

Water Monitoring Report April 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 1-30 April 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.

Table 1 – Water sampling results for the reporting period

Sample Site	pH		Electrical Conductivity µS/cm		Turbidity (NTU)	
	Results	Criteria	Results	Criteria	Results	Criteria
Monthly Sampling						
Chilcotts Creek Upstream	6.29	6.5-8.5	6450	125-5438	12	6-50
Chilcotts Creek Downstream	7.65	6.5-8.5	6550	125-5438	55	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 April 2023 there was one recorded rainfall event of 20mm or more requiring rainfall event sampling to be undertaken.

Table 2 – Daily rainfall during the reporting period

Date	Rainfall (mm)
01/4/2023	-
02/4/2023	-
03/4/2023	-
04/4/2023	0.4
05/4/2023	-
06/4/2023	-
07/4/2023	3.2
08/4/2023	-
09/4/2023	-
10/4/2023	-
11/4/2023	-
12/4/2023	1.6
13/4/2023	1.6
14/4/2023	1.6
15/4/2023	0.2
16/4/2023	-
17/4/2023	-
18/4/2023	-
19/4/2023	-
20/4/2023	6.2



Date	Rainfall (mm)
21/4/2023	0.2
22/4/2023	-
23/4/2023	-
24/4/2023	0.2
25/4/2023	-
26/4/2023	-
27/4/2023	0.2
28/4/2023	-
29/4/2023	17.2
30/4/2023	0.4
Total	33 (mm)

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
Monthly Sampling						
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
Pikes Creek Downstream	-	6.5-8.5	-	125-5438	-	6-50



Sample Site	pH		Electrical Conductivity $\mu\text{S}/\text{cm}$		Turbidity (NTU)	
	Results	Criteria	Results	Criteria	Results	Criteria
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.