

# Water Monitoring Report January 2023

SSD 9697 – Ravensworth Ash Line  
Upgrade





**AGL Macquarie Pty Limited**  
ABN 18 167 859 494  
New England Highway  
Muswellbrook NSW 2333  
Private Mail Bag 2  
Muswellbrook NSW 2333  
t: 02 6542 0711  
agl.com.au

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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 January 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
<b>Monthly Sampling</b>						
Chilcotts Creek Upstream	6.72	6.5-8.5	7060	125-5438	12	6-50
Chilcotts Creek Downstream	6.56	6.5-8.5	7230	125-5438	70	6-50
Pikes Creek Upstream	Dry	6.5-8.5	Dry	125-5438	Dry	6-50
Pikes Creek Downstream	7.04	6.5-8.5	615	125-5438	4200	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



## 2.2 Rainfall

Daily rainfall from the main site meteorological station is presented in **Table 2**. In January 2023 there was no recorded rainfall event of 20mm or more, so no rainfall sampling or investigation was required.

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

Date	Rainfall (mm)
01/1/2023	-
02/1/2023	-
03/1/2023	-
04/1/2023	7
05/1/2023	3.2
06/1/2023	-
07/1/2023	-
08/1/2023	-
09/1/2023	-
10/1/2023	-
11/1/2023	-
12/1/2023	-
13/1/2023	-
14/1/2023	-
15/1/2023	-
16/1/2023	-
17/1/2023	-
18/1/2023	-
19/1/2023	12.4
20/1/2023	0.6



Date	Rainfall (mm)
21/1/2023	-
22/1/2023	6.4
23/1/2023	-
24/1/2023	-
25/1/2023	-
26/1/2023	3.8
27/1/2023	-
28/1/2023	-
29/1/2023	0.8
30/1/2023	6.2
31/1/2023	5.4
<b>Total</b>	<b>45.8 (mm)</b>

### 3. Discussion

The majority of sample results for January 2023 were within trigger guidelines in the WMP.

Investigation into the results outside of trigger limits at Chilcotts Creek and Pikes Creek was conducted.

Levels outside of trigger limits at Chilcotts Creek upstream, Chilcotts Creek downstream and Pikes Creek downstream were recorded. No flow was observed at the time which suggests there was standing water which would adversely impact on monitoring results. These results suggest that works associated with construction of the Ravensworth Ash Line did not contribute to any upstream and upstream levels.

Turbidity was higher than the trigger limit at Pikes Creek on the downstream side. Upstream turbidity levels were recorded dry, suggesting that works associated with construction of the Ravensworth Ash Line were not releasing sediment to the downstream side. No flow was observed at the time which suggests there was standing water which would adversely impact on monitoring results.