

Monitoring Point 19 - EPL20814: Monitoring Gantry

Relevant EPL: 20814

Licensee: SRC Operations Pty Ltd

Premises: 123 - 129 Patons Lane Orchard Hills NSW 2748

Monitoring Year		2021														
Monitoring Date		3/02/2021	16/02/2021	9/03/2021	17/03/2021	24/03/2021	7/05/2021	2/07/2021	10/07/2021	24/08/2021	5/10/2021	14/10/2021	8/11/2021	22/11/2021	29/11/2021	10/12/2021
Pollutant	Units	65mm rainfall in preceding 5 days	34.2mm rainfall in preceding 5 days	14.6mm rainfall in preceding 5 days	59.6mm rainfall in preceding 5 days	360.4mm rainfall in preceding 5 days	37.2mm rainfall in preceding 5 days	7.8mm rainfall in preceding 5 days	3.2mm rainfall in preceding 5 days	42.2mm rainfall in 2 days	17mm rainfall in 4 days	29.2mm rainfall in 4 days	50.2mm rainfall in preceding 5 days	28.8mm rainfall in 2 days	81.2mm rainfall in preceding 5 days	74mm rainfall in preceding 5 days
pH	pH	7.79	8.01	7.98	7.99	7.71	7.46	7.45	7.78	8.14	7.97	8.16	8.37	8	7.89	8.03
Total Suspended Solids	mg/L	12	<5	9	<5	110	12	<5	<5	8	<5	<5	19	11	<5	14
Nitrogen (ammonia)	mg/L	0.01	<0.01	<0.01	<0.01	0.06	<0.01	0.02	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.33	0.45
Electrical Conductivity	mS/cm	1120	1130	1,170	1120	572	639	665	668	723	698	748.00	750	729	1,100	1,200
Total Dissolved Solids	mg/L	654	656	697	702	476	356	388	398	406	412	436	414	416	735	763
Dissolved Oxygen	mg/L	5.6	5.95	6.96	7.54	7.14	8.8	7.55	8.25	8.76	6.97	6.98	7.17	7.59	6.51	6.65
Total Organic Carbon	mg/L	4	4	5	5	7	3	3	3	3	3	4	4	4	8	10
Potassium	mg/L	6	6	5	5	4	4	3	4	4	3	4	4	3	7	9

Monitoring Point 19 - EPL20814: Monitoring Gantry

Relevant EPL: 20814

Licensee: SRC Operations Pty Ltd

Premises: 123 - 129 Patons Lane Orchard Hills NSW 2748

Monitoring Year		2022															
Monitoring Date		6/01/2022	14/01/2022	21/01/2022	3/02/2022	22/02/2022	1/03/2022	29/03/2022	4/07/2022	12/07/2022	5/09/2022	23/09/2022	6/10/2022	15/11/2022			
Pollutant	Units	38.6mm rainfall in preceding 3 days	11.6mm rainfall in 2 days	30.2mm rainfall in preceding 5 days	33mm rainfall in 3 days	20.4mm rainfall in preceding 5 days	37.2mm rainfall in preceding 5 days	63.8mm rainfall in preceding 5 days	180mm rainfall in preceding 4 days	13mm rainfall in preceding 5 days	10.2mm rainfall in preceding 5 days	16.6mm rainfall in preceding 5 days	43mm rainfall in preceding 5 days	34.2mm rainfall in preceding 5 days			
pH	pH	8.37	8.35	8.06	8.31	8.5	7.91	8	7.74	8.04	7.96	7.89	7.64	8.32			
Total Suspended Solids	mg/L	12	6	<5	<5	<5	15	43	55	8	<5	<5	32	10			
Nitrogen (ammonia)	mg/L	0.03	0.05	0.16	0.09	0.01	0.08	10.3	0.82	4.42	9.02	5.82	2.74	0.37			
Electrical Conductivity	mS/cm	1220	1130	1430	1370	1340	1130	1150	944	1230	1610	1568.00	1440	1490			
Total Dissolved Solids	mg/L	876	808	868	842	823	834	765	557	806	1,080	1,210	1,030	972			
Dissolved Oxygen	mg/L	6.83	6.74	6.24	6.58	6.98	7.17	8.08	10.03	8.03	8.37	6.88	9.09	8.15			
Total Organic Carbon	mg/L	11	9	10	9	9	9	15	8	12	17	19	10	12			
Potassium	mg/L	8	7	8	8	8	7	10	7	9	11	13	9	11			

Monitoring Point 19 - EPL20814: Monitoring Gantry

Relevant EPL: 20814

Licensee: SRC Operations Pty Ltd

Premises: 123 - 129 Patons Lane Orchard Hills NSW 2748

Monitoring Year		2023													
Monitoring Date		10/05/2023	16/05/2023	30/08/2023	28/12/2023										
Pollutant	Units	4mm rainfall in preceding 5 days	8mm rainfall in preceding 5 days	10mm rainfall in preceding 5 days	12mm rainfall in preceding 5 days										
pH	pH	8.07	8.3	8.02	8.03										
Total Suspended Solids	mg/L	<5	<5	9	20										
Nitrogen (ammonia)	mg/L	0.04	0.04	0.04	0.18										
Electrical Conductivity	mS/cm	1680	1580	1600	2530										
Total Dissolved Solids	mg/L	1210	1040	1110	1680										
Dissolved Oxygen	mg/L	9.37	9.38	8.91	NA										
Total Organic Carbon	mg/L	11	10	12	9										
Potassium	mg/L	9	8	8	12										

Monitoring Point 19 - EPL20814: Monitoring Gantry

Relevant EPL: 20814
 Licensee: SRC Operations Pty Ltd
 Premises: 123 - 129 Patons Lane Orchard Hills NSW 2748

Monitoring Year		2024														
Monitoring Date		5/01/2024	12/01/2024	19/01/2024	25/01/2024	2/02/2024	5/04/2024	5/05/2024	3/06/2024	11/06/2024	2/08/2024	28/08/2024				
Pollutant	Units	8mm in rainfall in preceding 5 days	30 mm rainfall in preceding 5 days	47mm in preceding 5 days	1mm rainfall in preceding 5 days	7mm rainfall in preceding 5 days	116mm rainfall in preceding 5 days	28mm rainfall in preceding 5 days	24mm rainfall in preceding 5 days	21mm rainfall in preceding 5 days	0mm rainfall in preceding 5 days	0mm rainfall in preceding 5 days				
pH	pH	7.81	7.97	7.76	7.65	7.85	7.38	8.24	7.94	6.9	7.9	7.90				
Total Suspended Solids	mg/L	<5	<5	<5	<5	<5	14	<5	<5	<5	8	10				
Nitrogen (ammonia)	mg/L	0.34	0.04	0.01	0.06	0.03	0.02	0.06	2.14	1.8	0.32	0.32				
Electrical Conductivity	mS/cm	2720	2690	2660	2680	2660	1530	768	1220	1300	1720	1690				
Total Dissolved Solids	mg/L	1710	1740	1750	1840	1630	924	428	749	752	923	938				
Dissolved Oxygen	mg/L	6.04	6.61	6.29	7.49	5.73	8.44	8.02	6.91	7.75	7.84	7.00				
Total Organic Carbon	mg/L	8	10	9	9	8	6	4	7	5	7	11				
Potassium	mg/L	11	11	11	10	10	7	4	7	7	10	9				

Monitoring Point 2 - EPL20814 & EPL21259: Weir Monitoring Point

Relevant EPL: 20814

Licensee: SRC Operations Pty Ltd

Premises: 123 - 129 Patons Lane Orchard Hills NSW 2748

Monitoring Year		2021															
Monitoring Date		3/02/2021	16/02/2021	9/03/2021	17/03/2021	24/03/2021	7/05/2021	2/07/2021	10/07/2021	24/08/2021	5/10/2021	14/10/2021	8/11/2021	22/11/2021	29/11/2021	10/12/2021	
Pollutant	Units	65mm rainfall in preceding 5 days	34.2mm rainfall in preceding 5 days	14.6mm rainfall in preceding 5 days	59.6mm rainfall in preceding 5 days	360.4mm rainfall in preceding 5 days	37.2mm rainfall in preceding 5 days	7.8mm rainfall in preceding 5 days	3.2mm rainfall in preceding 5 days	42.2mm rainfall in 2 days	17mm rainfall in 4 days	29.2mm rainfall in 4 days	50.2mm rainfall in preceding 5 days	28.8mm rainfall in 2 days	81.2mm rainfall in preceding 5 days	74mm rainfall in preceding 5 days	
pH	pH	7.76	7.99	8.01	7.99	7.72	7.51	7.47	7.77	8.14	7.97	8.15	8.37	8.03	7.9	8.04	
Total Suspended Solids	mg/L	8	<5	18	<5	128	13	<5	6	9	<5	<5	16	8	<5	14	
Nitrogen (ammonia)	mg/L	0.04	<0.01	<0.01	0.07	0.07	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.04	0.37	0.45	
Electrical Conductivity	mS/cm	1130	1130	1,170	1120	568	638	663	668	724	697	755.00	750	733	1,100	1,200	
Total Dissolved Solids	mg/L	660	673	697	672	517	366	369	404	414	426	428	414	410	738	734	
Dissolved Oxygen	mg/L	5.62	6.13	6.57	7	7.07	8.75	7.23	8.35	9.09	6.95	6.80	6.78	7.44	6.76	6.69	
Total Organic Carbon	mg/L	4	4	4	5	7	3	3	3	3	3	3	4	4	8	10	
Potassium	mg/L	5	6	6	5	4	4	3	4	4	4	4	4	3	7	9	

Monitoring Point 2 - EPL20814 & EPL21259: Weir Monitoring Point

Relevant EPL: 20814

Licensee: SRC Operations Pty Ltd

Premises: 123 - 129 Patons Lane Orchard Hills NSW 2748

Monitoring Year		2022															
Monitoring Date		6/01/2022	14/01/2022	21/01/2022	3/02/2022	22/02/2022	1/03/2022	29/03/2022	4/07/2022	12/07/2022	5/09/2022	23/09/2022	6/10/2022	15/11/2022			
Pollutant	Units	38.6mm rainfall in preceding 3 days	11.6mm rainfall in 2 days	30.2mm rainfall in preceding 5 days	33mm rainfall in 3 days	20.4mm rainfall in preceding 5 days	37.2mm rainfall in preceding 5 days	63.8mm rainfall in preceding 5 days	180mm rainfall in preceding 4 days	13mm rainfall in preceding 5 days	10.2mm rainfall in preceding 5 days	16.6mm rainfall in preceding 5 days	43mm rainfall in preceding 5 days	34.2mm rainfall in preceding 5 days			
pH	pH	8.4	8.35	8.08	8.33	8.49	7.9	7.98	7.75	8.06	7.94	8.03	7.64	8.31			
Total Suspended Solids	mg/L	9	6	13	8	13	12	34	58	<5	<5	<5	24	10			
Nitrogen (ammonia)	mg/L	0.03	0.05	0.17	0.06	0.03	0.08	10.3	0.8	4.44	7.28	5.82	2.77	0.38			
Electrical Conductivity	mS/cm	1220	1130	1430	1370	1340	1140	1150	943	1230	1610	1583	1440	1490			
Total Dissolved Solids	mg/L	813	808	852	882	856	804	766	652	924	1,130	1,210	1,010	965			
Dissolved Oxygen	mg/L	7.55	6.74	6.61	6.58	6.87	7.15	8.21	10.49	8.25	8.51	6.38	9.12	8.18			
Total Organic Carbon	mg/L	11	9	10	9	9	8	15	8	12	17	19	10	12			
Potassium	mg/L	8	7	7	8	8	7	10	6	9	12	13	10	10			

Monitoring Point 2 - EPL20814 & EPL21259: Weir Monitoring Point

Relevant EPL: 20814
 Licensee: SRC Operations Pty Ltd
 Premises: 123 - 129 Patons Lane Orchard Hills NSW 2748

Monitoring Year		2023													
Monitoring Date		10/05/2023	16/05/2023	30/08/2023	28/12/2023										
Pollutant	Units	4mm rainfall in preceding 5 days	8mm rainfall in preceding 5 days	10mm rainfall in preceding 5 days	12mm rainfall in preceding 5 days										
pH	pH	8.06	8.29	8.01	8.07										
Total Suspended Solids	mg/L	<5	<5	10	12										
Nitrogen (ammonia)	mg/L	0.22	0.38	0.03	0.05										
Electrical Conductivity	mS/cm	1660	1580	1600	2880										
Total Dissolved Solids	mg/L	1220	1070	1090	1850										
Dissolved Oxygen	mg/L	9.38	9.38	9.12	NA										
Total Organic Carbon	mg/L	11	10	12	10										
Potassium	mg/L	12	8	8	12										

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Monitoring Point 2 - EPL20814 & EPL21259: Weir Monitoring Point

Relevant EPL: 20814
 Licensee: SRC Operations Pty Ltd
 Premises: 123 - 129 Patons Lane Orchard Hills NSW 2748

Monitoring Year		2024													
Monitoring Date		5/01/2024	12/01/2024	19/01/2024	25/01/2024	2/02/2024	5/04/2024	5/05/2024	3/06/2024	11/06/2024	28/08/2024				
Pollutant	Units	8mm rainfall in preceding 5 days	30mm rainfall in preceding 5 days	47mm in preceding 5 days	1mm rainfall in preceding 5 days	7mm rainfall in preceding 5 days	116mm rainfall in preceding 5 days	28mm rainfall in preceding 5 days	24mm rainfall in preceding 5 days	21mm rainfall in preceding 5 days	0mm rainfall in preceding 5 days				
pH	pH	7.8	7.98	7.77	7.7	7.83	7.36	8.22	7.92	6.89	7.89				
Total Suspended Solids	mg/L	<5	<5	<5	<5	<5	12	<5	<5	<5	8				
Nitrogen (ammonia)	mg/L	0.17	0.08	0.02	0.02	0.04	0.04	0.14	2.13	1.74	0.36				
Electrical Conductivity	mS/cm	2740	2680	2650	2700	2640	130	762	238	1300	1700				
Total Dissolved Solids	mg/L	1850	176	1750	1840	1540	904	442	202	778	920				
Dissolved Oxygen	mg/L	6.03	6.4	6.23	7.41	5.84	8.9	8.15	6.89	7.66	7.63				
Total Organic Carbon	mg/L	8	10	9	9	8	6	4	13	5	7				
Potassium	mg/L	11	12	11	11	10	7	4	3	7	10				

Monitoring Point - EPL20814: Dam 2A Discharge Point

Relevant EPL: 20814

Licensee: SRC Operations Pty Ltd

Premises: 123 - 129 Patons Lane Orchard Hills NSW 2748

Monitoring Year		2023													
Monitoring Date		23/02/2023	23/05/2023	24/08/2023	21/11/2023										
Pollutant	Units	13 mm rainfall in preceding 5 days	0mm rainfall in preceding 5 days	0.2mm rainfall in preceding 5 days	6 mm rainfall in preceding 5 days										
pH	pH	8.07	8.49	8.14	8										
Total Suspended Solids	mg/L	<5	10	<5	7										
Nitrogen (ammonia)	mg/L	0.04	0.01	0.01	0.08										
Electrical Conductivity	mS/cm	1800	1530	1690	4490										
Total Dissolved Solids	mg/L	1350	1030	1150	3080										
Dissolved Oxygen	mg/L	5.4	8.63	8.24	6.08										
Total Organic Carbon	mg/L	12	10	13	12										
Potassium	mg/L	10	8	8	11										

Monitoring Point - EPL20814: Dam 2A Discharge Point

Relevant EPL: 20814
 Licensee: SRC Operations Pty Ltd
 Premises: 123 - 129 Patons Lane Orchard Hills NSW 2748

Monitoring Year		2024													
Monitoring Date		28/02/2024	9/05/2024	27/08/2024	7/11/2024										
Pollutant	Units	6.6mm rainfall in preceding 5 days	28mm rainfall in preceding 5 days	0mm rainfall in preceding 5 days	1mm rainfall in preceding 5 days										
pH	pH	7.63	7.84	7.32	7.9										
Total Suspended Solids	mg/L	7	12	18	10										
Nitrogen (ammonia)	mg/L	0.14	0.04	0.35	0.3										
Electrical Conductivity	mS/cm	1560	883	1680	1720										
Total Dissolved Solids	mg/L	1010	520	1050	1060										
Dissolved Oxygen	mg/L	4.56	6.01	7.04	6.74										
Total Organic Carbon	mg/L	8	5	8	22										
Potassium	mg/L	8	5	10	8										

Monitoring Point 3 - EPL20814: Dam 3 Discharge Point

Relevant EPL: 20814

Licensee: SRC Operations Pty Ltd

Premises: 123 - 129 Patons Lane Orchard Hills NSW 2748

Monitoring Year		2021														
Monitoring Date		16/02/2021	9/03/2021	17/03/2021	24/03/2021	7/05/2021	2/07/2021	10/07/2021	24/08/2021	14/09/2021	5/10/2021	14/10/2021	8/11/2021	22/11/2021	29/11/2021	10/12/2021
Pollutant	Units	65mm rainfall in preceding 5 days	34.2mm rainfall in preceding 5 days	14.6mm rainfall in preceding 5 days	59.6mm rainfall in preceding 5 days	360.4mm rainfall in preceding 5 days	37.2mm rainfall in preceding 5 days	7.8mm rainfall in preceding 5 days	3.2mm rainfall in preceding 5 days	42.2mm rainfall in 2 days	17mm rainfall in 4 days	29.2mm rainfall in 4 days	50.2mm rainfall in preceding 5 days	28.8mm rainfall in 2 days	81.2mm rainfall in preceding 5 days	74mm rainfall in preceding 5 days
pH	pH	7.4	7.35	7.23	7.52	7.7	7.7	8.11	8.32	7.79	8.01	7.98	8.14	7.73	7.73	7.82
Total Suspended Solids	mg/L	41	33	19	467	88	<5	<5	48	9	30	<5	18	42	197	336
Nitrogen (ammonia)	mg/L	0.02	0.02	0.02	0.02	0.02	0.02	0.06	<0.01	0.02	<0.01	<0.01	<0.01	0.04	0.06	0.08
Electrical Conductivity	mS/cm	828	895	872	266	361	495	508	635	639	672	762.00	794	733	593	522
Total Dissolved Solids	mg/L	470	482	508	1430	836	276	263	348	366	402	448	446	506	667	703
Dissolved Oxygen	mg/L	6.65	5.81	7.47	7.74	7.65	7.72	9.02	9.37	7.78	6.66	6.40	6.47	7.14	5.73	5.75
Total Organic Carbon	mg/L	2	4	3	<1	<1	1	1	2	2	3	6	3	4	4	3
Potassium	mg/L	2	2	2	1	1	<1	1	2	1	1	2	2	2	2	2

Monitoring Point 3 - EPL20814: Dam 3 Discharge Point

Relevant EPL: 20814

Licensee: SRC Operations Pty Ltd

Premises: 123 - 129 Patons Lane Orchard Hills NSW 2748

Monitoring Year		2022													
Monitoring Date		6/01/2022	14/01/2022	21/01/2022	3/02/2022	22/03/2022	1/03/2022	29/03/2022	4/07/2022	5/09/2022	23/09/2022				
Pollutant	Units	38.6mm rainfall in preceding 3 days	11.6mm rainfall in 2 days	30.2mm rainfall in preceding 5 days	33mm rainfall in 3 days	20.4mm rainfall in preceding 5 days	37.2mm rainfall in preceding 5 days	63.8mm rainfall in preceding 5 days	180mm rainfall in preceding 4 days	10.2mm rainfall in preceding 5 days	16.6mm rainfall in preceding 5 days				
pH	pH	7.41	7.81	7.29	7.44	8.01	7.61	7.8	7.7	7.48	8.05				
Total Suspended Solids	mg/L	45	16	12	102	23	106	159	492	9	19				
Nitrogen (ammonia)	mg/L	0.02	0.01	0.04	0.05	0.03	0.12	0.01	0.02	0.02	<0.01				
Electrical Conductivity	mS/cm	637	587	609	619	626	498	231	188	440	464.1				
Total Dissolved Solids	mg/L	376	374	364	412	384	472	1010	358	435	347				
Dissolved Oxygen	mg/L	6.51	7.12	6.81	6.86	7.25	5.46	6.07	8.85	7.95	7.31				
Total Organic Carbon	mg/L	3	3	3	4	3	7	3	3	3	4				
Potassium	mg/L	2	2	2	2	2	2	1	<1	1	1				

Monitoring Point 3 - EPL20814: Dam 3 Discharge Point

Relevant EPL: 20814

Licensee: SRC Operations Pty Ltd

Premises: 123 - 129 Patons Lane Orchard Hills NSW 2748

Monitoring Year		2023													
Monitoring Date		23/02/2023	23/05/2023	24/08/2023	21/11/2023										
Pollutant	Units	13 mm rainfall in preceding 5 days	0mm rainfall in preceding 5 days	0.2mm rainfall in preceding 5 days	6 mm rainfall in preceding 5 days										
pH	pH	8.75	8.45	8.98	7.6										
Total Suspended Solids	mg/L	<5	<5	<5	18										
Nitrogen (ammonia)	mg/L	0.13	0.02	0.01	0.02										
Electrical Conductivity	mS/cm	1880	1930	2290	3900										
Total Dissolved Solids	mg/L	1180	1160	1470	2810										
Dissolved Oxygen	mg/L	5.64	8.26	8.2	3.37										
Total Organic Carbon	mg/L	8	7	9	15										
Potassium	mg/L	5	3	2	5										

Monitoring Point 3 - EPL20814: Dam 3 Discharge Point

Relevant EPL: 20814
 Licensee: SRC Operations Pty Ltd
 Premises: 123 - 129 Patons Lane Orchard Hills NSW 2748

Monitoring Year		2024													
Monitoring Date		28/02/2024	9/05/2024	3/06/2024	11/06/2024	27/08/2024	7/11/2024								
Pollutant	Units	6.6mm rainfall in preceding 5 days	28mm rainfall in preceding 5 days	24mm rainfall in preceding 5 days	21mm rainfall in preceding 5 days	0mm rainfall in preceding 5 days	1mm rainfall in preceding 5 days								
pH	pH	7.67	7.95	7.87	7.79	7.41	7.9								
Total Suspended Solids	mg/L	<5	<5	<5	8	<5	<5								
Nitrogen (ammonia)	mg/L	0.04	0.03	0.03	<0.01	<0.01	0.03								
Electrical Conductivity	mS/cm	2820	1130	1070	1050	1250	1470								
Total Dissolved Solids	mg/L	1790	604	610	572	688	888								
Dissolved Oxygen	mg/L	3.62	6.75	5.92	6.54	5.84	6.56								
Total Organic Carbon	mg/L	14	7	7	7	8	8								
Potassium	mg/L	4	3	3	3	3	2								

Monitoring Point - EPL20814: Dam 4 Discharge Point

Relevant EPL: 20814

Licensee: SRC Operations Pty Ltd

Premises: 123 - 129 Patons Lane Orchard Hills NSW 2748

Monitoring Year		2023													
Monitoring Date		23/02/2023	23/05/2023	24/08/2023	21/11/2023										
Pollutant	Units	13 mm rainfall in preceding 5 days	0mm rainfall preceding 5 days	0.2mm rainfall preceding 5 days	6 mm rainfall in preceding 5 days										
pH	pH	7.92	8.2	8.18	7.74										
Total Suspended Solids	mg/L	5	<5	<5	9										
Nitrogen (ammonia)	mg/L	0.1	0.04	0.06	0.06										
Electrical Conductivity	mS/cm	1560	1580	1670	1750										
Total Dissolved Solids	mg/L	1120	976	1150	1380										
Dissolved Oxygen	mg/L	5.54	8.26	8.62	5.8										
Total Organic Carbon	mg/L	12	11	11	11										
Potassium	mg/L	10	10	10	10										

Monitoring Point 3 - EPL20814: Dam 4 Discharge Point

Relevant EPL: 20814

Licensee: SRC Operations Pty Ltd

Premises: 123 - 129 Patons Lane Orchard Hills NSW 2748

Monitoring Year		2024													
Monitoring Date		28/02/2024	9/05/2024	27/08/2024	7/11/2024										
Pollutant	Units	6.6mm rainfall in preceding 5 days	28mm rainfall in preceding 5 days	0mm rainfall in the preceding 5 days	1mm rainfall in preceding 5 days										
pH	pH	7.78	7.54	7.76	8.71										
Total Suspended Solids	mg/L	<5	5	23	<5										
Nitrogen (ammonia)	mg/L	0.05	0.46	0.44	0.04										
Electrical Conductivity	mS/cm	1490	966	1670	1720										
Total Dissolved Solids	mg/L	981	586	1020	1060										
Dissolved Oxygen	mg/L	5.28	5.27	6.73	8.04										
Total Organic Carbon	mg/L	7	5	8	12										
Potassium	mg/L	8	5	10	9										

Monitoring Point - EPL20814: Dam 5 Discharge Point

Relevant EPL: 20814

Licensee: SRC Operations Pty Ltd

Premises: 123 - 129 Patons Lane Orchard Hills NSW 2748

Monitoring Year		2023													
Monitoring Date		23/02/2023	23/05/2023	24/08/2023	21/11/2023										
Pollutant	Units	13mm rainfall in preceding 5 days	0mm rainfall in preceding 5 days	0.2mm rainfall in preceding 5 days	6 mm rainfall in preceding 5 days										
pH	pH	8.08	8.19	8.04	8.8										
Total Suspended Solids	mg/L	<5	<5	<5	<5										
Nitrogen (ammonia)	mg/L	0.26	0.14	0.54	0.04										
Electrical Conductivity	mS/cm	1920	1660	1820	1620										
Total Dissolved Solids	mg/L	1010	994	1230	1200										
Dissolved Oxygen	mg/L	6.22	7.13	8.32	7.09										
Total Organic Carbon	mg/L	10	7	9	10										
Potassium	mg/L	9	8	10	8										

Monitoring Point 3 - EPL20814: Dam 5 Discharge Point

Relevant EPL: 20814

Licensee: SRC Operations Pty Ltd

Premises: 123 - 129 Patons Lane Orchard Hills NSW 2748

Monitoring Year		2024													
Monitoring Date		28/02/2024	9/05/2024	27/08/2024	7/11/2024										
Pollutant	Units	6.6mm rainfall in preceding 5 days	28mm rainfall in preceding 5 days	0mm rainfall in the preceding 5 days	1mm rainfall in preceding 5 days										
pH	pH	8.66	7.79	8.04	8.5										
Total Suspended Solids	mg/L	<5	<5	21	<5										
Nitrogen (ammonia)	mg/L	0.06	13.2*	0.45	0.07										
Electrical Conductivity	mS/cm	1320	1630	1780	2640										
Total Dissolved Solids	mg/L	811	966	1190	1490										
Dissolved Oxygen	mg/L	6.11	4.97	7.7	7.7										
Total Organic Carbon	mg/L	7	14	9	8										
Potassium	mg/L	8	11	10	10										

* Investigated

Monitoring Point 1 - EPL20814: Dam 6 Discharge Point

Relevant EPL: 20814

Licensee: SRC Operations Pty Ltd

Premises: 123 - 129 Patons Lane Orchard Hills NSW 2748

Monitoring Year		2021													
Monitoring Date		17/03/2021	24/03/2021	24/08/2021	14/09/2021	5/10/2021	14/10/2021	8/11/2021	21/11/2021	29/11/2021	10/12/2021				
Pollutant	Units	59.6mm rainfall in preceding 5 days	360.4mm rainfall in preceding 5 days	42.2mm rainfall in 2 days	3mm rainfall in preceding 5 days	17mm rainfall in 4 days	10.4mm rainfall in preceding 5 days	50.2mm rainfall in preceding 5 days	28.8mm rainfall in 2 days	81.2mm rainfall in preceding 5 days	74mm rainfall in preceding 5 days				
pH	pH	8.02	7.53	7.99	7.94	7.79	7.7	8.27	8.03	8.72	8.22				
Total Suspended Solids	mg/L	9	27	37	7	5	<5	7	11	13	32				
Nitrogen (ammonia)	mg/L	0.04	0.16	0.06	0.04	0.03	0.03	0.02	0.04	0.04	0.1				
Electrical Conductivity	mS/cm	1130	411	1440	1360	1360	1380	1390	1,250	1,080	896				
Total Dissolved Solids	mg/L	734	724	1040	960	957	940	948	959	766	620				
Dissolved Oxygen	mg/L	6.47	4.06	7.56	7.67	7.05	7.24	7.07	7.27	8.85	6.95				
Total Organic Carbon	mg/L	8	15	11	10	9	10	11	10	10	11				
Potassium	mg/L	11	11	13	12	11	11	13	10	11	8				

Monitoring Point 1 - EPL20814: Dam 6 Discharge Point

Relevant EPL: 20814

Licensee: SRC Operations Pty Ltd

Premises: 123 - 129 Patons Lane Orchard Hills NSW 2748

Monitoring Year		2022															
Monitoring Date		6/01/2022	14/01/2022	21/01/2022	3/02/2022	22/02/2022	1/03/2022	29/03/2022	4/07/2022	5/09/2022	23/09/2022	6/10/2022	15/11/2022				
Pollutant	Units	38.6mm rainfall in preceding 3 days	11.6mm rainfall in 2 days	30.2mm rainfall in preceding 5 days	33mm rainfall in 3 days	20.4mm rainfall in preceding 5 days	37.2mm rainfall in preceding 5 days	63.8mm rainfall in preceding 5 days	180mm rainfall in preceding 4 days	10.2mm rainfall in preceding 5 days	16.6mm rainfall in preceding 5 days	43mm rainfall in preceding 5 days	34.2mm rainfall in preceding 5 days				
pH	pH	8.39	8.42	7.74	7.44	8.4	7.86	7.9	7.84	8.43	8.05	7.2	7.73				
Total Suspended Solids	mg/L	26	<5	<5	102	8	18	38	98	<5	15	23	13				
Nitrogen (ammonia)	mg/L	0.03	0.02	0.07	0.05	0.11	0.07	0.06	0.02	0.01	0.03	0.03	<0.01				
Electrical Conductivity	mS/cm	1010	978	1040	619	1310	1050	898	423.00	861	802	912	858.00				
Total Dissolved Solids	mg/L	697	720	692	412	938	742	684	388	554	574	626	502				
Dissolved Oxygen	mg/L	7.44	6.93	5.83	6.86	7.28	5.63	6.15	8.46	9.25	4.89	6.47	7.46				
Total Organic Carbon	mg/L	10	10	10	4	14	23	13	6	9	12	8	9				
Potassium	mg/L	8	8	8	2	14	9	9	3	5	6	5	6				

Monitoring Point 1 - EPL20814: Dam 6 Discharge Point

Relevant EPL: 20814

Licensee: SRC Operations Pty Ltd

Premises: 123 - 129 Patons Lane Orchard Hills NSW 2748

Monitoring Year		2023													
Monitoring Date		23/02/2023	23/05/2023	24/08/2023	21/11/2023										
Pollutant	Units	13 mm rainfall in preceding 5 days	0mm rainfall in preceding 5 days	0.2mm rainfall in preceding 5 days	6 mm rainfall in preceding 5 days										
pH	pH	8.15	8.42	8.49	7.89										
Total Suspended Solids	mg/L	8	6	<5	34										
Nitrogen (ammonia)	mg/L	0.11	0.02	0.3	0.01										
Electrical Conductivity	mS/cm	1120	1480	1530	1640										
Total Dissolved Solids	mg/L	1260	892	976	1140										
Dissolved Oxygen	mg/L	5.54	7.93	9.05	5.22										
Total Organic Carbon	mg/L	9	9	8	10										
Potassium	mg/L	7	7	7	11										

Monitoring Point 1 - EPL20814: Dam 6 Discharge Point

Relevant EPL: 20814

Licensee: SRC Operations Pty Ltd

Premises: 123 - 129 Patons Lane Orchard Hills NSW 2748

Monitoring Year		2024													
Monitoring Date		28/02/2024	9/05/2024	5/04/2024	9/05/2024	3/06/2024	11/06/2024	27/08/2024	7/11/2024						
Pollutant	Units	6.6mm rainfall in preceding 5 days	28mm rainfall in preceding 5 days	116mm rainfall in preceding 5 days	28mm rainfall in preceding 5 days	24mm rainfall in preceding 5 days	21mm rainfall in preceding 5 days	0mm rainfall in the preceding 5 days	1mm rainfall in preceding 5 days						
pH	pH	8.62	8.15	8.23	8.15	7.92	7.75	8.12	8.11						
Total Suspended Solids	mg/L	9	44	36	44	12	22	<5	<5						
Nitrogen (ammonia)	mg/L	0.02	0.06	0.12	0.06	<0.01	0.02	0.04	0.04						
Electrical Conductivity	mS/cm	1100	559	1520	559	811	892	1920	2,900						
Total Dissolved Solids	mg/L	656	371	924	371	522	544	1120	1570						
Dissolved Oxygen	mg/L	6.21	7.88	8.49	7.88	7.21	7.72	8.77	6.23						
Total Organic Carbon	mg/L	10	6	7	6	6	6	7	6						
Potassium	mg/L	9	5	8	5	6	6	14	21						