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IMP5-3 Annual Groundwater Interpretative Report 2025

Ministerial Condition 14

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Document Control

Rev.	Description	Date	Authors	Reviewed
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Document Overview

Document Title	IMP 5-3 2025 Annual Groundwater Interpretative Report
Reporting Period	November 2024 (EMP approval date) – December 2025 (end of first calendar year).
EMP Title	IMP 5-3
Exploration Permit	EP 187
Interest Holder Details	Imperial Oil & Gas Pty Limited Level 19, 20 Bond Street Sydney NSW 2000 ABN: 92 002 699 578

Approval

Role	Name	Date	Signature
Approver	Cassandra Schmidt	29/01/2026	CS



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1. Groundwater Monitoring – Annual Interpretation Summary

The IMP5-3 Carpentaria Pilot Project Environment Management Plan (EMP) was approved on 12 November 2024 and applies to regulated activity within Exploration Permit 187 (EP187). All regulated activity undertaken on EP 187 to date, has been executed under previously submitted and approved EMPs, all subsequent reporting can be found in the associated annual reports.

There have been no new groundwater monitoring bores drilled or established under the scope of IMP5-3 EMP during the reporting period of November 2024 (EMP approval date) – December 2025 (end of first calendar year).

All existing Impact Monitoring Bores (IMBs) and Control Monitoring Bores (CMBs) on EP187 were monitored and reported under IMP4-3 and IMP 3-4 Annual Groundwater Interpretive Reports (AGIR):

- IMP 3-4 2023 – 2024 Annual Groundwater Interpretative Report, resubmitted to DLPE on 26 November 2024, concluded the quarterly three-year groundwater monitoring at the Carpentaria 1 well pad.
- IMP 4-3 2024 Annual Groundwater Interpretative Report, submitted to DLPE on 16 January 2025, concluded the quarterly three- year groundwater monitoring at the Carpentaria 2/3/5 well pad.
- IMP 4-3 2025 Annual Groundwater Interpretative Report submitted to DLPE on 16 January 2026, concluded the quarterly three-year groundwater monitoring at the Carpentaria 4 well pad.

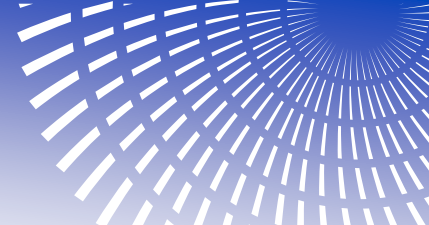
Ministerial Condition 14 of IMP5-3 requires that, within 90 days of the anniversary of EMP approval and each subsequent year, the interest holder submit an interpretative groundwater quality report addressing the requirements listed in the table below.

Beetaloo makes this submission, the first annual report under IMP5-3, on the foundation of ground water monitoring and reports completed for IMP 4-3 and (now archived) IMP 3-4.

Table 1 outlines how this requirement has been met for the IMP5-3 reporting period:

Table 1 Ministerial Condition 14 Requirements

Requirement	Response
<p>i. Identification of any change to groundwater quality or groundwater level attributable to the conduct of the regulated activity at the well site(s), including discussion of the significance and cause of any observed change.</p>	<p>There has been no regulated activity at well sites under IMP 5-3 for the reporting period.</p> <p>Groundwater monitoring for EP187 has been undertaken under IMP 3-4 and IMP 4-3 and any changes to groundwater quality or levels were assessed and reported in the associated AGIRs.</p> <p>Historic reports are published online: Groundwater monitoring results Department of Lands, Planning and Environment</p>



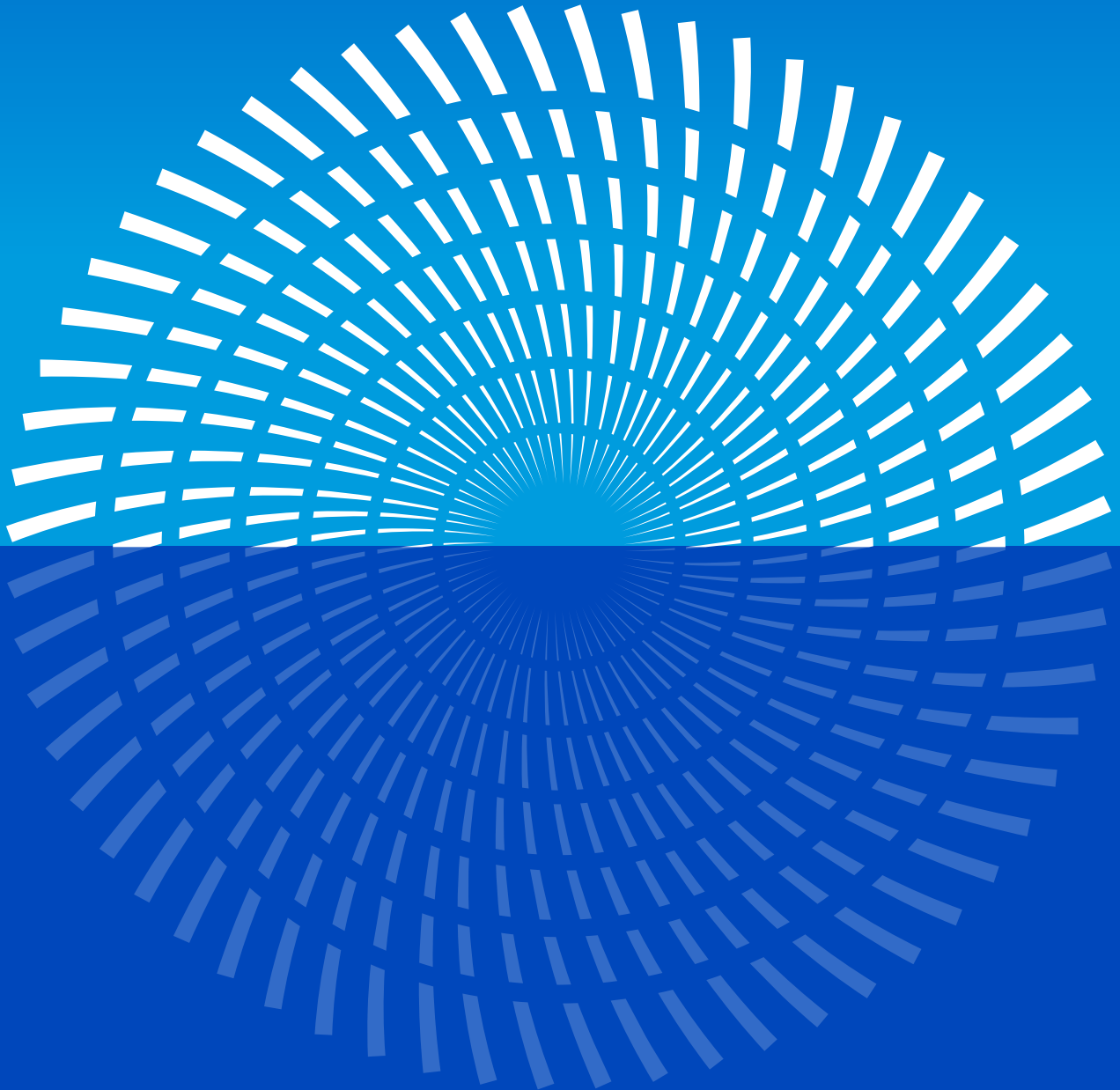
Requirement	Response
<p>ii. Interpretation of any statistical outliers observed from baseline measured values for each of the analytes listed in Table 6 of the Code.</p>	<p>Not required under IMP 5-3 - previously assessed under IMP 3-4 and IMP 4-3 AGIRs.</p> <p>Historic reports are published online: Groundwater monitoring results Department of Lands, Planning and Environment</p>
<p>iii. A summary of groundwater monitoring results, including descriptive statistics.</p>	<p>Not required under IMP 5-3 - previously assessed under IMP 3-4 and IMP 4-3 AGIRs.</p> <p>Historic reports are published online: Groundwater monitoring results Department of Lands, Planning and Environment</p>
<p>iv. Discussion of any trends observed in groundwater quality or levels.</p>	<p>Not required under IMP 5-3 as previously assessed under IMP 3-4 and IMP 4-3 AGIRs.</p> <p>Historic reports are published online: Groundwater monitoring results Department of Lands, Planning and Environment</p>
<p>v. Description of the layout of groundwater monitoring bores and wells, indicative groundwater flow directions and groundwater levels, in accordance with the Preliminary Guideline Groundwater Monitoring Bores for Exploration Petroleum Wells in the Beetaloo Sub-basin.</p>	<p>Not required under IMP 5-3 - previously assessed under IMP 3-4 and IMP 4-3 AGIRs.</p> <p>Historic reports are published online: Groundwater monitoring results Department of Lands, Planning and Environment</p>
<p>vi. In the third annual report, provision of site-specific trigger values for groundwater quality and interquartile ranges for analytes at each impact monitoring bore, established based on the first three years of groundwater monitoring.</p>	<p>Not required under IMP 5-3 - previously assessed under IMP 3-4 and IMP 4-3.</p> <p>Site-specific trigger values and interquartile ranges have been established for all IMB on EP187:</p> <ul style="list-style-type: none"> • RN041800 on Carpentaria 1 well pad under IMP 3-4 MC 10 2023-2024 AGIR, resubmitted to DLPE on 26/11/2024. • RN0424461 on Carpentaria 2/3/5 well pad under IMP 4-3 MC 5 Appendix B AGIR, submitted to DLPE on 16/1/2025. • RN042462 on Carpentaria 2/3/5 well pad under IMP 4-3 MC 5 Appendix B AGIR, submitted to DLPE on 16/1/2025.



Requirement	Response
	<ul style="list-style-type: none"><li data-bbox="801 284 1481 383">• RN043012 on Carpentaria 4 well pad under IMP 4-3 MC5 2025 AGIR, submitted to DLPE on 16/1/2026. <p data-bbox="801 448 1481 582">Subsequent AGIR's and monitoring will be undertaken for additional established IMB and CMB's as per the <i>Code of Practice: Onshore Petroleum Activities in the Northern Territory</i>.</p>

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