



Pollutant Monitoring Results - Surface Water & Discharge to Waters

EPL No:	4068
Entity Name:	Elizabeth Drive
Site:	1725 Elizabeth Drive KEMPS CREEK, NSW, 2178
Monitoring Frequency:	Quarterly
Link to NSW EPA	Click Here

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Surface Water

Location Name	EPA Monitoring Point No.	Pollutant	Unit of measure	Frequency	25/03/2025	25/06/2025 14:30	-	-	No. of samples required by licence	No. of samples collected and analysed	Lowest Sample Value	Mean Sample Value	Highest Sample Value	Comments
S1	23	Biochemical Oxygen Demand	mg/l	Quarterly	4	3			4	2	3	3.50	4	
S1	23	Conductivity	us/cm	Quarterly	1175	1228			4	2	1175	1201.50	1228	
S1	23	Nitrogen (Ammonia)	mg/l	Quarterly	<0.8	<0.8			4	2	0	<0.8	0	
S1	23	pH	pH Units	Quarterly	7.2	7.2			4	2	7.2	7.20	7.2	
S1	23	Total Organic Carbon	mg/l	Quarterly	12	8			4	2	8	10.00	12	
S1	23	Total Suspended Solids	mg/l	Quarterly	21	<10			4	2	21	21.00	21	
S2	24	Biochemical Oxygen Demand	mg/l	Quarterly	5	3			4	2	3	4.00	5	
S2	24	Conductivity	us/cm	Quarterly	1059	1055			4	2	1055	1057.00	1059	
S2	24	Nitrogen (Ammonia)	mg/l	Quarterly	<0.8	<0.8			4	2	0	<0.8	0	
S2	24	pH	pH Units	Quarterly	7.2	7.5			4	2	7.2	7.35	7.5	
S2	24	Total Organic Carbon	mg/l	Quarterly	14	6			4	2	6	10.00	14	
S2	24	Total Suspended Solids	mg/l	Quarterly	18	<10			4	2	18	18.00	18	
S3	25	Biochemical Oxygen Demand	mg/l	Quarterly	5	3			4	2	3	4.00	5	
S3	25	Conductivity	us/cm	Quarterly	1130	1133			4	2	1130	1131.50	1133	
S3	25	Nitrogen (Ammonia)	mg/l	Quarterly	<0.8	<0.8			4	2	0	<0.8	0	
S3	25	pH	pH Units	Quarterly	7.2	7.4			4	2	7.2	7.30	7.4	
S3	25	Total Organic Carbon	mg/l	Quarterly	13	6			4	2	6	9.50	13	
S3	25	Total Suspended Solids	mg/l	Quarterly	34	25			4	2	25	29.50	34	
S9	31	Biochemical Oxygen Demand	mg/l	Quarterly	6	4			4	2	4	5.00	6	
S9	31	Conductivity	us/cm	Quarterly	2037	1148			4	2	1148	1592.50	2037	
S9	31	Nitrogen (Ammonia)	mg/l	Quarterly	<0.8	1.6			4	2	1.6	<0.8	1.6	
S9	31	pH	pH Units	Quarterly	8.4	7.8			4	2	7.8	8.10	8.4	
S9	31	Total Organic Carbon	mg/l	Quarterly	14	11			4	2	11	12.50	14	
S9	31	Total Suspended Solids	mg/l	Quarterly	94	14			4	2	14	54.00	94	
S10	33	Biochemical Oxygen Demand	mg/l	Quarterly	4	4			4	2	4	4.00	4	
S10	33	Conductivity	mg/l	Quarterly	1778	952			4	2	952	1365.00	1778	
S10	33	Nitrogen (Ammonia)	us/cm	Quarterly	<0.8	<0.8			4	2	0	<0.8	0	
S10	33	pH	pH Units	Quarterly	8.4	7.8			4	2	7.8	8.10	8.4	
S10	33	Total Organic Carbon	mg/l	Quarterly	10	4			4	2	4	7.00	10	
S10	33	Total Suspended Solids	mg/l	Quarterly	10	10			4	2	10	10.00	10	
S5	59	Biochemical Oxygen Demand	mg/l	Quarterly	9	4			4	2	4	6.50	9	
S5	59	Conductivity	us/cm	Quarterly	2310	1403			4	2	1403	1856.50	2310	
S5	59	Nitrogen (Ammonia)	mg/l	Quarterly	<0.8	<0.8			4	2	0	<0.8	0	
S5	59	pH	pH Units	Quarterly	8.2	8.4			4	2	8.2	8.30	8.4	
S5	59	Total Organic Carbon	mg/l	Quarterly	<1	10			4	2	10	10.00	10	
S5	59	Total Suspended Solids	mg/l	Quarterly	15	<10			4	2	15	15.00	15	
S20	60	Biochemical Oxygen Demand	mg/l	Quarterly	5	4			4	2	4	4.50	5	
S20	60	Conductivity	us/cm	Quarterly	2620	1866			4	2	1866	2243.00	2620	
S20	60	Nitrogen (Ammonia)	mg/l	Quarterly	<0.8	2			4	2	2	<0.8	2	
S20	60	pH	pH Units	Quarterly	9.1	8.1			4	2	8.1	8.60	9.1	
S20	60	Total Organic Carbon	mg/l	Quarterly	24	12			4	2	12	18.00	24	
S20	60	Total Suspended Solids	mg/l	Quarterly	73	14			4	2	14	43.50	73	
S19	61	Biochemical Oxygen Demand	mg/l	Quarterly	4	5			4	2	4	4.50	5	
S19	61	Conductivity	mg/l	Quarterly	2115	1490			4	2	1490	1802.50	2115	
S19	61	Nitrogen (Ammonia)	us/cm	Quarterly	<0.8	1.6			4	2	1.6	<0.8	1.6	
S19	61	pH	pH Units	Quarterly	8.5	8			4	2	8	8.25	8.5	
S19	61	Total Organic Carbon	mg/l	Quarterly	19	11			4	2	11	15.00	19	
S19	61	Total Suspended Solids	mg/l	Quarterly	29	12			4	2	12	20.50	29	
Date Final Monitoring Data was Received					31/03/2025	3/07/2025								
Date Uploaded					1/04/2025	14/07/2025								

Comments:

"Empty" - No sample available as the dam was empty.

"-" Monitoring data not available yet, monitoring yet to be conducted.

Discharge to Waters

					Ammonia	Total Suspended Solids	Conductivity	Total Organic Carbon	Biological Oxygen Demand	Rainfall over any consecutive 5 day period	Comments
					mg/L	mg/L	µS/cm	mg/L	mg/L	mm	
Pollutant Limit					0.9	50	n/a	n/a	n/a		
Date Monitoring Data Uploaded	Date Monitoring Data Obtained	Monitoring Date	Time								
ADP002 (EPA ID 13)	n/a	n/a	n/a								
	No. of samples required				Special Frequency 1	Special Frequency 1	Special Frequency 1	Special Frequency 1	Special Frequency 1		
	No. of samples collected and analysed				0	0	0	0	0		
	Min				0	0	0	0	0		
	Max				0	0	0	0	0		
	Average				#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
ADP003 (EPA ID 15)		24/02/2025	16/01/2025		1.4	<10	1819	11	4	33.4	
	8/04/2025	7/04/2025	29/03/2025		<0.8	9	1720	9	3	34.8	
	21/05/2025	5/05/2025	29/04/2025		<0.8	<10	1420	9	4	43.6	
	5/06/2025	4/06/2025	16/05/2025		<0.8	<10	1332	12	6	3.4	
	5/06/2025	28/05/2025	21/05/2025		<0.8	<10	1299	9	2	12.6	
	8/07/2025	30/06/2025	19/06/2025		<0.8	<10	882	4	4	0.6	
	22/07/2025	14/07/2025	27/06/2025	15:35	<0.8	<10	940	4	3		Controlled discharge
	22/07/2025	14/07/2025	28/06/2025	6:10	<0.8	<10	930	4	<2	-	Controlled discharge
	18/07/2025	14/07/2025	30/06/2025	10:45	<0.8	<10	953	4	3	-	Controlled discharge
	14/07/2025	9/07/2025	2/07/2025	9:40	<0.8	32	892	11	2	58.0	
	30/07/2025	16/07/2025	8/07/2025	13:00	1.9*	<10	878	6	3	8.0	Controlled discharge, ammonia result is considered anomolous due to sampling error - the dam was resampled on 10/7 at 0.8mg/L
	30/07/2025	16/07/2025	9/07/2025	8:30	1.2*	17	1906	6	<2	2.8	Controlled discharge, ammonia result is considered anomolous due to sampling error - the dam was resampled on 10/7 at 0.8mg/L
	30/07/2025	23/07/2025	16/07/2025	13:00	1.5*	12	1420	<1	4	-	Controlled discharge, ammonia result is considered anomolous due to sampling error
	7/08/2025	30/07/2025	21/07/2025	14:41	1.4	52	1756	17	4	0.8	Controlled discharge
	7/08/2025	30/07/2025	24/07/2025	15:00	<0.8	45	1435	10	5	3.2	Controlled discharge
	7/08/2025	31/07/2025	25/07/2025	14:10	<0.8	10	908	5	<2	1.2	Controlled discharge
	20/08/2025	6/08/2025	29/07/2025	13:15	<0.8	56	1431	10	3	1.2	Controlled discharge
	20/08/2025	11/08/2025	1/08/2025	15:00	<0.8	15	1397	10	<2	14.4	Controlled discharge
	20/08/2025	11/08/2025	4/08/2025	8:20	<0.8	43	887	6	<2	55.2	
	20/08/2025	11/08/2025	4/08/2025	15:00	<0.8	70	1286	3	<2	55.2	
	4/09/2025	31/08/2025	18/08/2025	13:00	<0.8	<10	921	4	<2	4.0	Controlled discharge
	4/09/2025	31/08/2025	19/08/2025	10:45	<0.8	35	932	4	<2	10.6	Controlled discharge
	4/09/2025	31/08/2025	22/08/2025	10:00	<0.8	<10	844	6	<2	76.0	
	No. of samples required				Special Frequency 1	Special Frequency 1	Special Frequency 1	Special Frequency 1	Special Frequency 1		
	No. of samples collected and analysed				24	24	24	23	23		
	Min				1.40	9.00	844.00	3.00	2.00		
	Max				1.40	70.00	1906.00	17.00	6.00		
	Average				1.40	33.00	1211.33	7.45	3.57		
S19 Overflow (EPA ID 36)		4/02/2025	31/01/2025		<0.8	<10	2470	14	4	2.8	
	21/02/2025	17/02/2025	11/02/2025		<0.8	11	2070	12	3	30.8	
	13/03/2025	11/03/2025	4/03/2025		<0.8	10	2210	14	4	4.4	
	8/04/2025	7/04/2025	31/03/2025		<0.8	<10	1705	14	3	39.6	
	21/05/2025	5/05/2025	29/04/2025		<0.8	27	1552	15	6	43.6	
	5/06/2025	4/06/2025	16/05/2025		<0.8	<10	1641	6	4	3.4	
	5/06/2025	28/05/2025	21/05/2025		<0.8	21	1447	15	6	12.6	
	14/07/2025	9/07/2025	2/07/2025	10:20	0.9	84	1269	4	3	58.0	
	22/07/2025	15/07/2025	10/07/2025	14:00	0.8	<10	1359	9	10	3.0	
	8/08/2025	23/07/2025	16/07/2025	13:00	1.5	12	1420	<1	4	0.0	
	20/08/2025	11/08/2025	4/08/2025	8:47	<0.8	10	1198	9	<2	55.2	
	4/09/2025	31/08/2025	22/08/2025	12:35	<0.8	34	1059	10	3	76.0	
	No. of samples required				Special Frequency 1	Special Frequency 1	Special Frequency 1	Special Frequency 1	Special Frequency 1		
	No. of samples collected and analysed				12	12	12	12	12		
	Min				0.8	10	1059	4	3		
	Max				1.5	84	2470	15	10		
	Average				1.07	26.13	1616.67	11.09	4.55		

					Ammonia	Total Suspended Solids	Conductivity	Total Organic Carbon	Biological Oxygen Demand	Rainfall over any consecutive 5 day period	Comments
					mg/L	mg/L	µS/cm	mg/L	mg/L	mm	
Pollutant Limit					0.9	50	n/a	n/a	n/a		
Date Monitoring Data Uploaded	Date Monitoring Data Obtained	Monitoring Date	Time								
ADP001 (EPA ID 35)		22/01/2025	21/01/2025		3.8	12	1402	-	-	15.4	
	5/06/2025	4/06/2025	16/05/2025		<0.8	35	2166	15	6	3.4	
	5/06/2025	28/05/2025	21/05/2025		<0.8	252	1064	15	4	12.6	
	14/07/2025	9/07/2025	2/07/2025	10:45	<0.8	1230	759	21	2	58.0	
	7/08/2025	30/07/2025	21/07/2025	15:05	<0.8	<10	1882	10	4	-	Controlled discharge
	8/08/2025	30/07/2025	23/07/2025	15:05	<0.8	<10	1882	10	4	-	
	7/08/2025	30/07/2025	24/07/2025	15:00	<0.8	<10	1857	9	2	-	Controlled discharge
	7/08/2025	31/07/2025	25/07/2025	14:25	0.8	10	1889	9	<2	-	Controlled discharge
	20/08/2025	11/08/2025	4/08/2025	14:50	<0.8	23	1741	9	<2	55.2	Controlled discharge
	20/08/2025	20/08/2025	12/08/2025	8:35	<0.8	<10	1856	9	2	9.6	Controlled discharge
	4/09/2025	31/08/2025	18/08/2025	13:15	<0.8	<10	1805	8	2	4.0	
	No. of samples required				Special Frequency 1	Special Frequency 1	Special Frequency 1	Special Frequency 1	Special Frequency 1		
	No. of samples collected and analysed				11	11	11	11	11		
	Min				0.80	10.00	759.00	8.00	2.00		
	Max				3.80	1230.00	2166.00	21.00	6.00		
	Average				2.30	260.33	1663.91	11.50	3.25		

Comments :

- "Exceedence of a quality limit specified in this licence for the discharge of TSS from EPA identification numbers, Points 13, 15, 34 and 35 is permitted if the discharges occur solely as a result of rainfall at the premises exceeding a total of 48 millimetres over any consecutive five day period"

- Special Frequency 1 as stipulated by EPL 4068 Condition M2.5 means the collection of samples:

a) on the first day of the discharge from Points 13, 15, 34, and 35 and at least once every calendar month during continued discharge events thereafter.

"**" - Result considered anomalous.

"-." - Analysis was missed for this pollutant.

"n/a" - no discharge events for this monitoring point