

# Notifiable incident


**Incident ID** [5743](#)

**Duty holder:** INPEX Operations Australia Pty Ltd  
**Facility/Activity:** Ichthys Venturer  
**Facility type:** Floating production storage and offloading facility

Incident details	
<b>Division</b>	Occupational Health and Safety
<b>Notification type</b>	Incident
<b>Incident date</b>	24/12/2018 12:00 AM (WST)
<b>Notification date</b>	25/12/2018 11:42 AM (WST)
<b>NOPSEMA response date</b>	25/12/2018 11:43 AM (WST)
<b>Received by</b>	[REDACTED]
<b>Nearest state</b>	WA
<b>Initial category type</b> <i>(based on notification)</i>	Dangerous Occurrence
<b>Initial category</b> <i>(based on notification)</i>	Damage to safety-critical equipment
<b>3 Day report received</b>	27/12/2018
<b>Final report received</b>	27/12/2018
<b>All required data received</b>	27/12/2018
<b>Final category type</b> <i>(based on final report)</i>	Dangerous Occurrence
<b>Final category</b> <i>(based on final report)</i>	Damage to safety-critical equipment
<b>Brief description</b>	OHS-DSCE - A number of ESD valves failed to meet performance standard requirements.
<b>Location</b>	
<b>Subtype/s</b>	Facility integrity, Valve failure
<b>Summary</b> <i>(at notification)</i>	<p>The OIM of the Ichthys Venturer facility reported that whilst doing checks and investigations following the facility's non-hazardous emergency shutdown (ESD1) event of which occurred on 24/12/2018, a Performance Standard non compliance was identified. The following Emergency Shutdown Valve: ESDV5708 and ESDV045 (900lb) drain to a Knock Out Drum, and ESDV5708 and ESDV708 (600lb) drain to another Knock Out Drum were recorded with valve closure times in excess of the relevant Performance Standard.</p> <p>The facility is in shutdown and the valves identified in non conformance were stroked and now all valves meet the performance standard.</p>

<b>Details</b> <i>(from final report)</i>	<p>The OIM of the Ichthys Venturer facility reported that whilst doing checks and investigations following the facility's non-hazardous emergency shutdown (ESD1) event of which occurred on 24/12/2018, a Performance Standard non compliance was identified. The following Emergency Shutdown Valve: ESDV5708 and ESDV045 (900lb) drain to a Knock Out Drum, and ESDV5708 and ESDV708 (600lb) drain to another Knock Out Drum were recorded with valve closure times in excess of the relevant Performance Standard.</p> <p>The facility is in shutdown and the valves identified in non conformance were stroked and now all valves meet the performance standard.</p> <p>During the checks and investigation follow up to the facility non-hazardous Emergency Shutdown (ESD1) event on 24/12/2018, a performance standard non-compliance was identified.</p> <p>The following Emergency Shutdown Valves (ESDV)</p> <ul style="list-style-type: none"> <li>• S-708-ESDV-045 from #900 drain to knock out drum</li> <li>• S-708-ESDV-046 from #600 drain to knock out drum</li> </ul> <p>These ESDV's had a recorded closure time in excess of the closure time nominated in the 'Shutdown Valves Performance Standard'.</p> <p>At 15:50 WST on 24th December 2018, the FPSO had a non-hazardous ESD1 event. During the checks and investigation in the follow up from this event, the following Emergency Shutdown Valves (ESDV's) detailed below were recorded as having closure times in excess of the closure time nominated in the INPEX 'Shutdown Valves Performance Standard':-</p> <ul style="list-style-type: none"> <li>• S-708-ESDV-045 from #900 drain to KO drum</li> <li>• S-708-ESDV-046 from #600 drain to KO drum</li> </ul> <p>Prior to start-up of the facility the S-708-ESDV-045 positioner was changed out and both S-708-ESDV-045 and S-708-ESDV-046 were stroke checked. All valves achieved their required performance criteria.</p> <p>New positioner to be ordered for S-708-ESDV-046 and replaced.</p> <p>Actions:</p> <p>Replace valve positioner on S-708-ESDV-045 FPSO MTL Complete 25 Dec 2018  Exercise S-708-ESDV-045 &amp; S-708-ESDV-046 for re-start. WO 2100014513 FPSO MTL Complete 25 Dec 2018  Replace valve positioner on S-708-ESDV-046. Notification 10023386 FPSO MTL 31 Jan 2019  Send positioner from S-708-ESDV-045 for Root Cause Analysis.</p>
<b>Immediate cause/s</b>	<p>ESD valves - closure times in excess of performance standards. ESDV failed to meet Performance Standard, suspected shuttle valve stuck condition.</p> <p>The ESDV's did make their closed limit during the incident within the blowdown time but outside of the Performance Standard.</p>
<b>Root cause/s</b>	<p>ED - PREVENTIVE MAINTENANCE - PM NI - PM for equip NI</p>
<b>Root cause description</b>	<p>Valve positioner stuck after replacement</p>

<b>Duty inspector recommendation</b>	
--------------------------------------	--

<b>Date</b>	26/12/2018
<b>Duty inspector</b>	
<b>Recommendation</b>	Do not conduct Major Investigation
<b>Reasoning</b>	Does not meet MI threshold based on information received
<b>Supporting considerations</b>	

<b>Major investigation decision</b>	
-------------------------------------	--

<b>Date</b>	26/12/2018
<b>Decision</b>	Do not conduct Major Investigation
<b>Reasoning</b>	Does not meet MI threshold based on information received
<b>Supporting considerations</b>	

Non-major investigation review and recommendation	
Date	27/12/2018
Inspector	[REDACTED]
Risk gap	Moderate
Type of standard	Established
Initial strategy	Investigate

Recommended follow up strategy	
Recommended strategy	Investigate within 45 days
Supporting considerations	Consequence - MAE control measure, therefore "serious". Likelihood increase from remote to possible due to ESDV non-compliance . Established standard - as per SoV. Relevant incident - ESDV-045 also failed to meet its performance standard during an ESD event on 22/10/2018 and was notified (RMS 5654). Therefore, escalate to investigate within 45 days.

Non-major investigation decision	
Date	07/01/2019
RoN	[REDACTED]
RoN review result	Agree with recommendation
Strategy decision	Investigate within 45 days
Supporting considerations	Agreed.

Associated inspection	
Inspection ID	1940