



2018 Annual Compliance Report – Stormwater Return Dam (EPBC 2010/5561)

Effective: 14/01/2019

Owner: Environment and Community Coordinator

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1 Introduction

Approval under the Environment Protection and Biodiversity Conservation Act 1999 (EPBC) for the stormwater return dam (SRD) was granted by the Department on the 2nd December 2011 (approval number EPBC 2010/5561). The federal approval is held by Adani Abbot Point Terminal. Abbot Point Bulkcoal (APB) operate and maintain Abbot Point Coal Terminal #1 (APCT#1) on their behalf under the provisions of an Operations and Maintenance Contract.

The SRD is integral to the Terminal's water management system, facilitating water recycling via capture of water in the existing water management system and reuse as process water around the site. Utilising the SRD, the APCT#1 will have enough water to process the nameplate capacity of the Terminal of 50 million tonnes per year.

The stormwater return dam is monitored and managed in accordance with the Operational Environmental Management Plan (OEMP) which includes responsibilities held by both AAPT and APB.

This report is prepared in accordance with compliance auditing and monitoring reporting requirements of the Department of Environment and Energy approval.

2 Compliance Condition Checklist

No.	Condition	Compliant			Comment
		Y es	N o	N A	
1	<p>The person taking the action must submit a <i>Construction Environment Management Plan (CEMP)</i> to protect the values of the Great Barrier Reef World Heritage Area and National Heritage Place. The CEMP must include but not be limited to:</p> <ul style="list-style-type: none"> a. Detailed Sediment and erosion control measures consistent with IECA (2008), <i>Best Practice Erosion and Sediment Control. International Erosion Control Association (Australasia)</i> b. Detailed Acid Sulfate Soil management measured consistent with the <i>Guidelines for Sampling and Analysis of Lowland Acid Sulfate Soils in Queensland (1998)</i> and the <i>Queensland Acid Sulfate Soils (ASS) Technical Manual- Soil Management Guidelines (2002)</i>. <p>The person taking the action must not commence construction unless the CEMP is approved by the Minister or deemed acceptable by an appropriate Queensland government agency as agreed by the department in writing.</p>	✓			The construction phase of the SRD has long been completed. The CEMP that was developed for the construction phase was fully complied with.

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		Y es	N o	N A	
2	<p>The person taking the action must submit a <i>Water Quality Monitoring Plan (WQMP)</i> to protect the values of the Great Barrier Reef World Heritage and National Heritage Place.</p> <p>The <i>WQMP</i> must include by not be limited to:</p> <ol style="list-style-type: none"> A minimum of three (3) baseline water quality reference sites in Kaili (Caley) Valley Wetland (the wetland), as minimum of one (1) baseline water quality reference site in Sediment Pond 2, and one (1) baseline water quality reference site within the stormwater return dam; A description of the biophysical character and morphology of all baseline water quality reference sites; Baseline estimates for the 20th, 50th and 80th percentile for all water quality parameters in the wetland and Sediment Pond 2 in accordance with <i>Queensland Water Quality Guidelines (2009)</i>; Provisions to monitor and annually report water quality parameters in the wetland and Sediment Pond 2 before and after a discharge event for a period of 5 years Identify threshold triggers and the response activities that will be implemented if a threshold is reached; Measures to ensure that there is no net increase in background levels of nitrogen, phosphorous, salts, organic matter (measured by biochemical or chemical oxygen demand) or other contaminants in the wetland as a result of discharges from the stormwater return dam Reporting arrangements to the department, management and external stakeholders including procedures for reporting non-compliance; and Monitoring that is in accordance with the relevant methods described in the <i>Queensland Water Quality Guidelines (2009)</i> and subsequent thereof. <p>Results of the Monitoring Programs (including data and its interpretation) are to be provided annually, by 31st January each year to the Department. These results, including data and its interpretation, must be published on the proponent's website within 1 month of being approved and made available for 6 months.</p> <p>The person taking the action must not commence construction unless the WQMP is approved by the Minister or deemed acceptable by an appropriate Queensland government agency as agreed by the department in writing.</p>	✓			<p>The approved WQMP is included as Appendix D in the OEMP. All requirements of condition 2 are addressed in the WQMP.</p> <p>Construction did not commence until approval of the OEMP (and WQMP) was granted.</p> <p>The project was approved on the 2nd December 2011 and made operational in 2013. The requirement for reporting monitoring results, prescribed in condition 2d, has now expired.</p>

No.	Condition	Compliant			Comment
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3	<p>The person taking the action must submit an <i>Operational Environmental Management Plan (OEMP)</i> to protect the values of the Great Barrier Reef World Heritage Area and National Heritage Place.</p> <p>The OEMP must address the matters listed below and state the environmental objectives, performance criteria, monitoring, reporting, corrective action, responsibility and timing of each of these matters but not be limited to:</p> <ol style="list-style-type: none"> Detailed sediment and erosion control measures, consistent with <i>IECA (2008), Best Practice Erosion and Sediment Control. International Erosion Control Association (Australasia)</i> Detailed Acid Sulfate Soil management measures, consistent with the <i>Guidelines for Sampling and Analysis of Lowland Acid Sulfate Soils (ASS) in Queensland (1998)</i> and the <i>Queensland Acid Sulfate Soil Technical Manual- Soil Management Guidelines (2002)</i>; Measures to deal with hydrocarbon , metals and other contaminants; Chemical and fuel management and spill response; Measures to protect adjacent waterways; and Emergency response measures. <p>The person taking the action must not commence operations unless the OEMP is approved by the Minister or deemed acceptable by an appropriate Queensland government agency as agreed by the department in writing.</p>	✓			All aspects of condition 3 were included in the OEMP which was approved by the Minister 1 st July 2013.
4	<p>The person taking the action must submit for the Minister's approval a <i>Decommissioning Management Plan</i>. Decommissioning must be done in a manner that does not cause significant environmental impacts and leaves the sites free from encumbrances (i.e. buildings, plant, equipment, concrete slabs, toxic chemical residues etc). Decommissioning cannot commence until the plan is approved by the Minister. The approved plan must be implemented.</p>			✓	The SRD is in use and will continue to be in the foreseeable future, hence there are no plans on the horizon to decommission.
5	<p>Within 10 days after the commencement of the action, the person taking the action must advise the department in writing of the actual date of commencement.</p>	✓			Written notification of construction commencement was completed in 2011.
6	<p>The person taking the action must maintain accurate records substantiating all activities associated with or relevant to the conditions of approval including measures taken to implement the management/monitoring plans required by this approval, and make them available upon request to the department. Such records may be subject to audit by the department or an independent auditor in accordance with Section 458 of the <i>EPBC Act</i>, or used to verify compliance with the conditions of approval. Summaries of the</p>	✓			Records of activities associated with the SRD operation and maintenance are maintained and managed by Abbot Point Bulkcoal Pty Ltd.

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7	By 28 February of each year, the person taking the action must publish a report on their website addressing compliance with the conditions of this approval over the previous 12 months, including implementation of any management/monitoring plans as specified in the conditions. Non-compliance with any of the conditions of this approval must be reported to the department at the same time as the compliance report is published.	✓			Reports are published in accordance with this approval
8	Upon the direction of the Minister , the person taking the action must ensure that an independent audit of compliance with the conditions of approval is conducted and a report submitted to the Minister . The independent auditor must be approved by the Minister prior to the commencement of the audit. Audit criteria must be agreed to by the Minister and the audit report must address the criteria to the satisfaction of the Minister .			✓	There have been no requests for independent audit to date.
9	If the person taking the action wishes to carry out any activity otherwise in accordance with the management/monitoring plan as specified in the conditions, the person taking the action must submit to the department of the Minister's written approval a revised version of that management/monitoring plan. The varied activity shall not commence until the Minister has approved the varied management/monitoring plan in writing. The Minister will not approved a varied monitoring/management plan unless the revised management/monitoring plan would result in an equivalent or improved environmental outcome over time. If the Minister approves the revised management/monitoring plan, that management/monitoring plan must be implemented in place of the management/monitoring plan originally approved.			✓	There have been no amendments or varied activities with regards to the OEMP in this reporting period
10	If the Minister believes that it is necessary or convenient for the better protection of the Great Barrier Reef World Heritage Area and National Heritage Place, the Minister may request that the person taking the action make specific revisions to the management/monitoring plan specified in the conditions and submit the revised management/monitoring plan for the Minister's written approval. The person taking the action must comply with any such request. The revised approved monitoring/management plan must be implemented. Unless the Minister has approved the revised management/monitoring plan, the person taking the action must continue to implement the management/monitoring plan originally approved, as specified in the conditions.			✓	To date the Minister has not requested specific variation be made to the approved monitoring/management plans

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11	If at any time after 5 years from the date of this approval, the person taking the action has not substantially commenced the action, then the person taking the action must not substantially commence the action without the written agreement of the Minister.			✓	The controlled action has been substantially commenced. The stormwater return dam was deemed operational in 2013 . Commissioning to the full extent of the approval is yet to occur.
12	Unless otherwise agreed to in writing by the Minister , the person taking the action must publish all management/monitoring plans referred to in these conditions of approval on their website. Each management/monitoring plan must be published on the website within 1 month of being approved.	✓			Adani Abbot Point Terminal Pty Ltd publishes monitoring/management plans on a website as per condition 12.

Table 2-1 - Condition and compliance assessment