12/07/2022
Reviewed by	

Additional details provided by duty holder	<p>Full report:</p> <p>The main supply PV breaker level alarm switch (LS-4516A) was removed, cleaned and inspected however no obvious issues could be identified within the switch.</p> <p>A review of 1SAP history for LS-4516A revealed that the switch had been replaced 4 years previously whilst the adjacent Vent Main PV breaker LS-4516B also failed 2 years ago after a similar failure to operate.</p> <p>In all of the failures there has been no clearly visible failure mechanism and each time the switch worked OK after manipulation.</p> <p>Actions to prevent recurrence of same or similar incident:</p> <p>Action - Replace LS4516A and function test as stated in 3D report - Responsible party - [REDACTED] - Completion date - 2/10/2022</p> <p>Action - Send LS4516A failed level switch to suitable vendor for RCFA. - Responsible party - [REDACTED] - Completion date -2/10/2022</p> <p>Action - Raise MDR to introduce routine replacement and FCT of the PV breaker level alarm switches LS4516 A/B on a 2Y frequency. - Responsible party - [REDACTED] - Completion date -2/10/2022</p>
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Final spill and release amounts	
Gas (kg)	0.00
Liquid (L)	0.00
Release type	
More information	<p>Was there any loss of containment of any fluid (liquid or gas)? No</p> <p>Type of fluid (liquid or gas) - Please specify__ Crude Oil</p> <p>Estimated quantity</p> <p>Liquid (L), Gas (kg)</p> <p>To small to quantify in liters (Approx 1 drip every 30 minutes)</p>

Root causes	
Code	
Description	<p>Has the investigation been completed? Yes</p> <p>Root cause 1</p> <p>No specific Root cause has been identified.</p> <p>Expectation is either magnet degradation or mechanism wear creating a detent effect inhibiting smooth operation of the level alarm switch.</p>

All data received	
Date	12/07/2022

