

Pollution Monitoring Data - Holcim Tuncurry Quarry (EPL Number 13359)



Facility Address	Tip Road, Tuncurry NSW 2428
Link to EPL on Public Register	https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=13359&id=13359&option=licence&searchrange=licence&range=POEO%20licence&prp=no&status=Issued
Date Dataset Updated	Monday, April 15, 2024
Date Dataset Published	Monday, April 15, 2024
Reporting Period	May to April (Annually)

Surface Water Quality - Monitoring Results

Surface Water Quality Results - 2024

Location	Frequency	Source	Description	Unit	Q1	Q2	Q3	Q4
					Sample Date	Sample Date	Sample Date	Sample Date
EPA Identification No. 2 (Lake 1)	Quarterly	EPL Section P1.3	Arsenic	mg/L	0.004			
			Conductivity	µS/cm	147			
			Copper	mg/L	0.001			
			Iron	mg/L	0.2			
			pH	pH	7.7			
			Zinc	mg/L	0.005			

Location	Frequency	Source	Description	Unit	Q1	Q2	Q3	Q4
					Sample Date	Sample Date	Sample Date	Sample Date
EPA Identification No. 3 (Lake 2)	Quarterly	EPL Section P1.3	Arsenic	mg/L	0.005			
			Conductivity	µS/cm	191			
			Copper	mg/L	0.001			
			Iron	mg/L	0.14			
			pH	pH	7.5			
			Zinc	mg/L	0.005			

Location	Frequency	Source	Description	Unit	Q1	Q2	Q3	Q4
					Sample Date	Sample Date	Sample Date	Sample Date
EPA Identification No 4 (Lake 3 - within lot 120)	Quarterly	EPL Section P1.3	Arsenic	mg/L	0.005			
			Conductivity	µS/cm	214			
			Copper	mg/L	0.001			
			Iron	mg/L	0.15			
			pH	pH	8.2			
			Zinc	mg/L	0.005			

Location	Frequency	Source	Description	Unit	Q1	Q2	Q3	Q4
					Sample Date	Sample Date	Sample Date	Sample Date
EPA Identification No 5 (Lake 4 - within Lot 79)	Quarterly	EPL Section P1.3	Arsenic	mg/L	0.001			
			Conductivity	µS/cm	363			
			Copper	mg/L	0.001			
			Iron	mg/L	0.32			
			pH	pH	7.6			
			Zinc	mg/L	0.005			

Surface Water Quality Results - 2023

Location	Frequency	Source	Description	Unit	Q1	Q2	Q3	Q4
					Sample Date	Sample Date	Sample Date	Sample Date
					15-Feb-23	9-May-23	13-Sep-23	15-Nov-23
EPA Identification No. 2 (Lake 1)	Quarterly	EPL Section P1.3	Arsenic	mg/L	0.004	0.006	0.004	0.005
			Conductivity	µS/cm	64	95	92	150
			Copper	mg/L	0.001	0.001	0.001	0.001
			Iron	mg/L	0.13	0.91	0.43	0.41
			pH	pH	7.5	7.2	7.9	7.6
			Zinc	mg/L	0.005	0.005	0.005	0.005

Location	Frequency	Source	Description	Unit	Q1	Q2	Q3	Q4
					Sample Date	Sample Date	Sample Date	Sample Date
					15-Feb-23	9-May-23	13-Sep-23	15-Nov-23
EPA Identification No. 3 (Lake 2)	Quarterly	EPL Section P1.3	Arsenic	mg/L	0.003	0.005	0.005	0.006
			Conductivity	µS/cm	98	129	119	194
			Copper	mg/L	0.001	0.001	0.001	0.001
			Iron	mg/L	0.14	1	0.55	0.24
			pH	pH	7.5	7.4	7.9	7
			Zinc	mg/L	0.005	0.005	0.005	0.005

Location	Frequency	Source	Description	Unit	Q1	Q2	Q3	Q4
					Sample Date	Sample Date	Sample Date	Sample Date
					15-Feb-23	9-May-23	13-Sep-23	15-Nov-23
EPA Identification No 4 (Lake 3 - within lot 120)	Quarterly	EPL Section P1.3	Arsenic	mg/L	0.004	0.009	0.005	0.006
			Conductivity	µS/cm	100	138	136	196
			Copper	mg/L	0.001	0.001	0.001	0.003
			Iron	mg/L	0.14	1.7	0.63	0.36
			pH	pH	7.2	7.4	8.4	6.7
			Zinc	mg/L	0.005	0.005	0.005	0.007

Location	Frequency	Source	Description	Unit	Q1	Q2	Q3	Q4
					Sample Date	Sample Date	Sample Date	Sample Date
					15-Feb-23	9-May-23	13-Sep-23	15-Nov-23
EPA Identification No 5 (Lake 4 - within Lot 79)	Quarterly	EPL Section P1.3	Arsenic	mg/L	0.001	0.003	0.002	0.003
			Conductivity	µS/cm	163	219	208	354
			Copper	mg/L	0.001	0.001	0.001	0.001
			Iron	mg/L	0.52	5.2	1.1	0.97
			pH	pH	7.5	7.1	7.8	7.2
			Zinc	mg/L	0.005	0.005	0.007	0.005

Surface Water Quality Results - 2022

Location	Frequency	Source	Description	Unit	Q1	Q2	Q3	Q4
					Sample Date	Sample Date	Sample Date	Sample Date
					8-Feb-22	13-May-22	14-Sep-22	16-Nov-22
EPA Identification No. 2 (Lake 1)	Quarterly	EPL Section P1.3	Arsenic	mg/L	0.005	0.004	0.003	0.01
			Conductivity	µS/cm	138	124	97	93
			Copper	mg/L	0.001	0.001	0.001	0.01
			Iron	mg/L	0.26	0.2	0.34	0.5
			pH	pH	6.5	6.9	7.7	7.1
			Zinc	mg/L	0.005	0.005	0.005	0.05

Location	Frequency	Source	Description	Unit	Q1	Q2	Q3	Q4
					Sample Date	Sample Date	Sample Date	Sample Date
					8-Feb-22	13-May-22	14-Sep-22	16-Nov-22
EPA Identification No. 3 (Lake 2)	Quarterly	EPL Section P1.3	Arsenic	mg/L	0.005	0.003	0.004	0.01
			Conductivity	µS/cm	210	170	138	127
			Copper	mg/L	0.001	0.001	0.001	0.01
			Iron	mg/L	0.37	0.38	0.52	0.5
			pH	pH	7.6	7.1	7.7	7.5
			Zinc	mg/L	0.005	0.005	0.005	0.05

Location	Frequency	Source	Description	Unit	Q1	Q2	Q3	Q4
					Sample Date	Sample Date	Sample Date	Sample Date
					8-Feb-22	13-May-22	14-Sep-22	16-Nov-22
EPA Identification No 4 (Lake 3 - within lot 120)	Quarterly	EPL Section P1.3	Arsenic	mg/L	0.004	0.008	0.009	0.01
			Conductivity	µS/cm	211	164	134	134
			Copper	mg/L	0.001	0.001	0.001	0.01
			Iron	mg/L	0.23	0.31	1.2	0.5
			pH	pH	7.6	7	7.3	7.2
			Zinc	mg/L	0.005	0.005	0.005	0.05

Location	Frequency	Source	Description	Unit	Q1	Q2	Q3	Q4
					Sample Date	Sample Date	Sample Date	Sample Date
					8-Feb-22	13-May-22	14-Sep-22	16-Nov-22
EPA Identification No 5 (Lake 4 - within Lot 79)	Quarterly	EPL Section P1.3	Arsenic	mg/L	0.002	0.002	0.001	0.01
			Conductivity	µS/cm	398	247	250	220
			Copper	mg/L	0.002	0.001	0.001	0.01
			Iron	mg/L	0.9	1.5	1.6	0.83
			pH	pH	7.2	7	7.9	7.4
			Zinc	mg/L	0.005	0.005	0.005	0.05