



Abbot Point
Stormwater Return Dam
(EPBC 2010/5561)
Operation Annual Compliance
Report, 2015
22 January 2016



Table of Contents

1.	Introduction	4
1.1.	The purpose of this Document	4
1.2.	Project Background	4
1.3.	Operations	6
1.4.	Statutory Approvals	6
1.5.	Compliance Assessment Method	6
2.	Compliance Reporting - Conditions of EPBC Approval (2010/5561)	8
3.	Operational Environment Management Plan	16
3.1.	ECP 001 Flora management	17
3.2.	ECP 002 Fauna management	18
3.3.	ECP 003 Land management - Chemical	19
3.4.	ECP 004 Land management - Physical	20
3.5.	ECP 005 Surface and groundwater quality management - Chemical	21
3.6.	ECP 006 Surface water quality management - Physical	22
3.7.	ECP 007 Groundwater quantity management	23
3.8.	ECP 008 Air quality management	24

APPENDICES

Appendix A EPBC 2010/5561 Abbot Point Stormwater Return Dam EPBC Act Approval

Abbreviations

Abbreviation	Full meaning
AAPT	Adani Abbot Point Terminal Pty Ltd
APB	Abbot Point Bulk Coal Pty Ltd
ASSMP	Acid Sulfate Soils Management Plan
CCR	Construction Compliance Report
CEMP	Construction Environment Management Plan
DoE	Department of the Environment
ECP	Environmental Control Procedure
EPBC	<i>Environmental Protection and Biodiversity Conservation Act 1999</i>
ESCMP	Erosion and Sediment Control Management Plan
HDPE	High density polyethylene
NQBP	North Queensland Bulk Ports Corporation
OCR	Operation Compliance Report (this report)
OEMP	Operational Environment Management Plan
SRD	Stormwater Return Dam
SP1	Sediment Pond 1
SP2	Sediment Pond 2
T1	Abbot Point Coal Terminal
WQMP	Water Quality Monitoring Plan
WTP	Water treatment plant

1. Introduction

1.1. The purpose of this Document

This Operation Compliance Report (OCR) has been prepared for the purposes of meeting Condition 7 of the *Environment Protection and Biodiversity Conservation Act 1999* approval (EPBC 2010/5561) for the Abbot Point Stormwater Return Dam (SRD). Condition 7 requires the approval holder, Adani Abbot Point Terminal Pty Ltd (AAPT), to publish a report online addressing compliance with the conditions of the EPBC approval over the previous 12 months, including implementation of associated management/monitoring plans. Non-compliances with any of the conditions of the EPBC 2010/5561 are to be reported to the Department of the Environment (DoE, the Department) at the same time as the OCR is published.

Construction of the SRD was completed on 31st August 2013. The operation of the SRD was handed over from AAPT to Abbot Point Bulk Coal Pty Ltd (APB, a subsidiary company of Glencore Australia) on 1 September 2013, which is the official operation commencement date. Since the handover, APB has been actively implementing the Operational Environmental Management Plan (OEMP).

The present report details the environmental performance of the SRD operation from 1st January 2015 to 31st December 2015.

1.2. Project Background

Adani Abbot Point Terminal Pty Ltd (AAPT) is a subsidiary of the Adani Abbot Point Terminal Holdings Pty Ltd, a company based in Brisbane, Australia. In June 2011, Mundra Port Holding Trust which is owned by Mundra Port Pty Ltd purchased a 99 year lease of Abbot Point Coal Terminal 1 (T1) facility. The T1 facility is located 25 km to the north of Bowen in Central Queensland and has been operational since 1984. The T1 facility is operated by APB under an operation and maintenance contract with AAPT.

As part of the expansion of T1 to 50 Mtpa annual throughput capacity (X50 Project), stormwater augmentation works were proposed to increase the capacity of the stormwater management network on site. The works included the construction of a high density polyethylene (HDPE) lined 565 mega-litre capacity SRD and the following associated infrastructure (refer to Figure 1):

- Sediment Pond No.2 (SP2) intake platform and channel (located within the bounds of the existing SP2);
- SRD water treatment plant (SRD WTP); and
- Two primary pipelines including:
 - A water return pipeline connecting the SP2 intake platform and channel with the SRD WTP and SRD; and
 - A supply water pipeline, connecting the SRD with the existing Bald Hill reservoir.

Under operations phase, the SRD is operated as follows:

- subject to water being available at the SP2 intake, pumping water to the SRD from SP2 via the SRD WTP (for the purposes of pH correction, if required);
- retention of collected stormwater in the SRD; and

- pumping of water from the SRD to the Bald Hill reservoir via the SRD WTP (for the purposes of disinfection via chlorination).

Water is then used throughout T1 operations as process water.

Figure 1 – Abbot Point Stormwater Return Dam element locations



Path: G:\Plans\Project Specific\Abbot Point\2015\ESRI\Approvals\AbbotPoint SRD A4.mxd

1.3. Operations

Operation of the SRD is being undertaken by the operator of T1, APB.

Consistent with general T1 operations and management contract requirements between APB and AAPT, APB is required to operate and maintain the SRD in a manner that is compliant with the EPBC 2010/5561 approval and the approved OEMP.

1.4. Commonwealth Approval

A referral under the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act) to construct and operate the SRD was submitted to SEWPaC on 29th June 2010 by the previous T1 owner, North Queensland Bulk Ports Corporation (NQBP). The action was deemed to be a *controlled action* requiring assessment by Preliminary Documentation. The controlling provisions were:

- World Heritage Properties (sections 12 & 15A); and
- National Heritage places (sections 15B & 15C).

Preliminary Documentation was published for public notification from 6 May 2011 to 3 June 2011. Given the purchase of the 99 year lease over T1, AAPT became the new proponent for the SRD works on 13th July 2011. An EPBC approval subject to 12 conditions was issued to AAPT on 2nd December 2011. **Appendix A** contains a copy of the EPBC 2010/5561 approval.

In accordance with the conditions of the EPBC approval, the following management plans were submitted to the Department and approved:

- Construction Environment Management Plan (CEMP), including a WQMP, ESCMP and ASSMP. The CEMP was approved by SEWPaC on 12th June 2012; and
- Operational Environment Management Plan (OEMP) including a WQMP, ESCMP and ASSMP. The OEMP was approved by SEWPaC on 1st July 2013. In compliance with approval conditions, any proposed variations to the approved OEMP must be submitted to the Minister and be approved prior to implementation. The most recent version of the OEMP (Version I, December 2014) was submitted for approval on 9 February 2015 and approved on 23 March 2015 by the Delegate to the Minister.

1.5. Compliance Assessment Method

This Operation Compliance Report (OCR) was prepared on the basis of:

- a compliance audit and monitoring report provided by the SRD operator (APB) to AAPT
- review of fortnightly (and monthly following approval of Rev I of the OEMP) reporting documentation designed specifically to assist inspection and recording of OEMP control measures implementation; and
- discussion with the APB Senior Environment and Community advisor.

The following terminology has been used throughout this document to define the level of compliance:

- **Compliant** – The works have been carried out in accordance with the environmental control procedures detailed within the approved OEMP and associated sub-management plans or the conditions of the EPBC approval;

- **Partially compliant** – The works have been carried out in accordance with the intent of environmental control procedures detailed within the approved OEMP and associated sub-management plans or the conditions of the EPBC approval, with some requirements not being fully implemented.
- **Not compliant** – The works have not been carried out in accordance with the environmental control procedures detailed within the approved OEMP, associated sub-management plans or the EPBC approval;
- **Not applicable** - The works did not trigger the environmental control procedure detailed within the approved OEMP and associated sub-management plans or the condition of the EPBC approval is not relevant to the particular activity.

2. Compliance Reporting - Conditions of EPBC Approval (2010/5561)

Table 2 details compliance of the SRD operations against each condition of the EPBC 2010/5561 approval from 1 January 2015 to 31 December 2015.

Table 2 EPBC Approval Conditions 2010/5561

Condition	Status	Comments
<p>1. The person taking the action must submit a Construction Environment Management Plan (CEMP) to protect the values of the Great Barrier Reef World Heritage Area and National Heritage Place.</p> <p>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), Best Practice Erosion and Sediment Control. International Erosion Control Association (Australasia); and b) Detailed Acid Sulfate Soil management measures, consistent with the Guidelines for Sampling and Analysis of Lowland Acid Sulfate Soils in Queensland (1998) and the Queensland Acid Sulfate Soils (ASS) Technical Manual – Soil Management Guidelines (2002). <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>	<p>Not applicable</p>	<p>This condition relates to preparation of material relevant to the SRD construction phase. SRD construction phase (including commissioning) was completed by 31 August 2013.</p> <p>Compliance reporting against this condition is contained within the report titled 'Abbot Point Stormwater Return Dam Construction Compliance Report', which was published on 30 September 2013 and is available on the Adani Australia website (http://www.adaniaustralia.com).</p>

Condition	Status	Comments
2. The person taking the action must submit a Water Quality Monitoring Plan (WQMP) to protect the values of the Great Barrier Reef World Heritage Area and National Heritage Place.	Compliant	Water quality management plans (WQMPs) have been developed separately for construction and operation phases. These management plans include requirements for monitoring of water quality.
The WQMP must include but not be limited to:		
a) A minimum of three (3) baseline water quality reference sites in Kaili (Caley) Valley Wetland (the wetland), a 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;		The construction phase WQMP was submitted to the Department on 21 March 2012 as part of the CEMP, which was approved on 13 June 2012.
b) A description of the biophysical character and morphology of all baseline water quality reference sites;		The operation phase WQMP was submitted to the Department as part of the OEMP on 10 May 2013. The WQMP has not been modified as part of any update to the OEMP.
c) Baseline estimates for the 20th, 50th and 80th percentiles for all water quality parameters in the wetland and Sediment Pond 2 in accordance with Queensland Water Quality Guidelines (2009);		This is not relevant to the 2015 operation compliance report.
d) 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;		
e) Identify threshold triggers and the response activities that will be implemented if a threshold is reached;		
f) Measures to ensure that there is no net increase in background levels of nitrogen, phosphorous, salts, organic matter, (as measures by biochemical or chemical oxygen demand) or other contaminants in		

Condition	Status	Comments
<p>the wetland as a result of discharges from the Stormwater Return Dam;</p> <p>g) Reporting arrangements to the department, management and external stakeholders including procedures for reporting non-compliance; and</p> <p>h) Monitoring that is in accordance with the relevant methods described in the Queensland Water Quality Guidelines (2009) and subsequent versions thereof.</p>		
<p>Results of the Monitoring Programs (including data and its interpretation) are to be provided annually, by 31 January of 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>Results and interpretation for water quality monitoring undertaken during operations over 2015 were provided to the Department on 22 January 2015 in the 'Abbot Point Stormwater Return Dam (EPBC 2010/5561) 2015 Water Quality Monitoring Report', a copy of which will be available on the Adani Australia website (http://www.adaniaustralia.com).</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>3. The person taking the action must submit an Operational Environment Management Plan (OEMP) 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>	<p>Not applicable</p>	<p>AAPT submitted an OEMP on 10 May 2013. The Department approved the OEMP (version dated 26 June 2013) on 1 July 2013.</p> <p>The OEMP was prepared in accordance with the condition requirements and in line with the existing Abbot Point Coal Terminal 1 Environmental Management Plan (APB EMP 10.0). It includes an Erosion and Sediment Control Management Plan which was prepared in accordance with the principles of the <i>IECA</i></p>

Condition	Status	Comments
<p>a) Detailed sediment and erosion control measures, consistent with IECA (2008), Best Practice Erosion and Sediment Control. International Erosion Control Association (Australasia);</p> <p>b) Detailed Acid Sulfate Soil management measures, consistent with the Guidelines for Sampling and Analysis of Lowland Acid Sulfate Soils (ASS) in Queensland (1998) and the Queensland Acid Sulfate Soil Technical Manual- Soil Management Guidelines (2002);</p> <p>c) Measures to deal with hydrocarbons, metals and other contaminants;</p> <p>d) Chemical and fuel management and spill response;</p> <p>e) Measures to protect adjacent waterways ; and</p> <p>f) Emergency response measures.</p>		<p>(2008), Best Practice Erosion and Sediment Control Guidelines and an Acid Sulfate Soil Management Plan prepared in accordance with the <i>Guidelines for Sampling and Analysis of Lowland Acid Sulfate Soil Technical Manual-Soil Management Guidelines (2002)</i>. These measures have not been subject to change within any variation to the OEMP.</p>
<p>The person taking the action must not commence operation 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>		<p>The operation of the SRD commenced on 1 September 2013. The Department was advised in writing of the commencement of operations on 3 September 2013. This is not relevant to the 2015 operation compliance report.</p>
<p>4. The person taking the action must submit for the Minister's approval a Decommissioning Management Plan. Decommissioning must be done in a manner that does not cause significant environmental impacts and leaves the sites free of encumbrances (i.e. buildings, plant, equipment, concrete slabs, toxic chemical residues etc.). Decommissioning cannot commence until the plan</p>	<p>Not applicable</p>	<p>A Decommissioning Management Plan will be submitted to the Department once decommissioning of the SRD is contemplated.</p>

Condition	Status	Comments
<p>is approved by the Minister. The approved plan must be implemented.</p>		
<p>5. 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>	<p>Not applicable</p>	<p>The Department was advised of the commencement of the action (being construction) on 18 June 2012.</p> <p>The Department was advised on 3 September 2013 of SRD operations commencing on 1 September 2013. This is not relevant to the 2015 operation compliance report.</p>
<p>6. 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.</p> <p>Such records may be subject to audit by the department or an independent auditor in accordance with section 458 of the EPBC Act, or used to verify compliance with the conditions of approval. Summaries of audits will be posted on the department's website. The results of audits may also be publicised through the general media.</p>	<p>Compliant</p>	<p>In respect of SRD operations for the 2015 annual reporting period, all completed checklists are collated and available for inspection. The checklists were developed to provide a consistent approach to routine inspection, monitoring and recording of control measure implementation for SRD operations.</p> <p>No requests for records have been made by the Department.</p>
<p>7. By 28 February of each year, the person taking the action must publish a report on their website addressing</p>	<p>Compliant</p>	<p>The Annual Compliance Report 2014 was uploaded to the Adani Ports website by 28 February 2015. This report is located on the Adani Australia website (http://www.adaniaustralia.com).</p>

Condition	Status	Comments
<p>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.</p>		<p>The present report has been prepared in response to Condition 7 in relation to addressing compliance with the conditions during SRD operations. There are no non-compliances with approval conditions to report in the reporting period.</p>
<p>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.</p>	<p>Not applicable</p>	<p>No requests have been made by the Minister to undertake an independent audit of compliance with the conditions of approval.</p>
<p>9. If the person taking the action wishes to carry out any activity otherwise than in accordance with the management/monitoring plan as specified in the conditions, the person taking the action must submit to the department for 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 approve a varied management/monitoring 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</p>	<p>Compliant</p>	<p>An updated OEMP (Rev I, December 2014) was provided to the Minister for review on 9 February 2015 and approved by the Delegate of the Minister on 23 March 2015. The update principally reflected the change from construction to operations phase. The updated OEMP was implemented following advice of the approval.</p>

Condition	Status	Comments
<p>management/monitoring plan must be implemented in place of the management/monitoring plan originally approved.</p>		
<p>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 specified 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 management/monitoring plan must be implemented. Unless the Minister has approved the revised management/monitoring plan, then the person taking the action must continue to implement the management/monitoring plan originally approved, as specified in the conditions.</p>	<p>Not applicable</p>	<p>No requests have been made by the Minister to undertake revisions to the relevant management/monitoring plans specified in the EPBC approval conditions.</p>
<p>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.</p>	<p>Not applicable</p>	<p>The Department was advised of the commencement of the action (being construction) on 18 June 2012. The Department was advised on 3 September 2013 of SRD operations commencing on 1 September 2013.</p>
		<p>This is not relevant to the 2015 operation compliance report.</p>
<p>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</p>	<p>Compliant</p>	<p>The management and monitoring plans remain available on the Adani Australia website (http://www.adaniaustralia.com).</p>

Condition

Status

Comments

conditions of approval on their website. Each management/monitoring plan must be published on the website within 1 month of being approved.

3. Operational Environment Management Plan

The following table details the compliance of the SRD operations against the environmental control procedures (ECPs) that give effect to the requirements of the approved OEMP, including sub-management plans, between 1 January 2015 to 31 December 2015.

The OEMP contains 8 specific ECPs:

- ECP 001 – Flora management
- ECP 002 - Fauna management
- EPC 003 – Land management – Chemical
- ECP 004 – Land management – Physical
- ECP 005 – Surface and groundwater quality management – Chemical
- ECP 006 – Surface water quality management – Physical
- ECP 007 – Groundwater quality management
- ECP 008 – Air quality management

Implementation and compliance with the ECPs is the responsibility of the terminal operator (APB).

Routine monitoring in respect of specified control measures within the ECPs is achieved through fortnightly inspections (revised to monthly inspections following approval of OEMP Rev I in March 2015) and checklist completion by APB, with monthly review by Adani. The checklist used was approved as part of the OEMP. Completed checklists provide records upon which compliance with ECPs control measures can be assessed.

3.1. ECP 001 Flora management

Compliance statement: Flora management requirements under ECP 001 were complied with.

Control measures	Status/Comment	Evidence
<ul style="list-style-type: none"> • All vehicles will remain on designated tracks and roadways within approved areas of the APCT#1 • Access tracks to be maintained in a safe and reliable state • SRD maintenance or operational clearing will be minimal and will be undertaken in accordance with APB 10.0 EMP and APB 10.5 Biodiversity and Land Management Plan • Weed control to be undertaken as part of general site maintenance activities. • There will be active management of the planted grasses on the SRD walls. 	<p>Compliant</p> <ul style="list-style-type: none"> • No tracks of vehicles observed other than on designated tracks and roadways. Access roads and tracks remained in good working order. • No maintenance or operational clearing was required or undertaken. • Weed monitoring undertaken each fortnight/month. Weed spraying occurred in March. Minor weed growth had been identified along fence-line. • Some died-back of vegetation on SRD walls was noted since March, due to lack of rain. No rehabilitation was required. 	<ul style="list-style-type: none"> • Inspection checklists (including photographs) provided by APB to AAPT.

3.2. ECP 002 Fauna management

Compliance statement: Fauna management requirements under ECP 002 were complied with.

Control measures	Status/Comment	Evidence
<ul style="list-style-type: none"> • SRD fully fenced to exclude fauna entry and reduce potential for strandings • Personnel will not feed native animals. • Maintain all areas of fauna proof 	<p>Compliant</p> <ul style="list-style-type: none"> • A dead bird was noted on the black liner in May. Cause of death unknown, but being on the liner, it was not likely via drowning. • Fences remained in good working order 	<ul style="list-style-type: none"> • Inspection checklists (including photographs) provided by APB to AAPT.

3.3. ECP 003 Land management – Chemical

Compliance statement: Land management requirements (chemical) under ECP 003 were complied with.

Control measures	Status/Comment	Evidence
<ul style="list-style-type: none"> • Chemical dosing plant to have appropriate bunding through design and construction • Pumps and equipment is powered through electricity minimising the use of hydrocarbon fuels • Hydrocarbons and chemicals to be managed in accordance with APB 9.8 Control of Hazardous Materials • Spill management in accordance with APB 10.0 EMP • Chemical dosing plant operation and maintenance undertaken by trained/competent persons • All maintenance of pumps will be undertaken by competent maintenance personnel and this will be managed through the PULSE system • All refuelling of vehicles to be undertaken at designated refuelling areas located outside the SRD operational area as per APB 6.2 Traffic Management Plant • Waste will be managed in accordance with APB 10.0 EMP and APB 14.2 Waste Management 	<p>Compliant</p> <ul style="list-style-type: none"> • The chemical dosing plant is contained within a bunded area. • A hazardous chemical spill kit is on hand. Completeness of kit is noted monthly, and audits were noted as having occurred in February, May and November 2015. • Management is being undertaken in accordance with APB control procedures, including preparedness for spills. 	<ul style="list-style-type: none"> • Inspection checklists (including photographs) provided by APB to AAPT.

3.4. ECP 004 Land management – Physical

Compliance statement: Land management (physical) requirements under ECP 004 were complied with.

Control measures	Status/Comment	Evidence
<ul style="list-style-type: none"> • SRD constructed with long-life HDPE liner to prevent leaking • Interlocks provided between SP2 pick-up pump/s and SRD water level indicators to ensure sufficient freeboard • Online real time monitoring of filling operations via onsite SCADA system • SRD designed (through a failure impact assessment) to minimise the chance of a critical dam wall failure • SRD wall stabilised with grass • SRD constructed with outer toe/cess-drain, drained via erosion and sediment control devices to surrounding areas and existing APCT#1 water management system. • Implementation of Erosion and Sediment Control Plan • Active management of the SRD rehabilitated walls. 	<p>Compliant</p> <ul style="list-style-type: none"> • The SRD has a HDPE liner that was checked for leaks during commissioning • The SRD wall design was constructed according to the engineered design. The dam is not classified as a hazardous dam that requires failure impact assessment. • Monitoring is undertaken, including inspection of drains and SRD walls for erosion and sedimentation and grass cover. SRD walls now stabilised with planted grasses, although some die back had been identified from March. 	<ul style="list-style-type: none"> • Photographs of installed liner. • Inspection checklists (including photographs) provided by APB to AAPT.

3.5. ECP 005 Surface and groundwater quality management – Chemical

Compliance statement: Surface and groundwater quality management (chemical) requirements under ECP 005 were complied with.

Control measures	Status/Comment	Evidence
<ul style="list-style-type: none"> • Chemical dosing plant to have appropriate bunding through design and construction • Chemicals to be managed in accordance with APB 9.8 Control of Hazardous Materials • Pumps and equipment are powered through electricity minimising the use of hydrocarbon fuels • Spill management undertaken in accordance with APB 10.0 EMP • Chemical dosing plant operation and maintenance undertaken by trained/competent persons • Waste will be managed in accordance with APB 10.0 EMP and APB 14.2 Waste Management Procedure • All maintenance of pumps will be undertaken by competent maintenance personnel and this will be managed through the PULSE system • All refuelling of vehicles to be undertaken at designated refuelling areas located outside the SRD operational area in accordance with APB 6.2 Traffic Management Plan. • Hydrocarbons to be managed in accordance with APB 9.8 Control of Hazardous Materials. 	<p>Compliant</p> <ul style="list-style-type: none"> • The chemical dosing plant is contained within a concrete bunded area. • A hazardous chemical spill kit is on hand. Completeness of kit is noted monthly, and audits were noted as having occurred in February, May and November 2015. • Management being undertaken in accordance with APB control procedures. 	<ul style="list-style-type: none"> • Inspection checklists (including photographs) provided by APB to AAPT.

3.6. ECP 006 Surface water quality management – Physical

Compliance statement: Surface and groundwater quality management (Physical) requirements under ECP 006 were complied with.

Control measures	Status/Comment	Evidence
<ul style="list-style-type: none"> • SRD constructed with long-life HDPE liner to prevent leaking • Interlocks provided between SP2 pick-up pump/s and SRD water level indicators to ensure sufficient freeboard • Online real time monitoring of filling operations via onsite SCADA system • SRD wall stabilised with grass • Active management of the SRD rehabilitated walls • Implementation of Erosion and Sediment Control Plan • Implementation of the ASSMP if acid sulphate soils are detected. 	<p>Compliant</p> <ul style="list-style-type: none"> • The SRD has a HDPE liner that was checked for leaks during commissioning • The SRD wall design was constructed according to the engineered design. The dam is not classified as a hazardous dam and so does not require failure impact assessment. • Monitoring is undertaken as required, including of drains and walls for erosion and sedimentation, grass cover and rehabilitated where necessary to maintain function and integrity. Walls have been stabilised by vegetation but minor die back was noted since March. • Acid sulphate soils requiring management were not identified during construction. No evidence of acid sulphate soils has been identified. 	<ul style="list-style-type: none"> • Photographs of installed liner. • Inspection checklists (including photographs) provided by APB to AAPT.

3.7. ECP 007 Groundwater quantity management

Compliance Statement: Groundwater quality management requirements under ECP 007 were complied with.

Control measures	Status/Comment	Evidence
<ul style="list-style-type: none"> SRD constructed with long-life HDPE liner to prevent leaking. 	<p>Compliant</p> <ul style="list-style-type: none"> The SRD has a HDPE liner that was checked for leaks during commissioning 	<ul style="list-style-type: none"> Photographs of installed liner.

3.8. ECP 008 Air quality management

Compliance Statement: Air quality management requirements under ECP 008 were complied with.

Control measures	Status/Comment	Evidence
<ul style="list-style-type: none"> • All maintenance and operational access / egress via existing tracks and disturbed areas within the construction footprint • Driving to road conditions as highlighted in APB 6.2 Traffic Management Plan • Access tracks to be maintained in a safe and reliable state • All excavations to be undertaken in accordance with site risk management procedures which include environmental hazards (APB 5.1 Risk Management Procedure) • All excavations to be undertaken in accordance with site risk management procedures which include environmental hazards (APB 5.1 Risk Management Procedure). 	<p>Compliant</p> <ul style="list-style-type: none"> • No tracks of vehicles observed other than on designated tracks and roadways. • Access roads and tracks remained in good working order. • Excavation not required during operation period. 	<ul style="list-style-type: none"> • Inspection checklists (including photographs) provided by APB to AAPT.

4. Summary of Compliance

The assessment of compliance against each of the 12 approval conditions under EPBC 2010/5561 identified that conditions were either complied with or not applicable. No partial compliance or non-compliance was identified.

Assessment of compliance against control measures of the Environmental Control Procedures that give effect to the OEMP identified consistent compliance. No partial compliance, non-compliance or not applicable results were identified.

Appendix A

EPBC 2010/5561 Abbot Point Stormwater Return Dam EPBC Act Approval