From: on behalf of Regulatory Submissions (Shared Mailbox) To: @inpex.com.au @inpex.com.au; a @inpex.com.au; Cc: Subject: Re: Inspection Letter, Report and Form - CPF Ichthys Explorer

Date: Monday, 3 July 2023 2:52:49 PM Letter - Inspection Report.pdf Report - Planned Inspection May 2023.pdf Attachments:

Form - Conclusions Follow Up List for Operator Response 29 June 2023.xlsx

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Dear

Please see subject documents attached. The Form is in Excel for ease of completion.





ID: 2514: A948783

Our ref:

Contact: Email: @nopsema.gov.au
INPEX Operations Australia Pty Ltd Level 22, 100 St Georges Terrace PERTH WA 6000
@inpex.com.au
RE: NOPSEMA INSPECTION REPORT – CPF ICHTHYS EXPLORER FACILITY
Thank you for the assistance extended to during their inspection of the ICHTHYS CPF EXPLORER FACILITY between 22-25 May 2023. Attached with this letter is a copy of the inspection report
The report presents the conclusions drawn by NOPSEMA inspectors, which NOPSMA has endorsed.

National Offshore Petroleum Safety and Environmental Management Authority ABN: 22 385 178 289 $\,$

 $^{^{1}}$ In accordance with clause 80(3) of schedule 3 to the $\it Off shore\ Petroleum\ and\ Greenhouse\ Gas\ Storage\ Act\ 2006.$

² This request is made under clause 80(4) of schedule 3 of the *Offshore Petroleum and Greenhouse Gas Storage Act 2006*.



Transfer (https://securefile.nopsema.gov.au/filedrop/submissions) (attention the Lead Inspector) or via email to submissions@nopsema.gov.au.

I would also like to take this opportunity to remind you that under Clause 80 (5) of Schedule 3 to the *Offshore Petroleum and Greenhouse Gas Storage Act 2006*, the operator of the facility is required to give copies of the report to any relevant health and safety committees and Health and Safety Representatives (HSRs) <u>as soon as reasonably practicable</u>.

Should you have any queries, please contact	
Yours sincerely	

Representative of NOPSEMA wA718508

03 July 2023

Attachment: Report – Planned Inspection January 2022

cc @inpex.com.au] @inpex.com.au]



NOPSEMA Inspection of CPF Ichthys Explorer Facility

Inspection details

Duty holder(s) inspected			
Operator	INPEX Operations Australia Pty Lt	:d	
Entity inspected		NOPSEMA Inspection No	
Facility	CPF Ichthys Explorer	2514	
Permissioning documents		·	
Safety Case	CPF Ichthys Explorer Facility Safe	ty Case (B070-AH-SCA-10000, Rev 13)	
Inspection dates			
Onshore	N/A		
Offshore	22 – 25 May 2023		
Inspection team			
Lead Inspector			
Inspection Team			
Duty holder contacts			
Operator representative			

Report distribution

Position	Company	
Records management	NOPSEMA	
	INPEX Operations Australia Pty Ltd	

Revision status

Rev	Date	Description	Prepared by	Reviewed / Approved by
Α	12/06/2023	Internal Daft		
В	21/06/2023	Draft for discussion with operator		
0	29/06/23	Final		



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1. Inspection legislative framework and methodology

1.1. Legislative framework

NOPSEMA conducts inspections as part of its legislated function to implement an effective compliance monitoring strategy, ensuring compliance with the 'NOPSEMA Listed laws'. These inspections are carried out by NOPSEMA inspectors who are appointed under Section 602 of the *Offshore Petroleum and Greenhouse Gas Storage Act 2006* (OPGGSA).

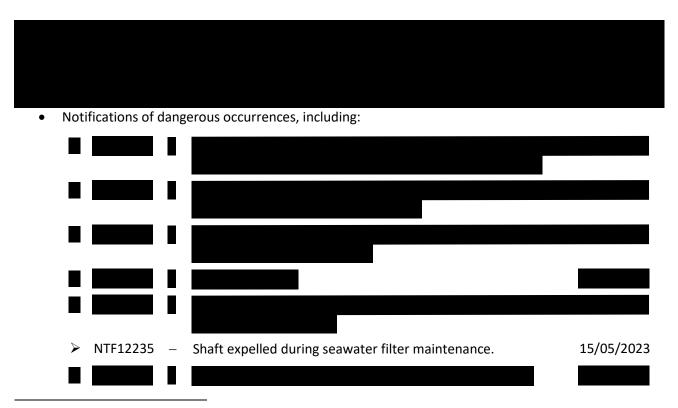
This report has been prepared in accordance with the OPGGSA² requirements and includes the findings of the inspectors from the inspection. If the findings indicate non-compliance with the OPGGSA requirements and/or commitments in the safety case, which pose a risk or potential risk to safety, the inspectors may have provided advice on the recommended actions or outcomes to address these findings.

Appendix A provides a list of acronyms and abbreviations used in this report.

1.2. Inspection objective and scope

The objectives of this inspection are to ascertain, for the scopes listed below, whether the operator is managing risks to safety to a level that is as low as reasonably practicable (ALARP), as required by their duties under the OPGGSA and in accordance with the accepted safety case.

The planned scope of this inspection was:



 $^{^{\}rm 1}\,\mbox{NOPSEMA}$ listed laws are defined in Section 601 of the OPGGSA.

² Division 4 of Schedule 3





In addition to the scopes above, the Inspectors also took the opportunity to meet with the Health and Safety Representatives (HSRs) on the facility to:

- seek their views and perspective on health and safety management of the facility,
- review the efficacy of workplace arrangements,
- provide an opportunity to explain the scope of NOPSEMA's inspection and answer any questions.

1.3. Preparation and conduct of the inspection

Before conducting the inspection, the inspectors prepared a detailed inspection brief. This brief included a list of required documentation, a proposed inspection itinerary, and the scope of the inspection. On April 5, 2023, the inspectors initially issued the brief to INPEX, and NOPSEMA received the requested documents on May 5, 2023.

Upon arrival at the facility, the inspectors held an entry meeting. The purpose of this meeting was to:

- Communicate the purpose of NOPSEMA's inspection.
- Explain the powers of the inspectors under the OPGGSA.
- Provide an opportunity to discuss and clarify the inspection brief, including the scope of the inspection and the proposed itinerary.

Appendix C includes a list of individuals present at this meeting.

During the inspection, the inspectors engaged in the following activities:

- Met with Health and Safety Representatives (HSRs) and other members of the workforce to discuss general safety issues at the facility.
- Conducted interviews with members of the workforce regarding the inspection topics.
- Inspected the facility's hardware.
- Collected relevant documents.
- Took photographs to substantiate their findings and conclusions.

In accordance with NOPSEMA's inspection policy, the inspectors adopted a sampling approach to assess the inspection scope and derive the conclusions and recommendations presented in this report. The findings and observations form the basis for the conclusions and recommendations, but they are not exhaustive or definitive.

Before concluding their inspection and leaving the facility, the inspection team prepared an Inspection Exit Brief. The inspectors presented the brief to key offshore personnel, and during an exit meeting, the team discussed the significant points contained in the brief. Appendix C includes a list of individuals present at this meeting.









2. Inspection results

The following sections contain detailed findings and conclusions for the topics covered during the inspection. NOPSEMA expects the operator to review the report's findings and take sufficient action to ensure compliance with their duties under the OPGGSA and the safety case. If relevant, the inspectors have made recommendations to help the operator understand the minimum action needed to address any identified risk gaps.

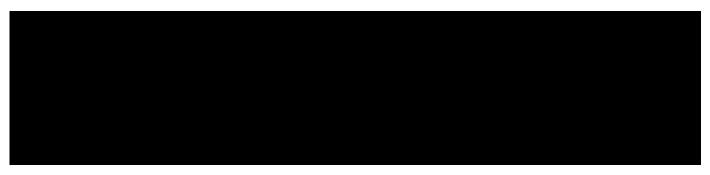
2.1. Operational context

At the time of the offshore inspection, the CPF Ichthys Explorer was operating normally, however the facility was close to full POB. On 17 May 2023, in the week prior to the inspection, there was a high potential incident at the facility that INPEX reported to NOPSEMA. Prior to the inspection INPEX had cordoned off the area in which the incident occurred, to minimise disturbance of the site until the preliminary investigations could be completed.

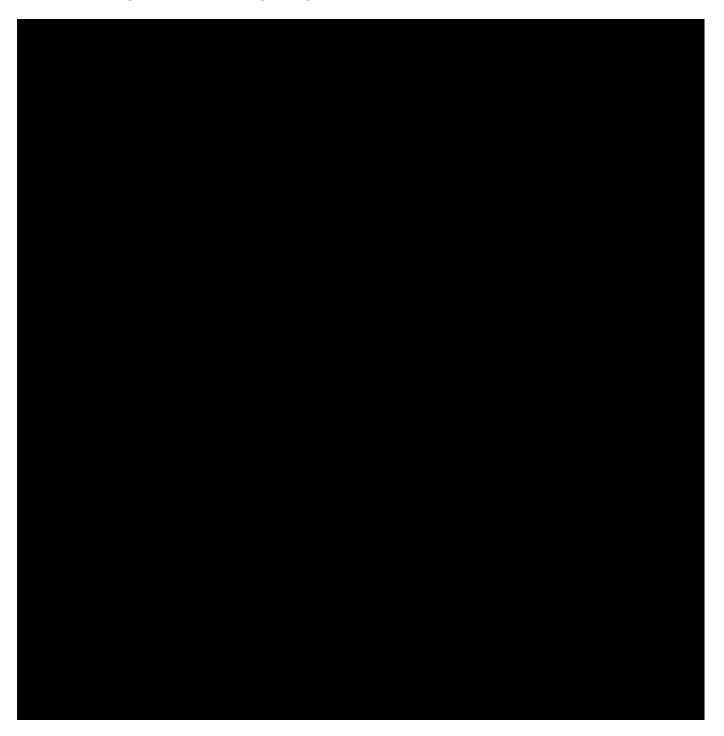


2.3. Topic 1 –





2.3.1. Objective and summary of requirements







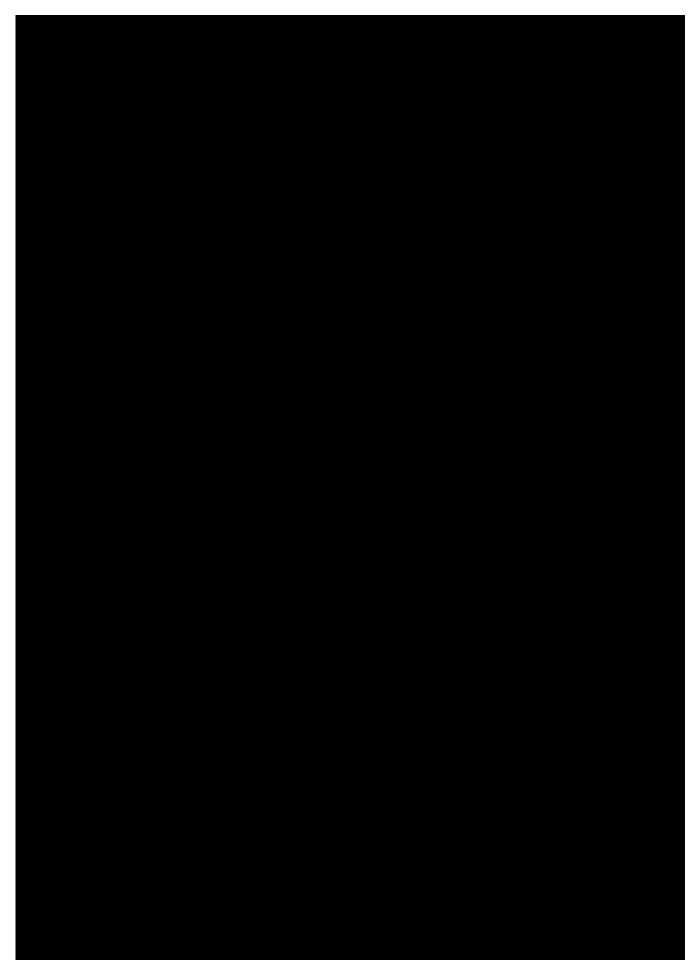
2.3.2. Observations and findings

Hazard Identification and Risk Assessment



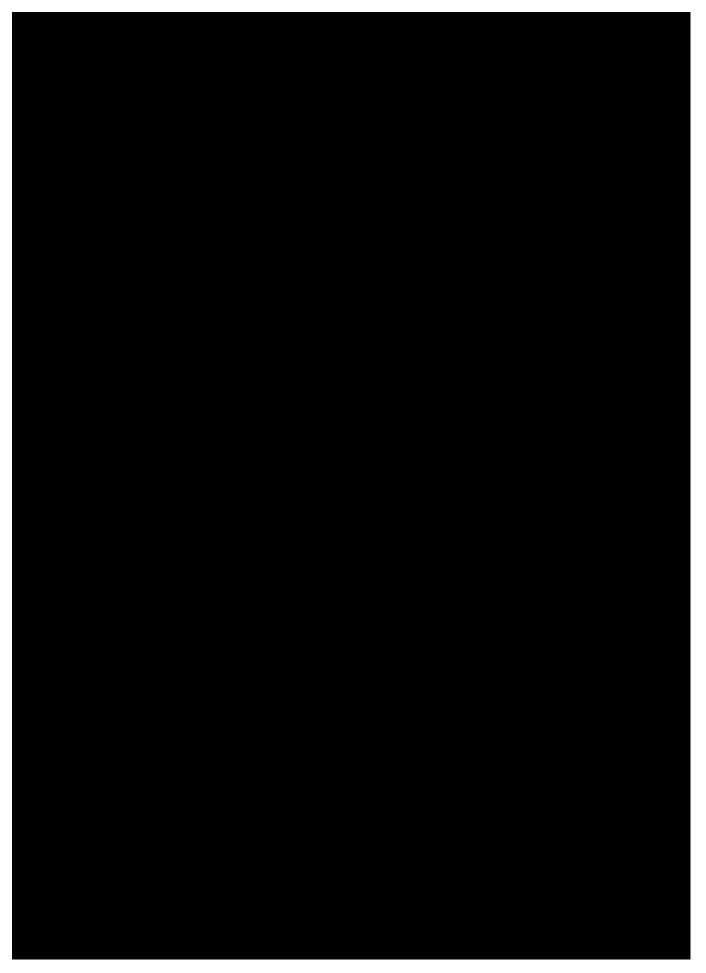






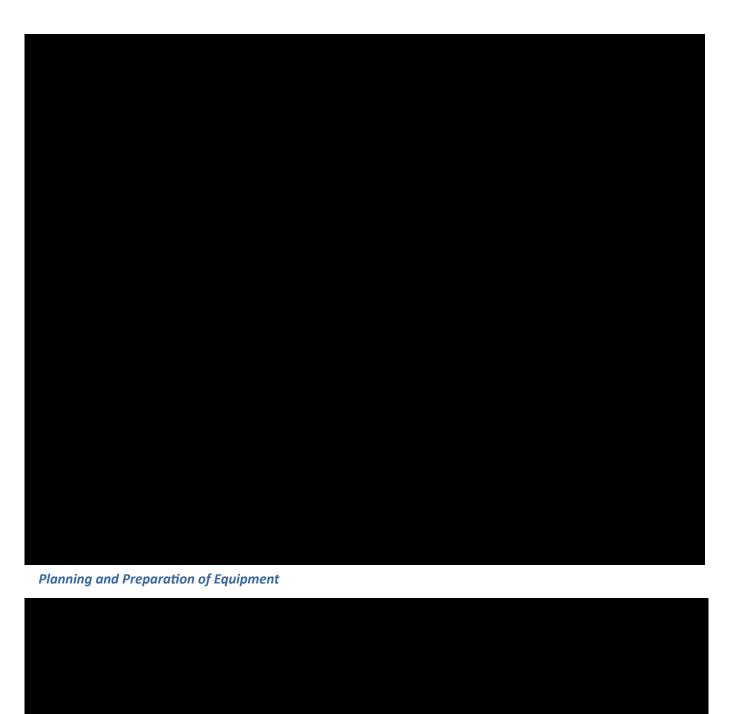






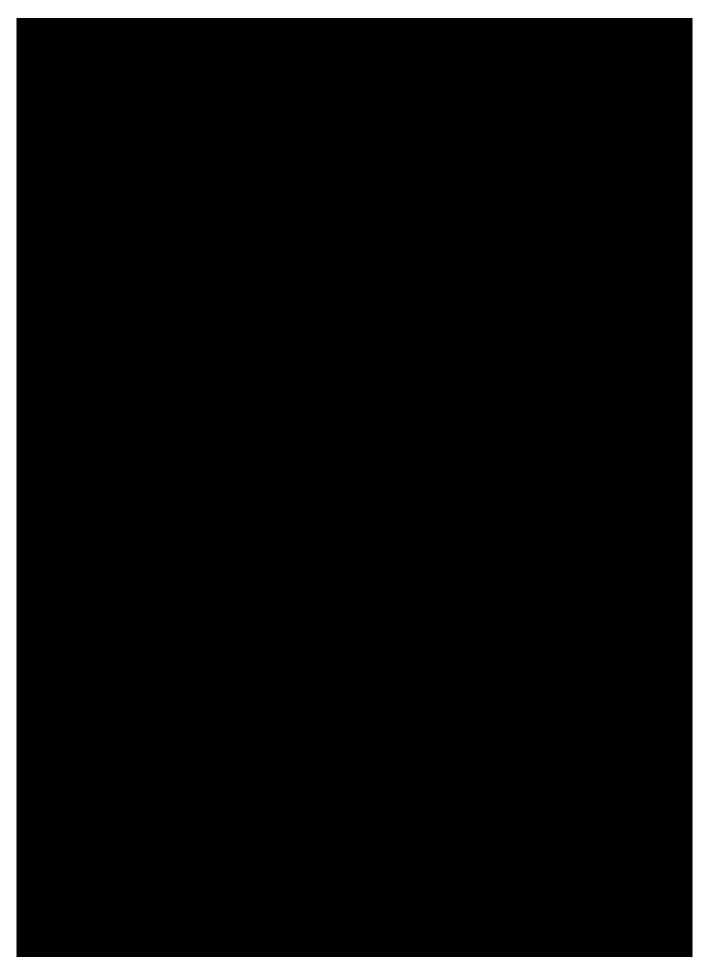












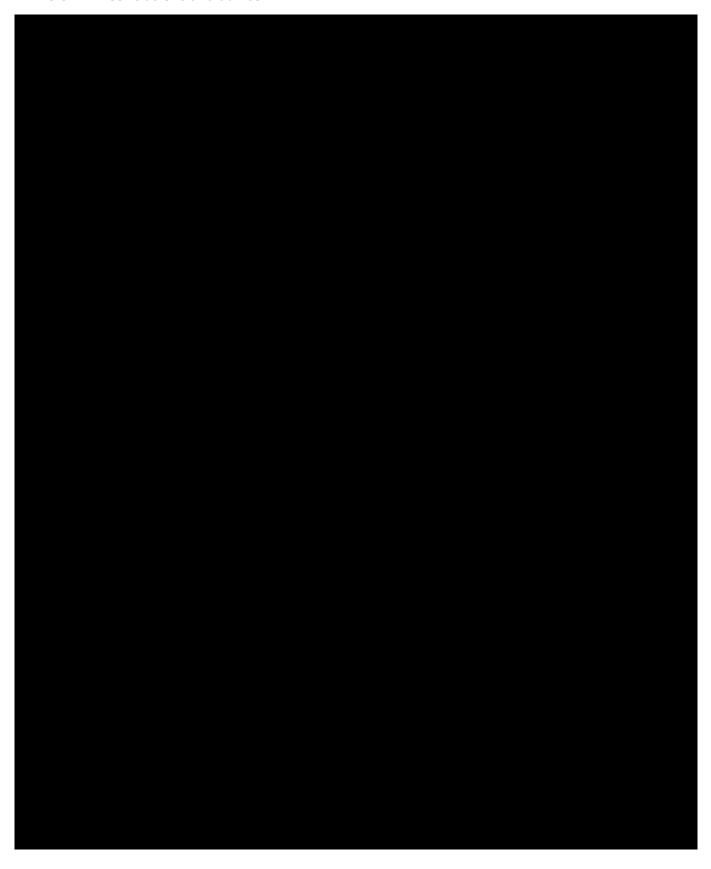








2.3.3. Conclusions and advice











2.4.	Topic 2 –
9	
2.4.1.	Objective and summary of requirements



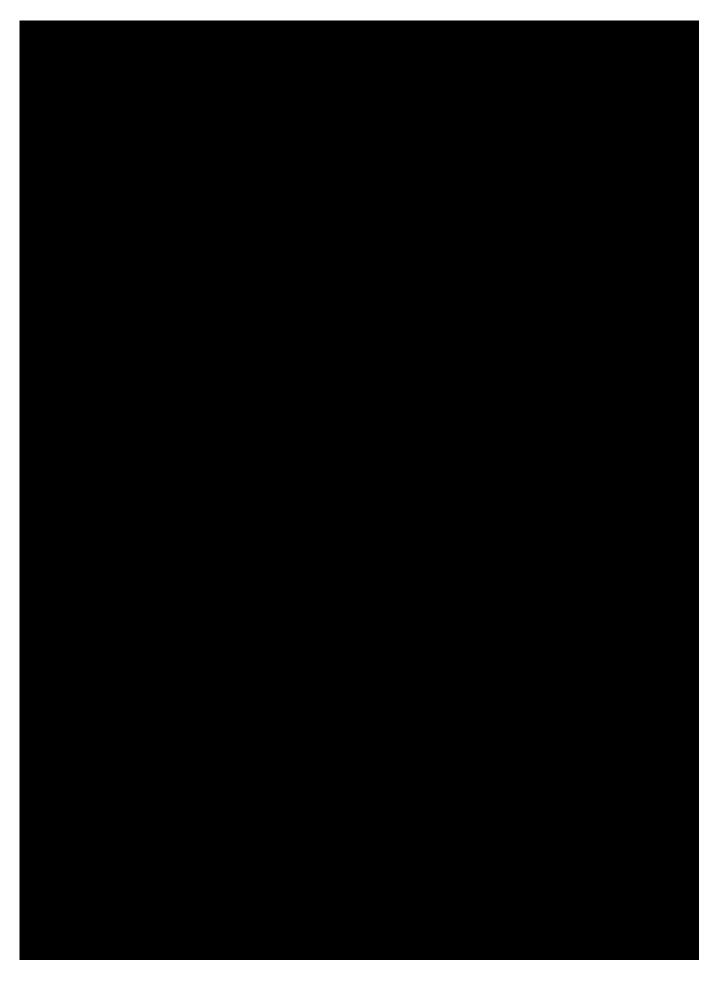


2.4.2. Observations and findings



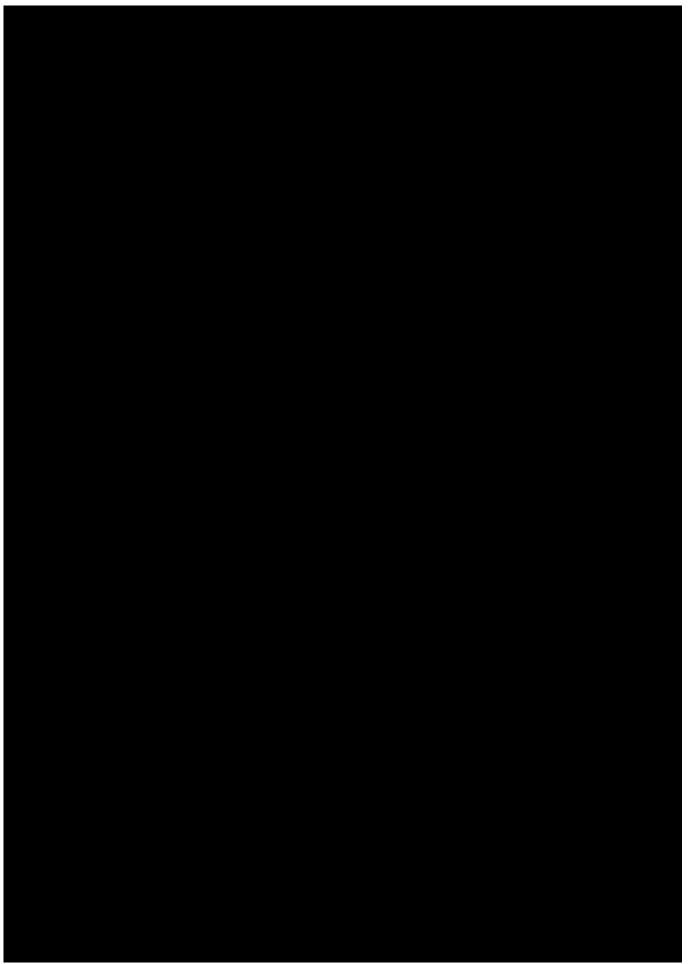
















2.4.3. Conclusions and advice





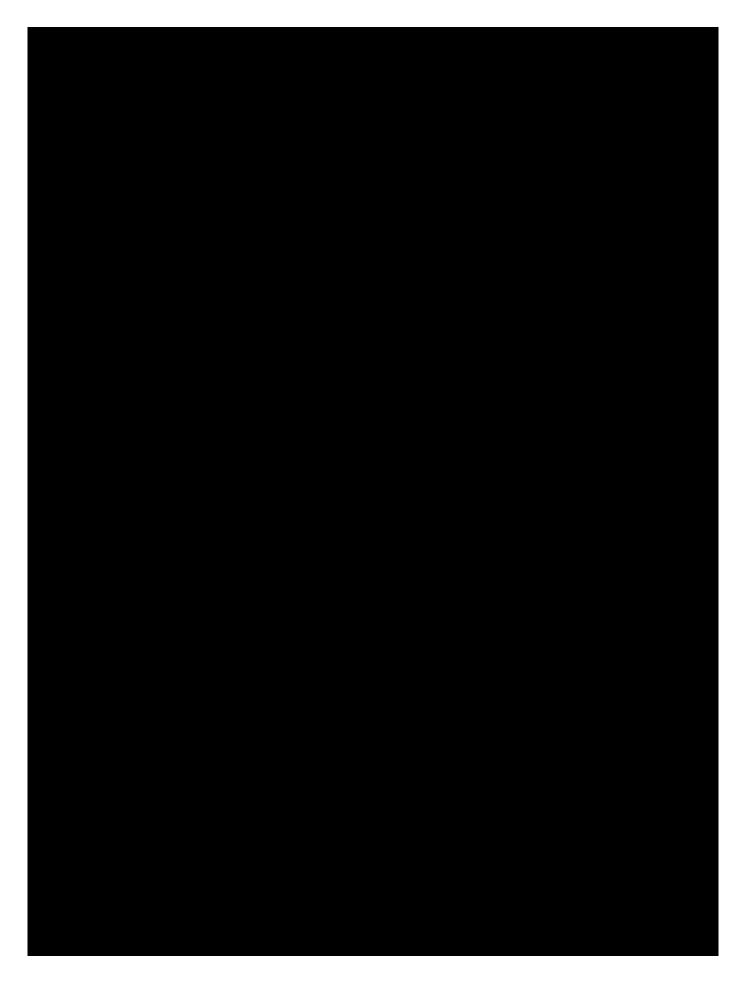


2.5. Notifications of Dangerous Occurrences



















2.5.6. NTF12235 - Shaft Expelled During Seawater Filter Maintenance

On 17 May 2023, INPEX reported the following dangerous occurrence to NOPSEMA, as described in the 3-day report:

'Whilst unbolting the Sea Water Coarse Filter A (SWCF) gearbox there was a release of pressurised sea water. The sea water forced the shaft, gearbox & motor off the top of the SWCF. The gearbox landed on the adjacent deck shearing off the motor which fell approx. 3m to the landing below. The gearbox & motor combined weight is approximately 150kg'

Follow-up actions by INPEX:

1. INPEX Investigation: INPEX is conducting a thorough investigation into the incident to determine the root cause and identify necessary corrective actions.

Since the incident occurred in the week prior to the inspection, a root cause had yet not been established. During the week of the inspection, INPEX was investigating the dangerous occurrence and had cordoned off the area of the incident.

The inspectors did not identify any immediate threat that would warrant intervention by NOPSEMA; however, it is likely that equipment isolation will be a factor in the investigation report, which is the topic of this inspection. No further follow by NOPSEMA is warranted at this stage; however, NOPSEMA may review the outcome of the final investigation at the next planned inspection.

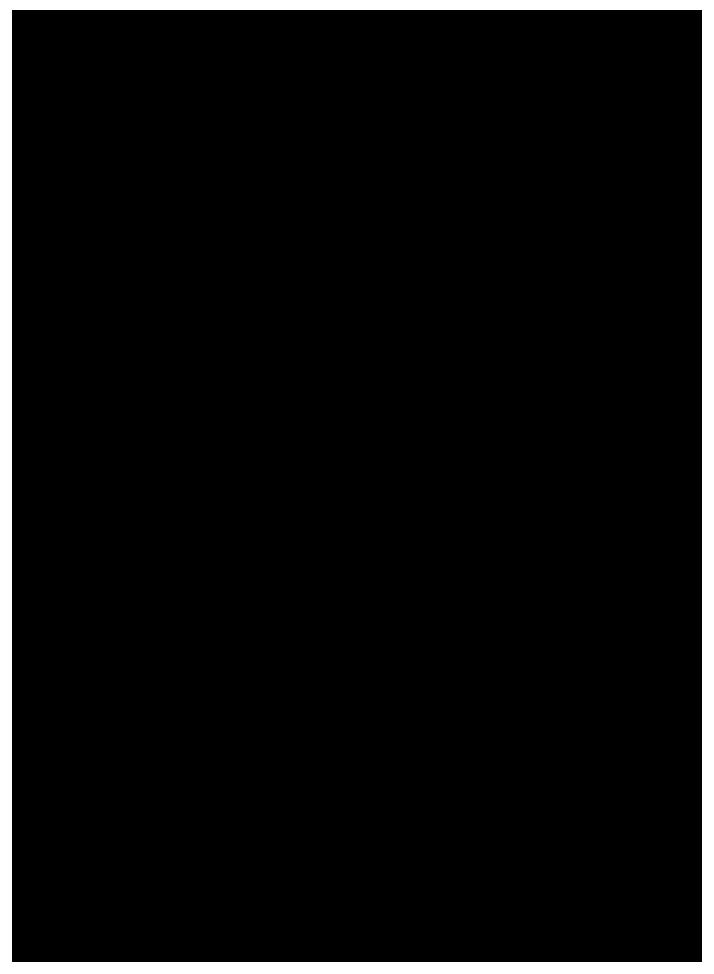








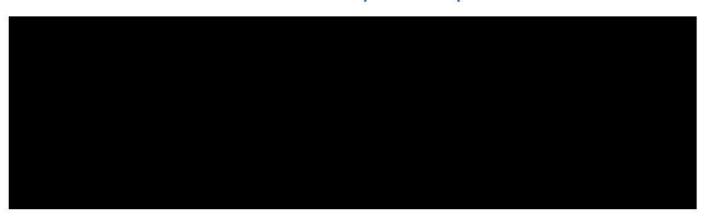








2.6. Status of recommendations from previous inspections





Appendix A: Acronyms and abbreviations used in this report

AA	Area Authority
ALARP	As Low ss Reasonably Practicable
BTEX	Benzene, Toluene, Ethylbenzene and Xylene
CPF	Central Processing Facility
DBB	Double Block and Bleed
FM	Flange Management
FPSO	Floating Production Storage and Offloading
HSR	Health & Safety Representatives
ISSoW	Integrated Safe System of Work
ISRA	Isolation Safety Risk Assessment
MIR	Minimum Isolation Requirement
NOPSEMA	National Offshore Petroleum Safety and Environmental Management Authority
OEM	Original Equipment Manufacturer
OIM	Offshore Installation Manager
OPGGS	Offshore Petroleum and Greenhouse Gas Storage
P&ID	Piping and instrumentation diagram
PFM	Prepare for Maintenance
POB	Persons on Board
PPE	Personal Protective Equipment
PSV	Pressure Safety Valve
PTW	Permit to Work
RTS	Return to Service
SB	Single Block
SBB	Single Block and Bleed
SDS	Safety Data Sheet
SIP	Safe Isolation of Plant



Appendix B: References



Ichthys CFP Explorer



Appendix C: Summary of meeting attendance

INPEX Ops Australia Pty Ltd

C.1: Facility meetings

Operator:

The NOPSEMA inspectors conducted an Entry meeting to provide an overview of the planned inspection programme and to confirm the itinerary. In the Exit meeting, the NOPSEMA inspectors presented the interim observations and findings from the facility inspection and to allow the facility's workforce to give their views. Attendees at both meetings are listed below:

Facility:

Entry meeting date:	22 M	ay 2023	Exit meeting date:		25 May 2023		23
Name		Company		Position		Entry	Exit
(please print)				24.		(please	initial)
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C.2: Post-inspection meetings

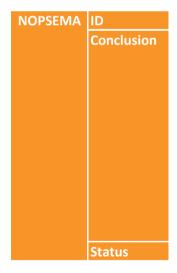
The NOPSEMA inspectors met with INPEX personnel at their regulated business premises to discuss the particulars of dangerous occurrences notified to NOPSEMA, with NOPSEMA notification numbers NTF12275 and NTF12276. Attendees at this meeting are listed below.

OPERATOR:	INPEX Austr	ralia	FACILITY:	Icthys	CPF	
Meeting date: 19 June 2023		23	Location:		INPEX	
NAME (Please Print)		COMPANY	POSIT	ION	Initial (Please Initial)*	
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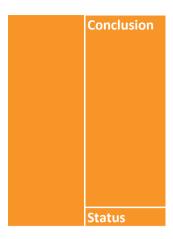
NOPSEMA ID Conclusion Status

Operator Response
Action
Position
Due Date



Operator Response
Action
Position
Due Date

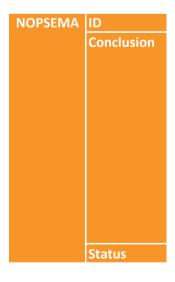
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Operator Response
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Operator Response
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Position
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Operator Response

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Due Date

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	Conclusion
	Status

Operator Response
Action
Position
Due Date





