

Modification Notice - Regulation 22

Interest Holder	Imperial Oil and Gas Pty Ltd	EMP Title	IMP5-3: Carpentaria Pilot Project EP187 Environment Management Plan	Unique EMP ID No.	IMP 5-3	Mod No.	1	Date	30/05/2025
Brief Description	<p>The IMP5-3 Project Area includes the Carpentaria 1 well pad and associated infrastructure, which are also covered by two historical EMPs. To avoid duplication in reporting and support a more streamlined and consistent approach to environmental management across the Project Area, the residual activity from these historical EMPs will be consolidated into a single EMP, IMP5-3. The table below outlines the relevant EMPs and the remaining activity to be integrated into IMP5-3:</p>								
Approved EMP		Regulated Activity Approved	Status of Activities	Activity to be integrated into IMP5-3					
IMP2-6.1 2020-21 Drilling Program NT Exploration Permit (EP) 187 (Revision)		Drilling: construction of two wells and associated civil works (access tracks, well sites and accommodation camp)	<p>Only one well & well pad (Carpentaria 1) and the associated access track was constructed. Additionally, all waste & wastewater associated with the activity has been removed. The Carpentaria 1 drilling pit has been remediated.</p> <p>The Carpentaria 1 well is currently in the suspension and monitoring phase and there are no plans to carry out the construction of another</p>	<p>The outstanding activities for IMP2-6.1 are the rehabilitation of Carpentaria 1 access track and well pad, as well as the monitoring, suspension and abandonment of the Carpentaria 1 well.</p> <p>The IMP5-3 EMP already includes all management, maintenance, monitoring and rehabilitation obligations for the</p>					

			<p>well pad, well and its associated civil works.</p>	<p>Carpentaria 1 access track and well pad. Therefore, no modification of IMP5-3 is required for these items.</p> <p>The only regulated activity from the historical EMP to be incorporated in the IMP5-3 modification is the monitoring, suspension and abandonment of the Carpentaria 1 well.</p>
	<p>IMP3-4 2021 Carpentaria-1 Work Program NT Exploration Permit (EP) 187</p>	<p>Hydraulic fracturing and Extended Production Testing of the existing Carpentaria 1 vertical exploration well.</p>	<p>Hydraulic fracturing and Extended Production Testing of the existing Carpentaria 1 vertical exploration well has been completed. Additionally, all waste, wastewater and above-ground tanks associated with the activity has been removed.</p> <p>The Carpentaria 1 well is currently in the suspension and monitoring phase.</p>	<p>The outstanding activities for IMP3-4 are the rehabilitation of Carpentaria 1 well pad and the monitoring, suspension and abandonment of the Carpentaria 1 well (overlapping scope with 2-6.1).</p> <p>The IMP5-3 EMP already includes all management, maintenance, monitoring and rehabilitation obligations for the Carpentaria 1 well pad. Therefore, no modification of</p>

				<p>IMP5-3 is required for these items.</p> <p>The only regulated activity from the historical EMP to be incorporated in the IMP5-3 modification is the monitoring, suspension and abandonment of the Carpentaria 1 well.</p>
	<p>The IMP5-3 EMP has been amended to include the Carpentaria 1 well monitoring, suspension and abandonment activity.</p>			
<p>Geospatial Files Included?</p>	<p>No</p>			

Does the proposed change result in a new, or increased, potential or actual environmental impact or risk?	If an INCREASE in an existing potential or actual environmental impact or risk is it provided for in the approved EMP?	Does the proposed change require additional mitigation measures to be included?	Has additional stakeholder engagement been conducted?	Does it require additional environmental performance standards and measurement criteria?	Does it affect compliance with Sacred Site Authority Certificates?	Does it affect current rehabilitation, weed, fire, wastewater, erosion and sediment control, spill or emergency response plans?	Will the environmental outcome continue to be achieved and will the impacts and risks be managed to ALARP and acceptable?
<p>No.</p> <p>The incorporation of outstanding regulated activities under IMP 2-6.1 and IMP 3-4 into IMP 5-3 does not introduce new or increased environmental impacts or risks. The existing IMP 5-3 comprehensively addresses potential environmental impacts, risks and controls for the outstanding regulated activities including</p>	<p>N/A</p> <p>There is no increase in an existing potential or actual environmental impact or risk under IMP 5-3 by the incorporation of outstanding regulated activities under IMP 2-6.1 and IMP 3-4.</p>	<p>No.</p> <p>The incorporation of outstanding regulated activities under IMP 2-6.1 and IMP 3-4 into IMP 5-3 does not require additional mitigation measures. The approved</p>	<p>No.</p> <p>Additional stakeholder engagement is not required for this modification. No new land disturbance is proposed. Stakeholder engagement</p>	<p>No.</p> <p>The Environmental performance standards and measurement criteria under IMP 5-3 encompass those required for outstanding activities under IMP 2-6.1 and IMP 3-4.</p>	<p>No.</p> <p>All activities are within the AAPA certificate boundary.</p>	<p>No.</p> <p>The incorporation of outstanding regulated activities under IMP 2-6.1 and IMP 3-4 into IMP 5-3 does not affect current rehabilitation, weed, fire, wastewater, erosion and sediment control, spill, or emergency</p>	<p>Yes</p> <p>The incorporation of outstanding regulated activities under IMP 2-6.1 and IMP 3-4 into IMP 5-3 will continue to achieve the environmental outcomes.</p>

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<p>procedures for decommissioning, monitoring, and rehabilitation of well, well pad and access track. The monitoring, suspension, abandonment and rehabilitation of the Carpentaria-1 well, well pad area and access track will be covered by the approved environmental controls and performance standards in IMP 5-3.</p>		<p>environmental controls and performance standards in IMP 5-3, including procedures for the monitoring, maintenance and management of well pads and access tracks in the Project Area, as well as monitoring, suspension and abandonment, of wells. These procedures will be applied to Carpentaria 1</p>	<p>for the Carpentaria-1 well activities was undertaken during the approval processes for IMP 2-6.1 and IMP 3-4. The modification will maintain all previously agreed ongoing stakeholder commitments of IMP 2-6.1 and IMP 3-4 under the IMP5-3 Stakeholder management plan.</p>			<p>response plans. All approved mitigation measures and controls under IMP 5-3 encompass those required for outstanding activities under IMP 2-6.1 and IMP 3-4.</p>	<p>The impacts and risks will continue be managed to ALARP and acceptable under IMP 5-3.</p>
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Current EMP Text		Amended EMP Text	
Table ii Summary of Activity		Table ii Summary of Activity	
Component	Quantity (up to)	Component	Quantity (up to)
Petroleum & HF Stimulation		Petroleum & HF Stimulation	
Wells	Up to 9 new (including re-entry of one) and 3 existing wells	Wells	Up to 9 new (including re-entry of one) and 3 existing wells
Well Pads	Up to 4 new (plus use, and potential expansion, of 2 existing)	Decommissioning	All 9 new wells and 4 existing wells (including Carpentaria 1 well)
Wells to be Hydraulically Fractured	Up to 9	Well Pads	Up to 4 new (plus use, and potential expansion, of 2 existing)
Proppant (sand) (tons)	Up to 14,000 tonnes per well	Wells to be Hydraulically Fractured	Up to 9
		Proppant (sand) (tons)	Up to 14,000 tonnes per well

Definitions		Definitions	
Terminology	Definition	Terminology	Definition
<p>Activity (may be referred to as “the Activity” in this EMP)</p>	<p>The Regulated Activity and associated works covered by this EMP include:</p> <ul style="list-style-type: none"> • Land clearing to establish up to four new well pads out of five locations being considered, as well as the potential expansion of the existing well pads at Carpentaria 2/3 and 4. • Clearing for new access tracks and the expansion of existing landowner tracks. • Clearing for gas and water/wastewater flowlines and a connection to the McArthur River Gas Pipeline (MRGP). • Clearing for up to 9 new gravel pits plus the expansion of three existing gravel pits at Carpentaria 1, 2/3 and 4. • Clearing to establish a gas plant, water handling station, campsite, groundwater extraction and control monitoring bores, and a communications satellite dish. 	<p>Activity (may be referred to as “the Activity” in this EMP)</p>	<p>The Regulated Activity and associated works covered by this EMP include:</p> <ul style="list-style-type: none"> • Land clearing to establish up to four new well pads out of five locations being considered, as well as the potential expansion of the existing well pads at Carpentaria 2/3 and 4. • Clearing for new access tracks and the expansion of existing landowner tracks. • Clearing for gas and water/wastewater flowlines and a connection to the McArthur River Gas Pipeline (MRGP). • Clearing for up to 9 new gravel pits plus the expansion of three existing gravel pits at Carpentaria 1, 2/3 and 4. • Clearing to establish a gas plant, water handling station, campsite, groundwater extraction and control monitoring bores, and a communications satellite dish.

	<ul style="list-style-type: none"> • Earthworks associated with excavating drilling sumps, turkey’s nests, trenching for gas, and water flowline and MRGP connection. • Construction of new groundwater extraction bores, above-ground tanks, the Carpentaria Gas Plant (CGP) (including office warehouse, workshop), Water Handling Station (WHS)), gas and water/wastewater flowlines. • Drilling, hydraulic fracturing, completion, and workover of up to 9 new wells (including the re-entry of the existing well at Carpentaria 4), and the tie in and testing of up to 9 new wells plus the existing wells at Carpentaria 2/3 and 1 additional well from IMP4-3. • Operations and maintenance of up to 12 (up to 9 new and 3 existing) gas wells, new and existing well pads, laydown yard and helipad location at Carpentaria 1, groundwater extraction bores, above-ground tanks, the Carpentaria Gas Plant (CGP), Water Handling Station (WHS), gas and water/wastewater flowlines and camps (inc. irrigation of treated sewage effluent and grey water). 		<ul style="list-style-type: none"> • Earthworks associated with excavating drilling sumps, turkey’s nests, trenching for gas, and water flowline and MRGP connection. • Construction of new groundwater extraction bores, above-ground tanks, the Carpentaria Gas Plant (CGP) (including office warehouse, workshop), Water Handling Station (WHS)), gas and water/wastewater flowlines. • Drilling, hydraulic fracturing, completion, and workover of up to 9 new wells (including the re-entry of the existing well at Carpentaria 4), and the tie in and testing of up to 9 new wells plus the existing wells at Carpentaria 2/3 and 1 additional well from IMP4-3. • Operations and maintenance of up to 12 (up to 9 new and 3 existing) gas wells, new and existing well pads, laydown yard and helipad location at Carpentaria 1, groundwater extraction bores, above-ground tanks, the Carpentaria Gas Plant (CGP), Water Handling Station (WHS), gas and water/wastewater flowlines and camps (inc. irrigation of treated sewage effluent and grey water). 	
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	<ul style="list-style-type: none">• The storage and transportation of petroleum from up to 12 gas wells through flowlines and gas plant to the MRGP.• The storage, transfer, reuse, use, and disposal of wastewater or hazardous substances via flowline and heavy vehicle.• The recovery of petroleum on an appraisal basis.• Suspension or abandonment of the wells, and decommissioning of facilities.		<ul style="list-style-type: none">• The storage and transportation of petroleum from up to 12 gas wells through flowlines and gas plant to the MRGP.• The storage, transfer, reuse, use, and disposal of wastewater or hazardous substances via flowline and heavy vehicle.• The recovery of petroleum on an appraisal basis.• Suspension or abandonment of the wells, and decommissioning of facilities.• Monitoring, suspension or abandonment of the existing Carpentaria 1 well	
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1 3. Description of the Activity

1.1 3.1 The Activity

The Regulated Activity and associated works covered by this EMP includes:

- Land clearing to establish up to four new well pads out of five locations being considered, as well as the potential expansion of the existing well pads at Carpentaria 2/3 and 4.
- Clearing for new access tracks, and the expansion of existing landowner tracks.
- Clearing for gas and water/wastewater flowlines and a connection to the McArthur River Gas Pipeline (MRGP).
- Clearing for up to nine new gravel pits plus the expansion of three existing gravel pits at Carpentaria 1, 2/3 and 4.
- Clearing to establish a gas plant, water handling station, campsite, ground water extraction and control monitoring bores, and a communications satellite dish.
- Earthworks associated with excavating drilling sumps, turkey's nests, trenching for gas, and water flowline and MRGP connection.
- Construction of new groundwater extraction bores, above ground tanks, the Carpentaria Gas Plant (CGP) (inc. office warehouse,

2 3. Description of the Activity

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The Regulated Activity and associated works covered by this EMP includes:

- Land clearing to establish up to four new well pads out of five locations being considered, as well as the potential expansion of the existing well pads at Carpentaria 2/3 and 4.
- Clearing for new access tracks, and the expansion of existing landowner tracks.
- Clearing for gas and water/wastewater flowlines and a connection to the McArthur River Gas Pipeline (MRGP).
- Clearing for up to nine new gravel pits plus the expansion of three existing gravel pits at Carpentaria 1, 2/3 and 4.
- Clearing to establish a gas plant, water handling station, campsite, ground water extraction and control monitoring bores, and a communications satellite dish.
- Earthworks associated with excavating drilling sumps, turkey's nests, trenching for gas, and water flowline and MRGP connection.
- Construction of new groundwater extraction bores, above ground tanks, the Carpentaria Gas Plant (CGP) (inc. office warehouse, workshop), Water Handling Station (WHS), gas and water/wastewater flowlines.

<p>workshop), Water Handling Station (WHS), gas and water/wastewater flowlines.</p> <ul style="list-style-type: none">• Drilling hydraulic fracturing completion and workover of up to 9 new wells (including the re-entry of the existing well at Carpentaria 4), and the tie in and testing of up to 9 new wells plus the existing wells at Carpentaria 2/3 and 1 additional well from IMP 4-3.• Operation and Maintenance of up to 12 (up to 9 new and 3 existing) gas wells, new and existing well pads, laydown yard and helipad location at Carpentaria 1, groundwater extraction bores, above-ground tanks, the Carpentaria Gas Plant (CGP), Water Handling Station (WHS), gas and water/wastewater flowlines and camps (including irrigation of treated sewage effluent and grey water).• The storage and transportation of petroleum from up to 12 gas wells through flowlines and gas plant to the MRGP.• The storage, transfer, reuse, use, and disposal of wastewater or hazardous substances via flowline and heavy vehicle.• The recovery of petroleum on an appraisal basis.• Suspension or abandonment of the wells and decommissioning, of facilities.	<ul style="list-style-type: none">• Drilling hydraulic fracturing completion and workover of up to 9 new wells (including the re-entry of the existing well at Carpentaria 4), and the tie in and testing of up to 9 new wells plus the existing wells at Carpentaria 2/3 and 1 additional well from IMP 4-3.• Operation and Maintenance of up to 12 (up to 9 new and 3 existing) gas wells, new and existing well pads, laydown yard and helipad location at Carpentaria 1, groundwater extraction bores, above-ground tanks, the Carpentaria Gas Plant (CGP), Water Handling Station (WHS), gas and water/wastewater flowlines and camps (including irrigation of treated sewage effluent and grey water).• The storage and transportation of petroleum from up to 12 gas wells through flowlines and gas plant to the MRGP.• The storage, transfer, reuse, use, and disposal of wastewater or hazardous substances via flowline and heavy vehicle.• The recovery of petroleum on an appraisal basis.• Suspension or abandonment of the wells and decommissioning, of facilities.• Monitoring, suspension or abandonment of the existing Carpentaria 1 well
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