

**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														
								13/01/2017	13/02/2017	10/03/2017	10/04/2017	12/05/2017	26/06/2017	20/07/2017	31/08/2017	7/09/2017	9/10/2017	6/11/2017	18/12/2017			
Alkalinity (as CaCO <sub>3</sub> )	mg/L	No limits apply - sampling for monitoring purposes only	4	4	190	270	224	235				190				270			200			
Aluminium (Al)	mg/L		2	2	0.05	0.1	0	0.1									0.05					
Arsenic (As)	mg/L		2	2	0.005	0.01	0	0.01									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	0.01	0	0.01									0.0005					
Chromium (Cr)	mg/L		2	2	0.005	0.01	0	0.01									0.005					
Conductivity	uS/cm		4	4	13200	20200	16400	20200				14500				13200				17700		
Copper (Cu)	mg/L		2	2	0.005	0.01	0	0.01									0.005					
Iron (Fe)	mg/L		2	2	0.04	0.08	0	0.08									0.04					
Lead (Pb)	mg/L		2	2	0.005	0.01	0	0.01									0.005					
Manganese (Mn)	mg/L		4	4	0.01	0.12	0	0.01				0.07					0.07			0.12		
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	0.19	0	0.1				0.1					0.1			0.19		
Nitrogen-Ammonia	mg/L		4	4	0.1	0.2	0	0.1				0.1					0.2			0.2		
Organochlorine Pesticides	ug/L		2	2	0.1	0.2	0	0.2									0.1					
Phenols	mg/L		2	2	0.05	0.1	0	0.1									0.05					
Polycyclic Aromatic Hydrocarbons	ug/L		2	2	2.5	5	4	5									2.5					
Selenium (Se)	mg/L		2	2	0.005	0.01	0	0.01									0.005					
Total Dissolved Solids	mg/L		4	4	8660	13100	10713	13100				9490					8660			11600		
Total Organic Carbon	mg/L		4	4	1	15	10	1				11					11			15		
Total Petroleum Hydrocarbons	ug/L		2	2	50	100	75	100									50					
Zinc (Zn)	mg/L		2	2	0.005	0.06	0	0.06									0.005					
pH	pH			12	12	7.4	8.1	8	7.8	8.1	7.4	7.8	7.7	7.7	7.7	7.7	8	7.7	8	7.5	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 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												
								13/01/2017	13/02/2017	10/03/2017	10/04/2017	12/05/2017	26/06/2017	20/07/2017	31/08/2017	7/09/2017	9/10/2017	6/11/2017	18/12/2017	
Alkalinity (as CaCO <sub>3</sub> )	mg/L	No limits apply - sampling for monitoring purposes only	4	4	190	265	223	190				215			220			265		
Aluminium (Al)	mg/L		2	2	0.05	0.1	0	0.1							0.05					
Arsenic (As)	mg/L		2	2	0.005	0.01	0	0.01							0.005					
Barium (Ba)	mg/L		2	2	0.1	0.1	0	0.1							0.1					
Cadmium (Cd)	mg/L		2	2	0.0005	0.01	0	0.01							0.0005					
Chromium (Cr)	mg/L		2	2	0.005	0.01	0	0.01							0.005					
Conductivity	uS/cm		4	4	13100	20200	16275	20200				13100			14000				17800	
Copper (Cu)	mg/L		2	2	0.005	0.01	0	0.01							0.005					
Iron (Fe)	mg/L		2	2	0.04	0.05	0	0.05							0.04					
Lead (Pb)	mg/L		2	2	0.005	0.01	0	0.01							0.005					
Manganese (Mn)	mg/L		4	4	0.01	0.08	0	0.01				0.08			0.07				0.08	
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	0.2	0	0.1				0.1			0.1				0.2	
Nitrogen-Ammonia	mg/L		4	4	0.1	0.3	0	0.1				0.1			0.2				0.3	
Organochlorine Pesticides	ug/L		2	2	0.1	0.2	0	0.2							0.1					
Phenols	mg/L		2	2	0.05	0.1	0	0.1							0.05					
Polycyclic Aromatic Hydrocarbons	ug/L		2	2	2.5	5	4	5							2.5					
Selenium (Se)	mg/L		2	2	0.005	0.01	0	0.01							0.005					
Total Dissolved Solids	mg/L		4	4	8610	13100	10645	13100				8610			9170				11700	
Total Organic Carbon	mg/L		4	4	1	13	9	1				10			11				13	
Total Petroleum Hydrocarbons	ug/L		2	2	50	100	75	100							50					
Zinc (Zn)	mg/L		2	2	0.005	0.04	0	0.04							0.005					
pH	pH			12	12	7.5	8.2	8	8.0	8.2	7.6	8.0	7.7	7.7	7.8	7.8	7.7	7.8	7.5	8.0

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														
								13/01/2017	13/02/2017	10/03/2017	10/04/2017	12/05/2017	26/06/2017	20/07/2017	31/08/2017	7/09/2017	9/10/2017	6/11/2017	18/12/2017			
Alkalinity (as CaCO <sub>3</sub> )	mg/L	No limits apply - sampling for monitoring purposes only	4	4	10	90	52	10				76				32			90			
Aluminium (Al)	mg/L		2	2	0.2	0.4	0	0.2									0.4					
Arsenic (As)	mg/L		2	2	0.005	0.01	0	0.01									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	0.01	0	0.01									0.0005					
Chromium (Cr)	mg/L		2	2	0.005	0.01	0	0.01									0.005					
Conductivity	uS/cm		4	4	8400	17800	13525	8400				13800					17800			14100		
Copper (Cu)	mg/L		2	2	0.005	0.01	0	0.01									0.005					
Iron (Fe)	mg/L		2	2	0.1	2.9	2	0.1									2.9					
Lead (Pb)	mg/L		2	2	0.005	0.01	0	0.01									0.005					
Manganese (Mn)	mg/L		4	4	0.05	0.13	0	0.11				0.08					0.13			0.05		
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	0.1	1.5	1	0.1				0.9					1.5			1.5		
Organochlorine Pesticides	ug/L		2	2	0.1	0.2	0	0.2									0.1					
Phenols	mg/L		2	2	0.05	0.1	0	0.1									0.05					
Polycyclic Aromatic Hydrocarbons	ug/L		2	2	2.5	5	4	5									2.5					
Selenium (Se)	mg/L		2	2	0.005	0.01	0	0.01									0.005					
Total Dissolved Solids	mg/L		4	4	5460	11700	8895	5460				9030					11700			9390		
Total Organic Carbon	mg/L		4	4	5	17	10	5				7					10			17		
Total Petroleum Hydrocarbons	ug/L		2	2	50	100	75	100									50					
Zinc (Zn)	mg/L		2	2	0.04	0.13	0	0.13									0.04					
pH	pH			12	12	4.2	5.9	5	5.1	5.2	4.3	4.7	4.2	4.4	5.5	5.9	5.8	5.9	5.9	5.9	5.7	

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												
								13/01/2017	13/02/2017	10/03/2017	10/04/2017	12/05/2017	26/06/2017	20/07/2017	31/08/2017	7/09/2017	9/10/2017	6/11/2017	18/12/2017	
Alkalinity (as CaCO <sub>3</sub> )	mg/L	No limits apply - sampling for monitoring purposes only	4	4	160	215	190	160				180				205		215		
Aluminium (Al)	mg/L		2	2	0.05	0.1	0	0.1								0.05				
Arsenic (As)	mg/L		2	2	0.005	0.01	0	0.01								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	0.01	0	0.01								0.0005				
Chromium (Cr)	mg/L		2	2	0.005	0.01	0	0.01								0.005				
Conductivity	uS/cm		4	4	13000	16900	15675	16900				13000				16200			16600	
Copper (Cu)	mg/L		2	2	0.005	0.01	0	0.01								0.005				
Iron (Fe)	mg/L		2	2	0.65	0.99	1	0.65								0.99				
Lead (Pb)	mg/L		2	2	0.005	0.01	0	0.01								0.005				
Manganese (Mn)	mg/L		4	4	0.26	0.33	0	0.31				0.26				0.33			0.27	
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	1.7	2.9	2	2.3				1.7				2.9			2.6	
Organochlorine Pesticides	ug/L		2	2	0.1	0.2	0	0.2								0.1				
Phenols	mg/L		2	2	0.05	0.1	0	0.1								0.05				
Polycyclic Aromatic Hydrocarbons	ug/L		2	2	2.5	5	4	5								2.5				
Selenium (Se)	mg/L		2	2	0.005	0.01	0	0.01								0.005				
Total Dissolved Solids	mg/L		4	4	8550	11000	10238	11000				8550				10600			10800	
Total Organic Carbon	mg/L		4	4	1	14	8	1				7				11			14	
Total Petroleum Hydrocarbons	ug/L		2	2	50	100	75	100								50				
Zinc (Zn)	mg/L		2	2	0.01	0.04	0	0.04								0.01				
pH	pH			12	12	6.3	6.6	6	6.3	6.3	6.4	6.5	6.4	6.5	6.6	6.6	6.4	6.5	6.4	6.5

**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 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												
								13/01/2017	13/02/2017	10/03/2017	10/04/2017	12/05/2017	26/06/2017	20/07/2017	31/08/2017	7/09/2017	9/10/2017	6/11/2017	18/12/2017	
Alkalinity (as CaCO <sub>3</sub> )	mg/L	No limits apply - sampling for monitoring purposes only	4	4	0.5	0.5	1	0.5				0.5				0.5				
Aluminium (Al)	mg/L		2	2	7.5	14	11	7.5					14							
Arsenic (As)	mg/L		2	2	0.005	0.01	0	0.01					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	0.01	0	0.01					0.0005							
Chromium (Cr)	mg/L		2	2	0.005	0.01	0	0.01					0.005							
Conductivity	uS/cm		4	4	2510	4220	3175	2510			2590		3380				4220			
Copper (Cu)	mg/L		2	2	0.005	0.01	0	0.01					0.005							
Iron (Fe)	mg/L		2	2	19	61	40	19					61							
Lead (Pb)	mg/L		2	2	0.005	0.01	0	0.01					0.005							
Manganese (Mn)	mg/L		4	4	4	8.1	6	4.9			8.1		8				4			
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	0.95			0.5		0.05				0.05			
Nitrogen-Ammonia	mg/L		4	4	1.6	5.9	4	1.6			2.1		5.9				5.4			
Organochlorine Pesticides	ug/L		2	2	0.1	0.2	0	0.2					0.1							
Phenols	mg/L		2	2	0.05	0.1	0	0.1					0.05							
Polycyclic Aromatic Hydrocarbons	ug/L		2	2	2.5	5	4	5					2.5							
Selenium (Se)	mg/L		2	2	0.005	0.01	0	0.01					0.005							
Total Dissolved Solids	mg/L		4	4	1640	2750	2078	1640			1700		2220				2750			
Total Organic Carbon	mg/L		4	4	11	48	23	11			12		21				48			
Total Petroleum Hydrocarbons	ug/L		2	2	50	100	75	100					50							
Zinc (Zn)	mg/L		2	2	1	1.8	1	1					1.8							
pH	pH			12	12	3	4.6	4	4.1	4.0	3.7	3.8	4.3	4.6	4.4	4.1	3.0	4.4	4.3	3.8

**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 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												
								13/01/2017	13/02/2017	10/03/2017	10/04/2017	12/05/2017	26/06/2017	20/07/2017	31/08/2017	7/09/2017	9/10/2017	6/11/2017	18/12/2017	
Alkalinity (as CaCO <sub>3</sub> )	mg/L	No limits apply - sampling for monitoring purposes only	4	4	185	220	199	185				200			190			220		
Aluminium (Al)	mg/L		2	2	0.05	0.1	0	0.1							0.05					
Arsenic (As)	mg/L		2	2	0.005	0.01	0	0.01							0.005					
Barium (Ba)	mg/L		2	2	0.1	0.1	0	0.1							0.1					
Cadmium (Cd)	mg/L		2	2	0.0005	0.01	0	0.01							0.0005					
Chromium (Cr)	mg/L		2	2	0.005	0.01	0	0.01							0.005					
Conductivity	uS/cm		4	4	10600	19400	14700	19400				10600			12900				15900	
Copper (Cu)	mg/L		2	2	0.005	0.01	0	0.01							0.005					
Iron (Fe)	mg/L		2	2	0.12	0.16	0	0.12							0.16					
Lead (Pb)	mg/L		2	2	0.005	0.01	0	0.01							0.005					
Manganese (Mn)	mg/L		4	4	0.02	0.14	0	0.02				0.14			0.12				0.13	
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	0.13	0	0.1				0.1			0.05				0.13	
Nitrogen-Ammonia	mg/L		4	4	0.1	0.9	0	0.1				0.1			0.4				0.9	
Organochlorine Pesticides	ug/L		2	2	0.1	0.2	0	0.2							0.1					
Phenols	mg/L		2	2	0.05	0.1	0	0.1							0.05					
Polycyclic Aromatic Hydrocarbons	ug/L		2	2	2.5	5	4	5							2.5					
Selenium (Se)	mg/L		2	2	0.005	0.01	0	0.01							0.005					
Total Dissolved Solids	mg/L		4	4	6900	12700	9610	12700				6900			8440				10400	
Total Organic Carbon	mg/L		4	4	1	14	9	1				10			11				14	
Total Petroleum Hydrocarbons	ug/L		2	2	50	100	75	100							50					
Zinc (Zn)	mg/L		2	2	0.005	0.04	0	0.04							0.005					
pH	pH			12	12	6.8	7.9	7	7.6	7.9	7.3	7.5	7.4	7.4	6.8	6.8	7.3	7.4	6.8	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 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													
								13/01/2017	13/02/2017	10/03/2017	10/04/2017	12/05/2017	26/06/2017	20/07/2017	31/08/2017	7/09/2017	9/10/2017	6/11/2017	18/12/2017		
Alkalinity (as CaCO <sub>3</sub> )	mg/L	No limits apply - sampling for monitoring purposes only	4	4	62	120	93	120				86			62			105			
Aluminium (Al)	mg/L		2	2	0.05	0.1	0	0.1							0.05						
Arsenic (As)	mg/L		2	2	0.005	0.01	0	0.01							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	0.01	0	0.01							0.0005						
Chromium (Cr)	mg/L		2	2	0.005	0.01	0	0.01							0.005						
Conductivity	uS/cm		4	4	750	50500	26138	37600				750			15700				50500		
Copper (Cu)	mg/L		2	2	0.005	0.01	0	0.01							0.005						
Iron (Fe)	mg/L		2	2	0.08	0.2	0	0.2							0.08						
Lead (Pb)	mg/L		2	2	0.005	0.01	0	0.01							0.005						
Manganese (Mn)	mg/L		4	4	0.02	0.04	0	0.02				0.04			0.02				0.02		
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	0.84	0	0.12				0.84			0.24				0.05		
Nitrogen-Ammonia	mg/L		4	4	0.05	0.2	0	0.1				0.2			0.05				0.05		
Organochlorine Pesticides	ug/L		2	2	0.1	0.2	0	0.2							0.1						
Phenols	mg/L		2	2	0.05	0.1	0	0.1							0.05						
Polycyclic Aromatic Hydrocarbons	ug/L		2	2	2.5	5	4	5							2.5						
Selenium (Se)	mg/L		2	2	0.005	0.01	0	0.01							0.005						
Total Dissolved Solids	mg/L		4	4	480	32900	17020	24500				480			10200				32900		
Total Organic Carbon	mg/L		4	4	0.5	8	3	1				8			3				0.5		
Total Petroleum Hydrocarbons	ug/L		2	2	50	100	75	100							50						
Zinc (Zn)	mg/L		2	2	0.005	0.05	0	0.05							0.005						
pH	pH			12	12	6.9	7.5	7	7.2	7.2	7.1	7.5	7.1	7.2	6.9	6.9	7.1	7.2	7	7.1	

**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												
								13/01/2017	13/02/2017	10/03/2017	10/04/2017	12/05/2017	26/06/2017	20/07/2017	31/08/2017	7/09/2017	9/10/2017	6/11/2017	20/12/2017	
Alkalinity (as CaCO <sub>3</sub> )	mg/L	No limits apply - sampling for monitoring purposes only	4	4	67	140	103	100				105			67			140		
Aluminium (Al)	mg/L		2	2	0.05	0.1	0	0.1							0.05					
Arsenic (As)	mg/L		2	2	0.005	0.01	0	0.01							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	0.01	0	0.01							0.0005					
Chromium (Cr)	mg/L		2	2	0.005	0.01	0	0.01							0.005					
Conductivity	uS/cm		4	4	780	52800	28745	45600				780			15800				52800	
Copper (Cu)	mg/L		2	2	0.005	0.01	0	0.01							0.005					
Iron (Fe)	mg/L		2	2	0.09	0.18	0	0.18							0.09					
Lead (Pb)	mg/L		2	2	0.005	0.01	0	0.01							0.005					
Manganese (Mn)	mg/L		4	4	0.02	0.03	0	0.03				0.03			0.02				0.02	
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	0.83	0	0.1				0.83			0.24				0.05	
Nitrogen-Ammonia	mg/L		4	4	0.05	0.2	0	0.1				0.2			0.05				0.05	
Organochlorine Pesticides	ug/L		2	2	0.1	0.2	0	0.2							0.1					
Phenols	mg/L		2	2	0.05	0.1	0	0.1							0.05					
Polycyclic Aromatic Hydrocarbons	ug/L		2	2	2.5	5	4	5							2.5					
Selenium (Se)	mg/L		2	2	0.005	0.01	0	0.01							0.005					
Total Dissolved Solids	mg/L		4	4	510	34500	18728	29600				510			10300				34500	
Total Organic Carbon	mg/L		4	4	0.5	7	3	1				7			4				0.5	
Total Petroleum Hydrocarbons	ug/L		2	2	50	100	75	100							50					
Zinc (Zn)	mg/L		2	2	0.005	0.1	0	0.1							0.005					
pH	pH			12	12	6.9	7.3	7	7.1	7.1	7.0	7.3	7.1	7.1	7.2	6.9	7.2	7.2	6.9	7.1

**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 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														
								13/01/2017	13/02/2017	10/03/2017	10/04/2017	12/05/2017	23/06/2017	20/07/2017	31/08/2017	7/09/2017	9/10/2017	6/11/2017	18/12/2017			
Alkalinity (as CaCO <sub>3</sub> )	mg/L	No limits apply - sampling for monitoring purposes only	4	4	96	240	158	110				96				185			240			
Aluminium (Al)	mg/L		2	2	0.05	0.1	0	0.1									0.05					
Arsenic (As)	mg/L		2	2	0.005	0.01	0	0.01									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	0.01	0	0.01									0.0005					
Chromium (Cr)	mg/L		2	2	0.005	0.01	0	0.01									0.005					
Conductivity	uS/cm		4	4	390	1480	933	720				390					1480			1140		
Copper (Cu)	mg/L		2	2	0.005	0.01	0	0.01									0.005					
Iron (Fe)	mg/L		2	2	0.09	0.14	0	0.14									0.09					
Lead (Pb)	mg/L		2	2	0.005	0.01	0	0.01									0.005					
Manganese (Mn)	mg/L		4	4	0.01	0.29	0	0.02				0.01					0.02			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	0.52	0	0.17				0.52					0.18			0.05		
Nitrogen-Ammonia	mg/L		4	4	0.1	5.8	2	0.1				0.1					0.2			5.8		
Organochlorine Pesticides	ug/L		2	2	0.1	0.2	0	0.2									0.1					
Phenols	mg/L		2	2	0.05	0.1	0	0.1									0.05					
Polycyclic Aromatic Hydrocarbons	ug/L		2	2	2.5	5	4	5									2.5					
Selenium (Se)	mg/L		2	2	0.005	0.01	0	0.01									0.005					
Total Dissolved Solids	mg/L		4	4	260	960	608	470				260					960			740		
Total Organic Carbon	mg/L		4	4	4	40	15	6				4					10			40		
Total Petroleum Hydrocarbons	ug/L		2	2	100	180	140	100									180					
Zinc (Zn)	mg/L		2	2	0.01	0.03	0	0.03									0.01					
pH	pH			12	12	7.1	7.7	7	7.6	7.7	7.3	7.4	7.7	7.5	7.4	7.3	7.1	7.2	7.2	7.1		

**Sampling frequency**

Every month
Every 3 months
Every 6 months