

# Water Monitoring Report July 2023

SSD 9697 – Ravensworth Ash  
Pipeline Upgrade





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## 1. Introduction

This report outlines the results of water monitoring data completed for the Ravensworth Ash Line construction project associated with SSD 9697. The monitoring data presented is for 1-31 July 2023; hereby referred to as 'the reporting period'.

Monitoring is completed in accordance with the requirements of Section 7 of the Bayswater Power Station Ravensworth Ash Line – Water Management Plan – Construction (the WMP). Results are assessed against the criteria set in Section 8 of the WMP, with actions taken as per Section 9 of the WMP.

## 2. Results

### 2.1 Water Monitoring

Results for the reporting period are summarised in **Table 1**. Any results outside of criteria are highlighted in yellow..

**Table 1 – Water sampling results for the reporting period**

Sample Site	pH		Electrical Conductivity µS/cm		Turbidity (NTU)	
	Results	Criteria	Results	Criteria	Results	Criteria
<b>Monthly Sampling</b>						
Chilcotts Creek Upstream	5.78	6.5-8.5	6490	125-5438	13	6-50
Chilcotts Creek Downstream	5.91	6.5-8.5	6450	125-5438	18	6-50
Pikes Creek Upstream	Dry	6.5-8.5	Dry	125-5438	Dry	6-50
Pikes Creek Downstream	Dry	6.5-8.5	Dry	125-5438	Dry	6-50
Bayswater Creek Upstream	Dry	6.5-8.5	Dry	125-3,450	Dry	6-50
Bayswater Creek Downstream	Dry	6.5-8.5	Dry	125-3,450	Dry	6-50

*\*Pool: No flow (stagnant water)*



## 2.2 Rainfall

Daily rainfall from the main site meteorological station is presented in **Table 2**. In July 2023 there was no recorded rainfall event of 20mm or more.

**Table 2 – Daily rainfall during the reporting period**

Date	Rainfall (mm)
01/7/2023	-
02/7/2023	-
03/7/2023	-
04/7/2023	8.2
05/7/2023	0.2
06/7/2023	0.4
07/7/2023	-
08/7/2023	-
09/7/2023	-
10/7/2023	-
11/7/2023	-
12/7/2023	-
13/7/2023	-
14/7/2023	-
15/7/2023	-
16/7/2023	-
17/7/2023	-
18/7/2023	-
19/7/2023	-
20/7/2023	-



Date	Rainfall (mm)
21/7/2023	0.2
22/7/2023	-
23/7/2023	-
24/7/2023	0.2
25/7/2023	0.2
26/7/2023	-
27/7/2023	-
28/7/2023	-
29/7/2023	-
30/7/2023	-
31/07/2023	
<b>Total</b>	<b>9.4 (mm)</b>

## 2.3 Rainfall Results

Results for the reporting period are summarised in **Table 3**. There was no <20mm rainfall recorded during the reporting period.

**Table 3: Rainfall water sampling results for the reporting period**

Sample Site	pH		Electrical Conductivity µS/cm		Turbidity (NTU)	
	Results	Criteria	Results	Criteria	Results	Criteria
<b>Monthly Sampling</b>						
Chilcotts Creek Upstream	-	6.5-8.5	-	125-5438	-	6-50
Chilcotts Creek Downstream	-	6.5-8.5	-	125-5438	-	6-50
Pikes Creek Upstream	-	6.5-8.5	-	125-5438	-	6-50



Sample Site	pH		Electrical Conductivity µS/cm		Turbidity (NTU)	
	Results	Criteria	Results	Criteria	Results	Criteria
Pikes Creek Downstream	-	6.5-8.5	-	125-5438	-	6-50
Bayswater Creek Upstream	-	6.5-8.5	-	125-3,450	-	6-50
Bayswater Creek Downstream	-	6.5-8.5	-	125-3,450	-	6-50

### 3. Discussion

There was very small flowing equivalent to no flow water found at the upstream and downstream of Chilcotts Creek. No flow suggests there was standing water which would adversely impact on monitoring results. Upstream and Downstream of Pikes Creek and Bayswater Creek were recorded dry during the reporting period. These results suggest that work associated with construction of the Ravensworth Ash pipeline did not contribute to any upstream and downstream levels.