



Centennial Coal



Springvale Water Treatment Project

SSD 7592

Progress Report #1

19 September 2017



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Introduction

SSD 7592, for the Springvale Water Treatment Project development project, was granted to Springvale Coal Pty Limited on the 19th of June 2017 by the Planning Assessment Commission (under delegation from the Minister of Planning).

The approved project encompasses the following major elements:

- A mine water transfer system with sufficient hydraulic capacity to allow transfer of 42 ML/day of dewatered mine water from the existing Gravity Tank, forming part of the approved dewatering facilities on the Newnes Plateau, to the Mt Piper Power Station (MPPS) site;
- A new water treatment plant at MPPS incorporating desalination processes to reduce the salinity in mine water to a standard suitable for either industrial reuse or environmental release;
- Transfer of treated water from the water treatment plant for use in the MPPS cooling water system;
- Infrastructure to allow pumping of excess treated water to Thompsons Creek Reservoir;
- Disposal of residuals from the pre-treatment process in the reject emplacement area (REA) at the Springvale Coal Services site;
- Transfer of the saline brine stream to the MPPS cooling water blowdown system for integration with existing treatment and brine disposal practices; and
- Installing a crystaliser to provide further treatment of the additional salt load generated within the MPPS cooling water blowdown system.

In accordance with Schedule 4, Condition 7 of SSD 7592, reproduced below in Table 1, this progress report has been prepared to address the requirements of this condition.

Table 1: Condition Requirements

Condition No.	Requirement	Section Addressed
7	<i>Progress Reporting</i> <i>The Applicant must monitor the status of the development and submit a quarterly progress report to the Secretary. The report must:</i>	Noted
(a)	<i>be submitted within 3 months of 19 June 2017 and every 3 months thereafter until the operation of the Water Treatment Plant;</i>	2
(b)	<i>describe the development (including any construction) that was carried out in the past 3 months, and the development that is proposed to be carried out over the next year;</i>	1.1 1.2
(c)	<i>identify any potential delays and describe measures to ensure that the Water Treatment Plant is operational by 1 July 2019; and</i>	1.3
(d)	<i>be made publicly available on the Applicant's website;</i>	2.1
	<i>to the satisfaction of the Secretary.</i>	Noted

1 Project Status

1.1 Works Completed over Previous Three Months

Since the approval determination on the 19th of June 2017, the following development activities have been carried out, including the development of all related management plans:

- Ground contamination survey across the works sites;
- Dilapidation survey of existing structures and land;
- Mine subsidence risk investigations;
- Geotechnical testing for structural design;
- General pre-construction survey of the pipeline and treatment plant sites;
- Design documentation completed to the 35% stage;
- Reviews of the works commissioning processes, to validate designs;
- Hazard and operability studies are currently underway, to validate the safety and reliability of the design; and
- Orders have been placed for long lead process equipment items, including specialised settlement and salt treatment systems (Actiflo and OPUS), and the brine salts crystalliser.

1.2 Works Proposed for Upcoming Year

The following work is scheduled to be completed in the forward 12 month period:

Engineering and Procurement

- Completion of all flora, fauna and heritage survey validations and protection measures;
- Completion of all detail design; and
- Placement of all orders for equipment and materials.

Water Transfer System (WTS), *i.e. pipeline to the water treatment plant*

- Selective clearing of the final pipeline route and install new pipeline;
- Directional boring of pipeline under Highway and Coxs River (no clearing required);
- Installation of fibre optic communication cable for pipeline monitoring; and
- Pre-commissioning of the WTS.

Water Treatment Facility (WTF)

- Selective clearing of the finalised footprint for the WTF, and connecting pipelines to the power station water systems;
- Civil works, including cut and fill, piles and foundations;
- Receipt of all process equipment and installation;
- Installation of switchboards and power supplies;
- Installation of buildings, offices and associated infrastructure; and
- Pre-commissioning of the WTF.

1.3 Identified Potential Delays and Mitigation Measures

Since the commencement of design and construction activities, there have been no issues related to these aspects of the Project which might cause delay to the project.

In particular, preliminary results from the ground contamination survey and mine subsidence risk investigation have not identified any issues that might cause delays.

2 Reporting

A timeline of reporting under Schedule 4, Condition 7 is tabulated below.

Table 2: Reporting Submissions

Progress Report #	Date	Prepared By	Distribution
-	19 June 2017	NA – SSD7592 Granted.	
1	19 September 2017	Springvale Coal Pty Limited	DPE, Veolia, Springvale website

2.1 Report Access

Progress Reports can be located on the Centennial Springvale website, located at the following website address:

<http://data.centennialcoal.com.au/domino/centennialcoal/cc205.nsf/Published.xsp?site=Springvale&type=Environmental%20Management%20Report&date=All>



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