

Water Monitoring Requirements:

Grab samples are required to be taken every 3/6 months.

Location of Monitoring Points:

Monitoring Point 1: Boreholes labelled on map titled "Location Plan" submitted to the EPA on 14 March 2003.

Summary of Results:

Pollutant	Unit of Measure	100 Percentile Concentration Limit	No. of Samples Required by Licence	No. of Samples Collected & Analysed	Lowest sample value	Highest sample value	Mean of samples	Sample Date												
								10/01/2020	19/02/2020	9/03/2020	8/04/2020	7/05/2020	19/06/2020	10/07/2020	13/08/2020	10/09/2020	15/10/2020	18/11/2020	14/12/2020	
Alkalinity (as CaCO ₃)	mg/L		4	4	155	185	168	185				155			170			160		
Aluminium (Al)	mg/L		2	2	0.05	0.05	0	0.05							0.05					
Arsenic (As)	mg/L		2	2	0.005	0.005	0	0.005							0.005					
Barium (Ba)	mg/L		2	2	0.05	0.1	0	0.1							0.05					
Cadmium (Cd)	mg/L		2	2	0.0005	0.0005	0	0.0005							0.0005					
Chromium (Cr)	mg/L		2	2	0.005	0.005	0	0.005							0.005					
Conductivity	uS/cm		4	4	6620	27100	12498	27100				6620			7880			8390		
Copper (Cu)	mg/L		2	2	0.005	0.005	0	0.005							0.005					
Iron (Fe)	mg/L		2	2	0.005	0.03	0	0.005							0.03					
Lead (Pb)	mg/L		2	2	0.005	0.005	0	0.005							0.005					
Manganese (Mn)	mg/L		4	4	0.02	0.34	0	0.02				0.34			0.08			0.25		
Mercury (Hg)	mg/L		4	4	0.00005	0.00005	0	0.00005				0.00005			0.00005			0.00005		
Nitrate + Nitrite (oxidised Nitrogen)	mg/L		4	4	0.05	0.05	0	0.05				0.05			0.05			0.05		
Nitrogen-Ammonia	mg/L		4	4	0.05	0.2	0	0.2				0.2			0.05			0.05		
Organochlorine Pesticides	ug/L		2	2	0.1	0.1	0	0.1							0.1					
Phenols	mg/L		2	2	0.05	0.05	0	0.05							0.05					
Polycyclic Aromatic Hydrocarbons	ug/L		2	2	2.5	2.5	3	2.5							2.5					
Selenium (Se)	mg/L		2	2	0.005	0.005	0	0.005							0.005					
Total Dissolved Solids	mg/L		4	4	4330	17600	8143	17600				4330			5170			5470		
Total Organic Carbon	mg/L		4	4	9	22	14	9				13			10			22		
Total Petroleum Hydrocarbons	ug/L		2	2	50	50	50	50							50					
Zinc (Zn)	mg/L		2	2	0.005	0.005	0	0.005							0.005					
pH	pH		12	12	6.7	8.6	8	7.7	6.7	8.6	8	8.6	7.6	7.8	7.3	7.4	7.6	7.3	7.4	

Sampling frequency
Every month
Every 3 months
Every 6 months

Water Monitoring Requirements:

Grab samples are required to be taken every 3/6 months.

Location of Monitoring Points:

Monitoring Point 2: Boreholes labelled on map titled "Location Plan" submitted to the EPA on 14 March 2003.

Summary of Results:

Pollutant	Unit of Measure	100 Percentile Concentration Limit	No. of Samples Required by Licence	No. of Samples Collected & Analysed	Lowest sample value	Highest sample value	Mean of samples	Sample Date												
								10/01/2020	19/02/2020	9/03/2020	8/04/2020	7/05/2020	19/06/2020	10/07/2020	13/08/2020	10/09/2020	15/10/2020	18/11/2020	14/12/2020	
Alkalinity (as CaCO ₃)	mg/L		4	4	150	185	169	185				150			170			170		
Aluminium (Al)	mg/L		2	2	0.05	0.05	0	0.05							0.05					
Arsenic (As)	mg/L		2	2	0.005	0.005	0	0.005							0.005					
Barium (Ba)	mg/L		2	2	0.05	0.1	0	0.1							0.05					
Cadmium (Cd)	mg/L		2	2	0.0005	0.0005	0	0.0005							0.0005					
Chromium (Cr)	mg/L		2	2	0.005	0.005	0	0.005							0.005					
Conductivity	uS/cm		4	4	6670	26300	12265	26300				6670			8010			8080		
Copper (Cu)	mg/L		2	2	0.005	0.005	0	0.005							0.005					
Iron (Fe)	mg/L		2	2	0.02	0.03	0	0.03							0.02					
Lead (Pb)	mg/L		2	2	0.005	0.005	0	0.005							0.005					
Manganese (Mn)	mg/L		4	4	0.005	0.33	0	0.005				0.33			0.07			0.29		
Mercury (Hg)	mg/L		4	4	0.00005	0.00005	0	0.00005				0.00005			0.00005			0.00005		
Nitrate + Nitrite (oxidised Nitrogen)	mg/L		4	4	0.05	0.17	0	0.05				0.17			0.05			0.05		
Nitrogen-Ammonia	mg/L		4	4	0.05	0.3	0	0.05				0.3			0.05			0.05		
Organochlorine Pesticides	ug/L		2	2	0.1	0.1	0	0.1							0.1					
Phenols	mg/L		2	2	0.05	0.05	0	0.05							0.05					
Polycyclic Aromatic Hydrocarbons	ug/L		2	2	2.5	2.5	3	2.5							2.5					
Selenium (Se)	mg/L		2	2	0.005	0.005	0	0.005							0.005					
Total Dissolved Solids	mg/L		4	4	4350	17200	8020	17200				4350			5250			5280		
Total Organic Carbon	mg/L		4	4	11	30	16	11				12			11			30		
Total Petroleum Hydrocarbons	ug/L		2	2	50	50	50	50							50					
Zinc (Zn)	mg/L		2	2	0.005	0.01	0	0.01							0.005					
pH	pH		12	12	6.8	8.7	8	7.9	6.8	8.2	7.8	8.7	7.7	8	7.5	7.6	7.8	7.2	7.2	

Sampling frequency
Every month
Every 3 months
Every 6 months

Water Monitoring Requirements:

Grab samples are required to be taken every 3/6 months.

Location of Monitoring Points:

Monitoring Point 3: Boreholes labelled on map titled "Location Plan" submitted to the EPA on 14 March 2003.

Summary of Results:

Pollutant	Unit of Measure	100 Percentile Concentration Limit	No. of Samples Required by Licence	No. of Samples Collected & Analysed	Lowest sample value	Highest sample value	Mean of samples	Sample Date												
								10/01/2020	19/02/2020	9/03/2020	8/04/2020	7/05/2020	19/06/2020	10/07/2020	13/08/2020	10/09/2020	15/10/2020	18/11/2020	14/12/2020	
Alkalinity (as CaCO ₃)	mg/L		4	4	24	52	39	52				24			36			42		
Aluminium (Al)	mg/L		2	2	0.05	0.05	0	0.05							0.05					
Arsenic (As)	mg/L		2	2	0.005	0.005	0	0.005							0.005					
Barium (Ba)	mg/L		2	2	0.05	0.05	0	0.05							0.05					
Cadmium (Cd)	mg/L		2	2	0.0005	0.0005	0	0.0005							0.0005					
Chromium (Cr)	mg/L		2	2	0.005	0.005	0	0.005							0.005					
Conductivity	uS/cm		4	4	6550	25100	11760	25100				8020			6550			7370		
Copper (Cu)	mg/L		2	2	0.005	0.005	0	0.005							0.005					
Iron (Fe)	mg/L		2	2	0.15	5.1	3	5.1							0.15					
Lead (Pb)	mg/L		2	2	0.005	0.005	0	0.005							0.005					
Manganese (Mn)	mg/L		4	4	0.16	0.23	0	0.2				0.23			0.16			0.19		
Mercury (Hg)	mg/L		4	4	0.00005	0.00005	0	0.00005				0.00005			0.00005			0.00005		
Nitrate + Nitrite (oxidised Nitrogen)	mg/L		4	4	0.05	0.05	0	0.05				0.05			0.05			0.05		
Nitrogen-Ammonia	mg/L		4	4	0.05	0.9	0	0.9				0.4			0.05			0.4		
Organochlorine Pesticides	ug/L		2	2	0.1	0.1	0	0.1							0.1					
Phenols	mg/L		2	2	0.05	0.05	0	0.05							0.05					
Polycyclic Aromatic Hydrocarbons	ug/L		2	2	2.5	2.5	3	2.5							2.5					
Selenium (Se)	mg/L		2	2	0.005	0.005	0	0.005							0.005					
Total Dissolved Solids	mg/L		4	4	4260	16400	7680	16400				5250			4260			4810		
Total Organic Carbon	mg/L		4	4	2	10	7	2				8			6			10		
Total Petroleum Hydrocarbons	ug/L		2	2	50	50	50	50							50					
Zinc (Zn)	mg/L		2	2	0.01	0.04	0	0.01							0.04					
pH	pH		12	12	4.2	6.3	6	6.1	4.4	4.2	6	6.2	5.9	6.3	4.3	5.4	6.2	5.8	5.9	

Sampling frequency
Every month
Every 3 months
Every 6 months

Water Monitoring Requirements:

Grab samples are required to be taken every 3/6 months.

Location of Monitoring Points:

Monitoring Point 4: Boreholes labelled on map titled "Location Plan" submitted to the EPA on 14 March 2003.

Summary of Results:

Pollutant	Unit of Measure	100 Percentile Concentration Limit	No. of Samples Required by Licence	No. of Samples Collected & Analysed	Lowest sample value	Highest sample value	Mean of samples	Sample Date														
								10/01/2020	19/02/2020	9/03/2020	8/04/2020	7/05/2020	19/06/2020	10/07/2020	13/08/2020	10/09/2020	15/10/2020	18/11/2020	14/12/2020			
Alkalinity (as CaCO ₃)	mg/L		4	4	79	100	90	100				81			100			79				
Aluminium (Al)	mg/L		2	2	0.05	0.05	0	0.05							0.05							
Arsenic (As)	mg/L		2	2	0.005	0.005	0	0.005							0.005							
Barium (Ba)	mg/L		2	2	0.05	0.05	0	0.05							0.05							
Cadmium (Cd)	mg/L		2	2	0.0005	0.0005	0	0.0005							0.0005							
Chromium (Cr)	mg/L		2	2	0.005	0.005	0	0.005							0.005							
Conductivity	uS/cm		4	4	8240	21100	16635	19200				18000			21100			8240				
Copper (Cu)	mg/L		2	2	0.005	0.005	0	0.005							0.005							
Iron (Fe)	mg/L		2	2	0.18	1.2	1	0.18							1.2							
Lead (Pb)	mg/L		2	2	0.005	0.005	0	0.005							0.005							
Manganese (Mn)	mg/L		4	4	0.07	0.32	0	0.23				0.32			0.3			0.07				
Mercury (Hg)	mg/L		4	4	0.00005	0.00005	0	0.00005				0.00005			0.00005			0.00005				
Nitrate + Nitrite (oxidised Nitrogen)	mg/L		4	4	0.05	0.05	0	0.05				0.05			0.05			0.05				
Nitrogen-Ammonia	mg/L		4	4	0.3	2.9	2	2.6				2.9			2.1			0.3				
Organochlorine Pesticides	ug/L		2	2	0.1	0.1	0	0.1							0.1							
Phenols	mg/L		2	2	0.05	0.05	0	0.05							0.05							
Polycyclic Aromatic Hydrocarbons	ug/L		2	2	2.5	2.5	3	2.5							2.5							
Selenium (Se)	mg/L		2	2	0.005	0.005	0	0.005							0.005							
Total Dissolved Solids	mg/L		4	4	5370	13700	10793	12400				11700			13700			5370				
Total Organic Carbon	mg/L		4	4	3	23	10	3				7			7			23				
Total Petroleum Hydrocarbons	ug/L		2	2	50	50	50	50							50							
Zinc (Zn)	mg/L		2	2	0.005	0.02	0	0.02							0.005							
pH	pH		12	12	5.6	6.4	6	6.4	5.6	6.1	6.2	6.3	6.1	6.4	6.1	6.1	6.4	5.9	6			

Sampling frequency
Every month
Every 3 months
Every 6 months

Benedict Industries Pty Limited

Moorebank - 146 Newbridge Road, Moorebank NSW 2170

EPA Licence No: 4612

2020 Annual

Water Monitoring Requirements:

Grab samples are required to be taken every 3/6 months.

Location of Monitoring Points:

Monitoring Point 5: Boreholes labelled on map titled "Location Plan" submitted to the EPA on 14 March 2003.

Summary of Results:

Pollutant	Unit of Measure	100 Percentile Concentration Limit	No. of Samples Required by Licence	No. of Samples Collected & Analysed	Lowest sample value	Highest sample value	Mean of samples	Sample Date											
								10/01/2020	19/02/2020	9/03/2020	8/04/2020	7/05/2020	19/06/2020	10/07/2020	13/08/2020	10/09/2020	15/10/2020	18/11/2020	14/12/2020
Alkalinity (as CaCO ₃)	mg/L		4	4	0.5	5	3	4				0.5					5		
Aluminium (Al)	mg/L		2	2	3.4	5.5	4	5.5				3.4							
Arsenic (As)	mg/L		2	2	0.005	0.005	0	0.005				0.005							
Barium (Ba)	mg/L		2	2	0.05	0.05	0	0.05				0.05							
Cadmium (Cd)	mg/L		2	2	0.0005	0.0005	0	0.0005				0.0005							
Chromium (Cr)	mg/L		2	2	0.005	0.005	0	0.005				0.005							
Conductivity	uS/cm		4	4	3500	11300	8170	3500			10600	11300					7280		
Copper (Cu)	mg/L		2	2	0.005	0.005	0	0.005				0.005							
Iron (Fe)	mg/L		2	2	125	135	130	125				135							
Lead (Pb)	mg/L		2	2	0.005	0.05	0	0.005				0.05							
Manganese (Mn)	mg/L		4	4	3.2	21	13	3.2			21	17					11		
Mercury (Hg)	mg/L		4	4	0.00005	0.00005	0	0.00005			0.00005	0.00005					0.00005		
Nitrate + Nitrite (oxidised Nitrogen)	mg/L		4	4	0.05	0.05	0	0.05			0.05	0.05					0.05		
Nitrogen-Ammonia	mg/L		4	4	1.9	5.7	4	5.7			1.9	2.4					4		
Organochlorine Pesticides	ug/L		2	2	0.1	0.1	0	0.1				0.1							
Phenols	mg/L		2	2	0.05	0.05	0	0.05				0.05							
Polycyclic Aromatic Hydrocarbons	ug/L		2	2	2.5	2.5	3	2.5				2.5							
Selenium (Se)	mg/L		2	2	0.005	0.005	0	0.005				0.005							
Total Dissolved Solids	mg/L		4	4	2280	7410	5345	2280			6940	7410					4750		
Total Organic Carbon	mg/L		4	4	19	29	24	19			29	29					19		
Total Petroleum Hydrocarbons	ug/L		2	2	50	300	175	300				50							
Zinc (Zn)	mg/L		2	2	0.47	1.8	1	0.47				1.8							
pH	pH		12	12	3.3	4.6	4	4.0	3.3	3.8	4.4	3.7	4.2	4.6	4.1	4.2	4.5	3.4	4.3

Sampling frequency

Every month
Every 3 months
Every 6 months

Benedict Industries Pty Limited

Moorebank - 146 Newbridge Road, Moorebank NSW 2170

EPA Licence No: 4612

2020 Annual

Water Monitoring Requirements:

Grab samples are required to be taken every 3/6 months.

Location of Monitoring Points:

Monitoring Point 7: Boreholes labelled on map titled "Location Plan" submitted to the EPA on 14 March 2003.

Summary of Results:

Pollutant	Unit of Measure	100 Percentile Concentration Limit	No. of Samples Required by Licence	No. of Samples Collected & Analysed	Lowest sample value	Highest sample value	Mean of samples	Sample Date														
								10/01/2020	19/02/2020	9/03/2020	8/04/2020	7/05/2020	19/06/2020	10/07/2020	13/08/2020	10/09/2020	15/10/2020	18/11/2020	14/12/2020			
Alkalinity (as CaCO ₃)	mg/L		4	4	150	195	171	195				165			175			150				
Aluminium (Al)	mg/L		2	2	0.05	0.05	0	0.05							0.05							
Arsenic (As)	mg/L		2	2	0.005	0.005	0	0.005							0.005							
Barium (Ba)	mg/L		2	2	0.05	0.1	0	0.1							0.05							
Cadmium (Cd)	mg/L		2	2	0.0005	0.0005	0	0.0005							0.0005							
Chromium (Cr)	mg/L		2	2	0.005	0.005	0	0.005							0.005							
Conductivity	uS/cm		4	4	2300	7530	5905	2300				6470			7320			7530				
Copper (Cu)	mg/L		2	2	0.005	0.005	0	0.005							0.005							
Iron (Fe)	mg/L		2	2	0.05	0.31	0	0.31							0.05							
Lead (Pb)	mg/L		2	2	0.005	0.005	0	0.005							0.005							
Manganese (Mn)	mg/L		4	4	0.04	0.4	0	0.04				0.4			0.11			0.3				
Mercury (Hg)	mg/L		4	4	0.00005	0.00005	0	0.00005				0.00005			0.00005			0.00005				
Nitrate + Nitrite (oxidised Nitrogen)	mg/L		4	4	0.05	0.05	0	0.05				0.05			0.05			0.05				
Nitrogen-Ammonia	mg/L		4	4	0.05	0.4	0	0.3				0.4			0.05			0.2				
Organochlorine Pesticides	ug/L		2	2	0.1	0.1	0	0.1							0.1							
Phenols	mg/L		2	2	0.05	0.05	0	0.05							0.05							
Polycyclic Aromatic Hydrocarbons	ug/L		2	2	2.5	2.5	3	2.5							2.5							
Selenium (Se)	mg/L		2	2	0.005	0.005	0	0.005							0.005							
Total Dissolved Solids	mg/L		4	4	4230	15000	7220					4230			4740			15000				4910
Total Organic Carbon	mg/L		4	4	10	30	16	12				13			10			30				30
Total Petroleum Hydrocarbons	ug/L		2	2	50	50	50	50							50							
Zinc (Zn)	mg/L		2	2	0.005	0.005	0	0.005							0.005							
pH	pH		12	12	6.3	8	7	7.3	6.3	6.7	6.7	8	6.8	7.1	7	7.2	7	7	7	7	7	6.8

Sampling frequency
Every month
Every 3 months
Every 6 months

Water Monitoring Requirements:

Grab samples are required to be taken every 3/6 months.

Location of Monitoring Points:

Monitoring Point 8: Boreholes labelled on map titled "Location Plan" submitted to the EPA on 14 March 2003.

Summary of Results:

Pollutant	Unit of Measure	100 Percentile Concentration Limit	No. of Samples Required by Licence	No. of Samples Collected & Analysed	Lowest sample value	Highest sample value	Mean of samples	Sample Date												
								10/01/2020	19/02/2020	9/03/2020	8/04/2020	7/05/2020	19/06/2020	10/07/2020	13/08/2020	10/09/2020	15/10/2020	18/11/2020	14/12/2020	
Alkalinity (as CaCO ₃)	mg/L		4	4	75	110	85	110				76			77			75		
Aluminium (Al)	mg/L		2	2	0.05	0.05	0	0.05							0.05					
Arsenic (As)	mg/L		2	2	0.005	0.005	0	0.005							0.005					
Barium (Ba)	mg/L		2	2	0.05	0.05	0	0.05							0.05					
Cadmium (Cd)	mg/L		2	2	0.0005	0.0005	0	0.0005							0.0005					
Chromium (Cr)	mg/L		2	2	0.005	0.005	0	0.005							0.005					
Conductivity	uS/cm		4	4	12900	49200	28425	49200				12900			18600			33000		
Copper (Cu)	mg/L		2	2	0.005	0.005	0	0.005							0.005					
Iron (Fe)	mg/L		2	2	0.02	0.05	0	0.05							0.02					
Lead (Pb)	mg/L		2	2	0.005	0.005	0	0.005							0.005					
Manganese (Mn)	mg/L		4	4	0.02	0.13	0	0.05				0.13			0.02			0.03		
Mercury (Hg)	mg/L		4	4	0.00005	0.00005	0	0.00005				0.00005			0.00005			0.00005		
Nitrate + Nitrite (oxidised Nitrogen)	mg/L		4	4	0.1	0.76	0	0.1				0.76			0.2			0.18		
Nitrogen-Ammonia	mg/L		4	4	0.05	0.7	0	0.05				0.7			0.05			0.05		
Organochlorine Pesticides	ug/L		2	2	0.1	0.1	0	0.1							0.1					
Phenols	mg/L		2	2	0.05	0.05	0	0.05							0.05					
Polycyclic Aromatic Hydrocarbons	ug/L		2	2	2.5	2.5	3	2.5							2.5					
Selenium (Se)	mg/L		2	2	0.005	0.005	0	0.005							0.005					
Total Dissolved Solids	mg/L		4	4	3200	21500	11300	3200				8400			12100			21500		
Total Organic Carbon	mg/L		4	4	1	8	4	1				5			2			8		
Total Petroleum Hydrocarbons	ug/L		2	2	50	50	50	50							50					
Zinc (Zn)	mg/L		2	2	0.005	0.01	0	0.01							0.005					
pH	pH		12	12	6.5	7.6	7	7.3	6.5	6.8	6.8	7.6	6.9	7.1	6.9	7.1	7	6.8	6.8	

Sampling frequency
Every month
Every 3 months
Every 6 months

Water Monitoring Requirements:

Grab samples are required to be taken every 3/6 months.

Location of Monitoring Points:

Monitoring Point 9: Boreholes labelled on map titled "Location Plan" submitted to the EPA on 14 March 2003.

Summary of Results:

Pollutant	Unit of Measure	100 Percentile Concentration Limit	No. of Samples Required by Licence	No. of Samples Collected & Analysed	Lowest sample value	Highest sample value	Mean of samples	Sample Date														
								10/01/2020	19/02/2020	9/03/2020	8/04/2020	7/05/2020	19/06/2020	10/07/2020	13/08/2020	10/09/2020	15/10/2020	18/11/2020	14/12/2020			
Alkalinity (as CaCO ₃)	mg/L		4	4	76	110	86	110				77			79			76				
Aluminium (Al)	mg/L		2	2	0.05	0.05	0	0.05							0.05							
Arsenic (As)	mg/L		2	2	0.005	0.005	0	0.005							0.005							
Barium (Ba)	mg/L		2	2	0.05	0.05	0	0.05							0.05							
Cadmium (Cd)	mg/L		2	2	0.0005	0.0005	0	0.0005							0.0005							
Chromium (Cr)	mg/L		2	2	0.005	0.005	0	0.005							0.005							
Conductivity	uS/cm		4	4	14800	47600	30050	47600				14800			22000				35800			
Copper (Cu)	mg/L		2	2	0.005	0.005	0	0.005							0.005							
Iron (Fe)	mg/L		2	2	0.005	0.05	0	0.05							0.005							
Lead (Pb)	mg/L		2	2	0.005	0.005	0	0.005							0.005							
Manganese (Mn)	mg/L		4	4	0.005	0.11	0	0.005				0.11			0.02				0.03			
Mercury (Hg)	mg/L		4	4	0.00004	0.00005	0	0.00005				0.00005			0.00005				0.00004			
Nitrate + Nitrite (oxidised Nitrogen)	mg/L		4	4	0.05	0.75	0	0.05				0.75			0.22				0.17			
Nitrogen-Ammonia	mg/L		4	4	0.05	0.6	0	0.05				0.6			0.05				0.05			
Organochlorine Pesticides	ug/L		2	2	0.1	0.1	0	0.1							0.1							
Phenols	mg/L		2	2	0.05	0.05	0	0.05							0.05							
Polycyclic Aromatic Hydrocarbons	ug/L		2	2	2.5	2.5	3	2.5							2.5							
Selenium (Se)	mg/L		2	2	0.005	0.005	0	0.005							0.005							
Total Dissolved Solids	mg/L		4	4	9640	31000	19560	31000				9640			14300				23300			
Total Organic Carbon	mg/L		4	4	0.5	14	5	0.5				3			2				14			
Total Petroleum Hydrocarbons	ug/L		2	2	50	50	50	50							50							
Zinc (Zn)	mg/L		2	2	0.005	0.02	0	0.02							0.005							
pH	pH		12	12	6.6	7.4	7	7.4	6.6	6.8	6.8	7.4	6.9	7.2	6.8	6.9	7.1	6.7	6.9			

Sampling frequency

Every month
Every 3 months
Every 6 months

Benedict Industries Pty Limited

Moorebank - 146 Newbridge Road, Moorebank NSW 2170

EPA Licence No: 4612

2020 Annual

Water Monitoring Requirements:

Grab samples are required to be taken every 3/6 months.

Location of Monitoring Points:

Monitoring Point 10: Boreholes labelled on map titled "Location Plan" submitted to the EPA on 14 March 2003.

Summary of Results:

Pollutant	Unit of Measure	100 Percentile Concentration Limit	No. of Samples Required by Licence	No. of Samples Collected & Analysed	Lowest sample value	Highest sample value	Mean of samples	Sample Date											
								10/01/2020	19/02/2020	9/03/2020	8/04/2020	7/05/2020	19/06/2020	10/07/2020	13/08/2020	10/09/2020	15/10/2020	18/11/2020	14/12/2020
Alkalinity (as CaCO ₃)	mg/L	No limits apply - sampling for monitoring purposes only	4	4	140	200	174	140				200			185			170	
Aluminium (Al)	mg/L		2	2	0.05	0.05	0	0.05							0.05				
Arsenic (As)	mg/L		2	2	0.005	0.005	0	0.005							0.005				
Barium (Ba)	mg/L		2	2	0.05	0.05	0	0.05							0.05				
Cadmium (Cd)	mg/L		2	2	0.0005	0.0005	0	0.0005							0.0005				
Chromium (Cr)	mg/L		2	2	0.005	0.005	0	0.005							0.005				
Conductivity	uS/cm		4	4	650	1360	1103	650				1170			1360			1230	
Copper (Cu)	mg/L		2	2	0.005	0.005	0	0.005							0.005				
Iron (Fe)	mg/L		2	2	0.02	1.3	1	1.3							0.02				
Lead (Pb)	mg/L		2	2	0.005	0.005	0	0.005							0.005				
Manganese (Mn)	mg/L		4	4	0.01	0.15	0	0.01			0.15				0.03			0.06	
Mercury (Hg)	mg/L		4	4	0.00005	0.00005	0	0.00005			0.00005				0.00005			0.00005	
Nitrate + Nitrite (oxidised Nitrogen)	mg/L		4	4	0.05	0.95	0	0.05			0.24				0.95			0.29	
Nitrogen-Ammonia	mg/L		4	4	0.05	8.5	2	0.05			8.5				0.4			0.2	
Organochlorine Pesticides	ug/L		2	2	0.1	0.1	0	0.1							0.1				
Phenols	mg/L		2	2	0.05	0.05	0	0.05							0.05				
Polycyclic Aromatic Hydrocarbons	ug/L		2	2	2.5	2.5	3	2.5							2.5				
Selenium (Se)	mg/L		2	2	0.005	0.005	0	0.005							0.005				
Total Dissolved Solids	mg/L		4	4	420	890	720	420			770				890			800	
Total Organic Carbon	mg/L		4	4	10	38	22	22			38				10			17	
Total Petroleum Hydrocarbons	ug/L	2	2	50	15570	7810	15570							50					
Zinc (Zn)	mg/L	2	2	0.005	0.03	0	0.03							0.005					
pH			12	12	6.7	7.7	7	7.3	6.7	7	7.5	7.3	7.2	7.6	7.1	7.1	7.7	7.5	7.1

Sampling frequency
Every month
Every 3 months
Every 6 months