

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									
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	Not Available										
pH	pH	8.37	8.35	8.06	8.31	8.5	7.91	8									
Total Suspended Solids	mg/L	12	6	<5	<5	<5	15	43									
Nitrogen (ammonia)	mg/L	0.03	0.05	0.16	0.09	0.01	0.08	10.3									
Electrical Conductivity	mS/cm	1220	1130	1430	1370	1340	1130	1150									
Total Dissolved Solids	mg/L	876	808	868	842	823	834	765									
Dissolved Oxygen	mg/L	6.83	6.74	6.24	6.58	6.98	7.17	8.08									
Total Organic Carbon	mg/L	11	9	10	9	9	9	15									
Potassium	mg/L	8	7	8	8	8	7	10									

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	12/10/2021	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

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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										
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	Not Available										
pH	pH	7.41	7.81	7.29	7.44	8.01	7.61	7.8										
Total Suspended Solids	mg/L	45	16	12	102	23	106	159										
Nitrogen (ammonia)	mg/L	0.02	0.01	0.04	0.05	0.03	0.12	0.01										
Electrical Conductivity	mS/cm	637	587	609	619	626	498	231										
Total Dissolved Solids	mg/L	376	374	364	412	384	472	1010										
Dissolved Oxygen	mg/L	6.51	7.12	6.81	6.86	7.25	5.46	6.07										
Total Organic Carbon	mg/L	3	3	3	4	3	7	3										
Potassium	mg/L	2	2	2	2	2	2	1										

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									
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	Not Available									
pH	pH	8.4	8.35	8.08	8.33	8.49	7.9	7.98									
Total Suspended Solids	mg/L	9	6	13	8	13	12	34									
Nitrogen (ammonia)	mg/L	0.03	0.05	0.17	0.06	0.03	0.08	10.3									
Electrical Conductivity	mS/cm	1220	1130	1430	1370	1340	1140	1150									
Total Dissolved Solids	mg/L	813	808	852	882	856	804	766									
Dissolved Oxygen	mg/L	7.55	6.74	6.61	6.58	6.87	7.15	8.21									
Total Organic Carbon	mg/L	11	9	10	9	9	8	15									
Potassium	mg/L	8	7	7	8	8	7	10									

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	12/10/2021	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	0.10						
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									
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	Not Available									
pH	pH	8.39	8.42	7.74	7.44	8.4	7.86	7.9									
Total Suspended Solids	mg/L	26	<5	<5	102	8	18	38									
Nitrogen (ammonia)	mg/L	0.03	0.02	0.07	0.05	0.11	0.07	0.06									
Electrical Conductivity	mS/cm	1010	978	1040	619	1310	1050	898									
Total Dissolved Solids	mg/L	697	720	692	412	938	742	684									
Dissolved Oxygen	mg/L	7.44	6.93	5.83	6.86	7.28	5.63	6.15									
Total Organic Carbon	mg/L	10	10	10	4	14	23	13									
Potassium	mg/L	8	8	8	2	14	9	9									