

Glenfield Waste Services Landfill Facility

EPL 4614 — Annual Return Monitoring Data Summary — 2024-2025 Licence Year

Discharge and Monitoring Point 1 — Dam B1 Stormwater Basin

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
pH	0.01	pH units	0	0	The Dam did not overflow and there was no discharge		
Conductivity	1	uS/cm	0	0			
Ammonia	0.01	mg/L	0	0			
Total Suspended Solids carbon	1	mg/L	0	0			
Total Organic Carbon	1	mg/L	0	0			

Discharge and Monitoring Point 2 — Dam B7 Stormwater Basin

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
pH	0.01	pH units	0	0	The Dam did not overflow and there was no discharge		
Conductivity	1	uS/cm	0	0			
Ammonia	0.01	mg/L	0	0			
Total Suspended Solids carbon	1	mg/L	0	0			
Total Organic Carbon	1	mg/L	0	0			

Monitoring Point 3 — LP001A

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
pH (field)	0.01	pH units	0	4	7.29	7.5125	7.81
Electrical Conductivity (field)	1	uS/cm	0	4	3011	7387.75	11460
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.62	1.0775	1.44
Redox (field)	0.1	mV	0	4	-47.8	-11.15	28.9
Temperature (field)	0.1	deg c	0	4	29.36	31.34	34.9
Standing Leachate Level	0.1	m	1	4	7.7	11.875	14.5
Approx. Leachate Elevation	0.01	m AHD	1	4	1.85	4.475	8.65
pH (lab)	0.1	pH units	1	4	7.7	7.85	8.1
Electrical Conductivity (lab)	1	uS/cm	4	4	3800	7725	11000
Ammonia(N)	0.01	mg/L	1	4	42	198	350
Chloride	1	mg/L	1	4	360	1262.5	2400

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Sulphate (S)	1	mg/L	1	4	92	220.5	360
Fluoride	0.1	mg/L	1	4	0.4	0.475	0.6
Total Alkalinity as CaCO3	1	mg/L	1	4	1100	1950	3100
Calcium	1	mg/L	1	4	51	100.25	130
Magnesium	1	mg/L	1	4	88	142	210
Potassium	1	mg/L	1	4	76	184	300
Sodium	1	mg/L	1	4	390	825	1300
Phosphate	0.1	mg/L	1	4	BDL	0.254	0.5
Total Phosphorous	0.05	mg/L	1	4	0.06	0.8975	2.2
Total Organic Carbon	0.02	mg/L	1	4	74	296	420
Total Kjeldahl Nitrogen	1	mg/L	0	4	76	254	480
Nitrate (as N)	0.01	mg/L	1	4	BDL	0.03	0.03
Nitrite (as N)	0.1	mg/L	1	4	BDL	0.007	0.007
Total Dissolved Solids	5	mg/L	1	1	5800	5800	5800
Phenolics (Total)	0.05	mg/L	1	1	BDL	BDL	BDL
Hexavalent Chromium (filtered)	0.005	mg/L	1	1	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	0.05	0.05	0.05
Arsenic (filtered)	0.001	mg/L	1	1	0.003	0.003	0.003
Barium (filtered)	0.02	mg/L	1	1	0.76	0.76	0.76
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	0.048	0.048	0.048
Cobalt (filtered)	0.001	mg/L	1	1	0.012	0.012	0.012
Copper (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	0.36	0.36	0.36
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.007	0.007	0.007
Benzene	0.001	mg/L	1	1	0.005	0.005	0.005
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL
Total Xylene	0.003	mg/L	1	1	0.005	0.005	0.005
Total Petroleum Hydrocarbons	0.1	mg/L	1	1	4.2	4.2	4.2
TRH C6-C10 (F1)	0.02	mg/L	1	1	0.019	0.019	0.019

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
TRH C10 - C16 (F2)	0.05	mg/L	1	1	1.3	1.3	1.3
TRH C16 - C34 (F3)	0.1	mg/L	1	1	2.8	2.8	2.8
TRH C34 - C40 (F4)	0.1	mg/L	1	1	0.12	0.12	0.12
Total PAHs	0.001	mg/L	1	1	0.0052	0.0052	0.0052
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 4 — LP003

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
pH (field)	0.01	pH units	0	4	6.45	7.46	7.99
Electrical Conductivity (field)	1	uS/cm	0	4	2340	4072.5	6103
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.75	0.9925	1.34
Redox (field)	0.1	mV	0	4	-55.5	-30	32.8
Temperature (field)	0.1	deg c	0	4	19	23	26.7
Standing Leachate Level	0.1	m	1	4	10.1	16.775	24
Approx. Leachate Elevation	0.01	m AHD	1	4	-8.71	-1.485	5.19
pH (lab)	0.1	pH units	1	4	7.5	7.85	8.2
Electrical Conductivity (lab)	1	uS/cm	4	4	2800	4125	5000
Ammonia(N)	0.01	mg/L	1	4	20	44	110
Chloride	1	mg/L	1	4	470	735	930
Sulphate (S)	1	mg/L	1	4	55	94	120
Fluoride	0.1	mg/L	1	4	0.4	0.525	0.7
Total Alkalinity as CaCO3	1	mg/L	1	4	620	962.5	1400
Calcium	1	mg/L	1	4	54	71	78
Magnesium	1	mg/L	1	4	56	83.25	100
Potassium	1	mg/L	1	4	33	53.5	73
Sodium	1	mg/L	1	4	370	540	630
Phosphate	0.1	mg/L	1	4	BDL	0.022	0.03
Total Phosphorous	0.05	mg/L	1	4	0.09	0.2875	0.76
Total Organic Carbon	0.02	mg/L	1	4	20	137	360
Total Kjeldahl Nitrogen	1	mg/L	0	4	21	61.5	110
Nitrate (as N)	0.01	mg/L	1	4	BDL	4.15333	12
Nitrite (as N)	0.1	mg/L	1	4	0.023	0.7745	3

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Total Dissolved Solids	5	mg/L	1	1	2300	2300	2300
Phenolics (Total)	0.05	mg/L	1	1	BDL	BDL	BDL
Hexavalent Chromium (filtered)	0.005	mg/L	1	1	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL
Arsenic (filtered)	0.001	mg/L	1	1	0.001	0.001	0.001
Barium (filtered)	0.02	mg/L	1	1	1.3	1.3	1.3
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	0.005	0.005	0.005
Cobalt (filtered)	0.001	mg/L	1	1	0.004	0.004	0.004
Copper (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	0.16	0.16	0.16
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.006	0.006	0.006
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL
Total Xylene	0.003	mg/L	1	1	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	1	0.55	0.55	0.55
TRH C6-C10 (F1)	0.02	mg/L	1	1	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	1	0.14	0.14	0.14
TRH C16 - C34 (F3)	0.1	mg/L	1	1	0.4	0.4	0.4
TRH C34 - C40 (F4)	0.1	mg/L	1	1	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	1	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 5 — LP002

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
pH (field)	0.01	pH units	0	4	6.92	7.11	7.47
Electrical Conductivity (field)	1	uS/cm	0	4	2098	2440.75	2783
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.47	1.18	1.75
Redox (field)	0.1	mV	0	4	-11.3	4.075	43

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Temperature (field)	0.1	deg c	0	4	25.5	27.775	29.8
Standing Leachate Level	0.1	m	1	4	11.6	18.4	23
Approx. Leachate Elevation	0.01	m AHD	1	4	-4.73	-0.13	6.67
pH (lab)	0.1	pH units	1	4	7.1	7.375	7.6
Electrical Conductivity (lab)	1	uS/cm	4	4	1900	2525	3200
Ammonia(N)	0.01	mg/L	1	4	30	88.5	140
Chloride	1	mg/L	1	4	150	187.5	280
Sulphate (S)	1	mg/L	1	4	290	540	650
Fluoride	0.1	mg/L	1	4	0.2	0.3	0.4
Total Alkalinity as CaCO3	1	mg/L	1	4	440	525	740
Calcium	1	mg/L	1	4	110	160	190
Magnesium	1	mg/L	1	4	28	39	46
Potassium	1	mg/L	1	4	25	33.25	36
Sodium	1	mg/L	1	4	140	155	170
Phosphate	0.1	mg/L	1	4	BDL	0.006	0.006
Total Phosphorous	0.05	mg/L	1	4	BDL	0.35	0.59
Total Organic Carbon	0.02	mg/L	1	4	14	85.25	240
Total Kjeldahl Nitrogen	1	mg/L	0	4	30	98.5	140
Nitrate (as N)	0.01	mg/L	1	4	BDL	0.009	0.01
Nitrite (as N)	0.1	mg/L	1	4	BDL	0.0055	0.006
Total Dissolved Solids	5	mg/L	1	1	1200	1200	1200
Phenolics (Total)	0.05	mg/L	1	1	BDL	BDL	BDL
Hexavalent Chromium (filtered)	0.005	mg/L	1	1	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	0.03	0.03	0.03
Arsenic (filtered)	0.001	mg/L	1	1	0.007	0.007	0.007
Barium (filtered)	0.02	mg/L	1	1	0.084	0.084	0.084
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	0.002	0.002	0.002
Cobalt (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Copper (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	0.81	0.81	0.81
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Zinc (filtered)	0.005	mg/L	1	1	0.002	0.002	0.002
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL
Total Xylene	0.003	mg/L	1	1	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	1	1.2	1.2	1.2
TRH C6-C10 (F1)	0.02	mg/L	1	1	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	1	0.64	0.64	0.64
TRH C16 - C34 (F3)	0.1	mg/L	1	1	0.52	0.52	0.52
TRH C34 - C40 (F4)	0.1	mg/L	1	1	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	1	0.00067	0.00067	0.00067
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 6 — BH8A

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	4.3	4.79	5.03
Standing Water Elevation	0.01	m AHD	0	4	8.76	9	9.49
pH (field)	0.01	pH units	0	4	6.16	6.4375	6.78
Electrical Conductivity (field)	1	uS/cm	0	4	1076	1236.25	1555
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.33	0.8625	1.75
Redox (field)	0.1	mV	0	4	0.4	21.6	34.9
Temperature (field)	0.1	deg c	0	4	19.5	19.98	20.4
Ammonia(N)	0.01	mg/L	4	4	0.31	0.8125	1.8
Chloride	1	mg/L	4	4	190	245	280
pH	0.1	pH units	4	4	6.6	6.75	7.1
Sulphate (S)	5	mg/L	4	4	37	44.25	48
Total Dissolved Solids	10	mg/L	4	4	570	720	870
Total Organic Carbon	5	mg/L	4	4	5	7.25	8
Total Alkalinity as CaCO3	20	mg/L	4	4	210	222.5	250
Calcium	0.5	mg/L	4	4	25	34.75	50
Magnesium	0.5	mg/L	4	4	23	33.5	50
Potassium	0.5	mg/L	4	4	6.4	7.575	8.6

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Sodium	0.5	mg/L	4	4	110	150	170
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	1	0.3	0.3	0.3
Nitrate (as N)	0.02	mg/L	1	1	BDL	BDL	BDL
Nitrite (as N)	0.02	mg/L	1	1	BDL	BDL	BDL
Phenolics (Total)	0.1	mg/L	1	1	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL
Arsenic (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Barium (filtered)	0.02	mg/L	1	1	0.18	0.18	0.18
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Copper (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	1.1	1.1	1.1
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.016	0.016	0.016
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL
Total Xylenes	0.003	mg/L	1	1	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	1	BDL	BDL	BDL
TRH C6-C10 (F1)	0.02	mg/L	1	1	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	1	BDL	BDL	BDL
TRH C16 - C34 (F3)	0.1	mg/L	1	1	BDL	BDL	BDL
TRH C34 - C40 (F4)	0.1	mg/L	1	1	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	1	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 7 — BH1B

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	8.62	8.875	9.4

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Elevation	0.01	m AHD	0	4	3.92	4.445	4.7
pH (field)	0.01	pH units	0	4	6.75	7.07	7.33
Electrical Conductivity (field)	1	uS/cm	0	4	1475	1676	1962
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.25	0.7825	1.52
Redox (field)	0.1	mV	0	4	-25.7	-12.275	6.4
Temperature (field)	0.1	deg c	0	4	18.5	19.5825	20.7
Ammonia(N)	0.01	mg/L	4	4	0.68	0.9325	1.3
Chloride	1	mg/L	4	4	310	397.5	450
pH	0.1	pH units	4	4	7.3	7.475	7.7
Sulphate (S)	5	mg/L	4	4	BDL	11	13
Total Dissolved Solids	10	mg/L	4	4	850	977.5	1100
Total Organic Carbon	5	mg/L	4	4	2	4	7
Total Alkalinity as CaCO3	20	mg/L	4	4	280	302.5	310
Calcium	0.5	mg/L	4	4	24	36.75	45
Magnesium	0.5	mg/L	4	4	8.4	13.35	15
Potassium	0.5	mg/L	4	4	6.4	8.675	9.8
Sodium	0.5	mg/L	4	4	260	302.5	360
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	1	0.8	0.8	0.8
Nitrate (as N)	0.02	mg/L	1	1	0.12	0.12	0.12
Nitrite (as N)	0.02	mg/L	1	1	BDL	BDL	BDL
Phenolics (Total)	0.1	mg/L	1	1	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL
Arsenic (filtered)	0.001	mg/L	1	1	0.009	0.009	0.009
Barium (filtered)	0.02	mg/L	1	1	3.2	3.2	3.2
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Copper (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	0.034	0.034	0.034
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.002	0.002	0.002

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL
Total Xylenes	0.003	mg/L	1	1	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	1	BDL	BDL	BDL
TRH C6-C10 (F1)	0.02	mg/L	1	1	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	1	BDL	BDL	BDL
TRH C16 - C34 (F3)	0.1	mg/L	1	1	BDL	BDL	BDL
TRH C34 - C40 (F4)	0.1	mg/L	1	1	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	1	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 8 — BH7B

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	8.9	9.6575	11.25
Standing Water Elevation	0.01	m AHD	0	4	-2.25	-0.6575	0.1
pH (field)	0.01	pH units	0	4	5.94	6.21	6.41
Electrical Conductivity (field)	1	uS/cm	0	4	1448	2075.5	2643
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.7	1.66	2.49
Redox (field)	0.1	mV	0	4	20.7	33.6	50.2
Temperature (field)	0.1	deg c	0	4	18.9	19.98	20.62
Ammonia(N)	0.01	mg/L	4	4	0.29	0.545	1.1
Chloride	1	mg/L	4	4	410	495	590
pH	0.1	pH units	4	4	6.4	6.575	6.8
Sulphate (S)	5	mg/L	4	4	46	78	120
Total Dissolved Solids	10	mg/L	4	4	1100	1225	1300
Total Organic Carbon	5	mg/L	4	4	2	4	6
Total Alkalinity as CaCO3	20	mg/L	4	4	260	312.5	360
Calcium	0.5	mg/L	4	4	31	35.75	42
Magnesium	0.5	mg/L	4	4	39	43	48
Potassium	0.5	mg/L	4	4	10	10.75	11
Sodium	0.5	mg/L	4	4	290	342.5	380

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	1	0.3	0.3	0.3
Nitrate (as N)	0.02	mg/L	1	1	BDL	BDL	BDL
Nitrite (as N)	0.02	mg/L	1	1	BDL	BDL	BDL
Phenolics (Total)	0.1	mg/L	1	1	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL
Arsenic (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Barium (filtered)	0.02	mg/L	1	1	0.9	0.9	0.9
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Copper (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	0.84	0.84	0.84
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.001	0.001	0.001
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL
Total Xylenes	0.003	mg/L	1	1	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	1	0.12	0.12	0.12
TRH C6-C10 (F1)	0.02	mg/L	1	1	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	1	BDL	BDL	BDL
TRH C16 - C34 (F3)	0.1	mg/L	1	1	0.12	0.12	0.12
TRH C34 - C40 (F4)	0.1	mg/L	1	1	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	1	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 10 — BH9A

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	6.25	7.01	7.72
Standing Water Elevation	0.01	m AHD	0	4	1.47	2.18	2.94

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
pH (field)	0.01	pH units	0	4	6.55	6.7725	7.19
Electrical Conductivity (field)	1	uS/cm	0	4	733	1893	3131
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.73	2.1325	3.88
Redox (field)	0.1	mV	0	4	-16.2	3.75	12.2
Temperature (field)	0.1	deg c	0	4	15.2	20.395	26.2
Ammonia(N)	0.01	mg/L	4	4	3.6	6.55	8.2
Chloride	1	mg/L	4	4	300	437.5	820
pH	0.1	pH units	4	4	6.7	6.95	7.2
Sulphate (S)	5	mg/L	4	4	24	47	56
Total Dissolved Solids	10	mg/L	4	4	1100	1300	1900
Total Organic Carbon	5	mg/L	4	4	13	14.5	17
Total Alkalinity as CaCO3	20	mg/L	4	4	480	525	620
Calcium	0.5	mg/L	4	4	27	35.75	52
Magnesium	0.5	mg/L	4	4	39	49	69
Potassium	0.5	mg/L	4	4	15	17.75	23
Sodium	0.5	mg/L	4	4	230	330	500
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	1	0.4	0.4	0.4
Nitrate (as N)	0.02	mg/L	1	1	0.01	0.01	0.01
Nitrite (as N)	0.02	mg/L	1	1	0.008	0.008	0.008
Phenolics (Total)	0.1	mg/L	1	1	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	0.01	0.01	0.01
Arsenic (filtered)	0.001	mg/L	1	1	0.001	0.001	0.001
Barium (filtered)	0.02	mg/L	1	1	0.85	0.85	0.85
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Copper (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	0.3	0.3	0.3
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.051	0.051	0.051
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL
Total Xylenes	0.003	mg/L	1	1	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	1	BDL	BDL	BDL
TRH C6-C10 (F1)	0.02	mg/L	1	1	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	1	BDL	BDL	BDL
TRH C16 - C34 (F3)	0.1	mg/L	1	1	BDL	BDL	BDL
TRH C34 - C40 (F4)	0.1	mg/L	1	1	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	1	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 11 — BH10D

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	3.06	3.4525	3.77
Standing Water Elevation	0.01	m AHD	0	4	2.4	2.7175	3.11
pH (field)	0.01	pH units	0	4	6.49	7.15	8.32
Electrical Conductivity (field)	1	uS/cm	0	4	476	1107.75	1527
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.44	1.2525	2.15
Redox (field)	0.1	mV	0	4	-72.9	-16.925	20.5
Temperature (field)	0.1	deg c	0	4	15.1	18.1525	19.9
Ammonia(N)	0.01	mg/L	4	4	0.13	1.0475	2.1
Chloride	1	mg/L	4	4	54	196	310
pH	0.1	pH units	4	4	6.5	6.8	7.1
Sulphate (S)	5	mg/L	4	4	18	31.5	46
Total Dissolved Solids	10	mg/L	4	4	290	622.5	830
Total Organic Carbon	5	mg/L	4	4	10	14.25	17
Total Alkalinity as CaCO3	20	mg/L	4	4	140	207.5	270
Calcium	0.5	mg/L	4	4	30	35.5	41
Magnesium	0.5	mg/L	4	4	10	31.25	43
Potassium	0.5	mg/L	4	4	8.1	10.775	13
Sodium	0.5	mg/L	4	4	48	137	180
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Fluoride	0.1	mg/L	1	1	0.2	0.2	0.2
Nitrate (as N)	0.02	mg/L	1	1	BDL	BDL	BDL
Nitrite (as N)	0.02	mg/L	1	1	BDL	BDL	BDL
Phenolics (Total)	0.1	mg/L	1	1	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL
Arsenic (filtered)	0.001	mg/L	1	1	0.003	0.003	0.003
Barium (filtered)	0.02	mg/L	1	1	1.5	1.5	1.5
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	0.001	0.001	0.001
Cobalt (filtered)	0.001	mg/L	1	1	0.002	0.002	0.002
Copper (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	1.4	1.4	1.4
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.015	0.015	0.015
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL
Total Xylenes	0.003	mg/L	1	1	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	1	BDL	BDL	BDL
TRH C6-C10 (F1)	0.02	mg/L	1	1	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	1	BDL	BDL	BDL
TRH C16 - C34 (F3)	0.1	mg/L	1	1	BDL	BDL	BDL
TRH C34 - C40 (F4)	0.1	mg/L	1	1	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	1	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 12 — BH13D

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	12.15	12.2625	12.42
Standing Water Elevation	0.01	m AHD	0	4	2.4	2.5575	2.67
pH (field)	0.01	pH units	0	4	6.57	7.0375	7.51

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Electrical Conductivity (field)	1	uS/cm	0	4	1296	1618.5	1841
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.51	1.62	2.95
Redox (field)	0.1	mV	0	4	-33.9	-16.225	11.9
Temperature (field)	0.1	deg c	0	4	18	19.61	21.6
Ammonia(N)	0.01	mg/L	4	4	0.11	0.3725	0.59
Chloride	1	mg/L	4	4	380	447.5	520
pH	0.1	pH units	4	4	7	7.025	7.1
Sulphate (S)	5	mg/L	4	4	4	13.75	26
Total Dissolved Solids	10	mg/L	4	4	1000	1050	1100
Total Organic Carbon	5	mg/L	4	4	3	4.5	6
Total Alkalinity as CaCO3	20	mg/L	4	4	220	285	350
Calcium	0.5	mg/L	4	4	35	37.5	40
Magnesium	0.5	mg/L	4	4	48	51.5	54
Potassium	0.5	mg/L	4	4	6.3	7.325	8.3
Sodium	0.5	mg/L	4	4	190	257.5	310
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	1	0.4	0.4	0.4
Nitrate (as N)	0.02	mg/L	1	1	0.01	0.01	0.01
Nitrite (as N)	0.02	mg/L	1	1	0.005	0.005	0.005
Phenolics (Total)	0.1	mg/L	1	1	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL
Arsenic (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Barium (filtered)	0.02	mg/L	1	1	2.2	2.2	2.2
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Copper (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	0.75	0.75	0.75
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.048	0.048	0.048
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL
Total Xylenes	0.003	mg/L	1	1	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	1	0.21	0.21	0.21
TRH C6-C10 (F1)	0.02	mg/L	1	1	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	1	BDL	BDL	BDL
TRH C16 - C34 (F3)	0.1	mg/L	1	1	0.21	0.21	0.21
TRH C34 - C40 (F4)	0.1	mg/L	1	1	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	1	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 13 — BH15S

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	5.48	5.565	5.63
Standing Water Elevation	0.01	m AHD	0	4	2.87	2.935	3.02
pH (field)	0.01	pH units	0	4	6.63	6.8625	7.02
Electrical Conductivity (field)	1	uS/cm	0	4	3250	3882.5	4820
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.45	1.55	3.52
Redox (field)	0.1	mV	0	4	-9.1	-2.05	8.8
Temperature (field)	0.1	deg c	0	4	17.5	19.435	21.4
Ammonia(N)	0.01	mg/L	4	4	61	140.25	220
Chloride	1	mg/L	4	4	530	555	580
pH	0.1	pH units	4	4	7	7.025	7.1
Sulphate (S)	5	mg/L	4	4	BDL	1	1
Total Dissolved Solids	10	mg/L	4	4	1700	1925	2200
Total Organic Carbon	5	mg/L	4	4	94	106	120
Total Alkalinity as CaCO3	20	mg/L	4	4	1200	1300	1400
Calcium	0.5	mg/L	4	4	34	37.5	40
Magnesium	0.5	mg/L	4	4	77	84.25	88
Potassium	0.5	mg/L	4	4	74	80.5	96
Sodium	0.5	mg/L	4	4	360	410	430
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	1	0.2	0.2	0.2

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Nitrate (as N)	0.02	mg/L	1	1	0.05	0.05	0.05
Nitrite (as N)	0.02	mg/L	1	1	0.02	0.02	0.02
Phenolics (Total)	0.1	mg/L	1	1	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	0.03	0.03	0.03
Arsenic (filtered)	0.001	mg/L	1	1	0.012	0.012	0.012
Barium (filtered)	0.02	mg/L	1	1	0.64	0.64	0.64
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	0.006	0.006	0.006
Cobalt (filtered)	0.001	mg/L	1	1	0.007	0.007	0.007
Copper (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	0.14	0.14	0.14
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.029	0.029	0.029
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL
Total Xylenes	0.003	mg/L	1	1	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	1	1.7	1.7	1.7
TRH C6-C10 (F1)	0.02	mg/L	1	1	0.013	0.013	0.013
TRH C10 - C16 (F2)	0.05	mg/L	1	1	0.48	0.48	0.48
TRH C16 - C34 (F3)	0.1	mg/L	1	1	1.1	1.1	1.1
TRH C34 - C40 (F4)	0.1	mg/L	1	1	0.12	0.12	0.12
Total PAHs	0.001	mg/L	1	1	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 14 — BH11

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	3.45	3.74	4.21
Standing Water Elevation	0.01	m AHD	0	4	19.95	20.42	20.71
pH (field)	0.01	pH units	0	4	6.1	6.455	6.63
Electrical Conductivity (field)	1	uS/cm	0	4	1362	14613	22030

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.46	1.6175	3.01
Redox (field)	0.1	mV	0	4	8.2	20.75	42
Temperature (field)	0.1	deg c	0	4	16.6	18.6775	19.9
Ammonia(N)	0.01	mg/L	4	4	0.21	0.33	0.45
Chloride	1	mg/L	4	4	2100	5675	7900
pH	0.1	pH units	4	4	6.8	6.925	7.2
Sulphate (S)	5	mg/L	4	4	140	410	560
Total Dissolved Solids	10	mg/L	4	4	4100	11525	16000
Total Organic Carbon	5	mg/L	4	4	8	15	26
Total Alkalinity as CaCO3	20	mg/L	4	4	370	772.5	1000
Calcium	0.5	mg/L	4	4	19	58.5	85
Magnesium	0.5	mg/L	4	4	190	660	950
Potassium	0.5	mg/L	4	4	17	38.75	52
Sodium	0.5	mg/L	4	4	840	2210	2800
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	1	1	1	1
Nitrate (as N)	0.02	mg/L	1	1	BDL	BDL	BDL
Nitrite (as N)	0.02	mg/L	1	1	BDL	BDL	BDL
Phenolics (Total)	0.1	mg/L	1	1	0.3	0.3	0.3
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL
Arsenic (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Barium (filtered)	0.02	mg/L	1	1	0.19	0.19	0.19
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	0.001	0.001	0.001
Copper (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	2.8	2.8	2.8
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.006	0.006	0.006
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Total Xylenes	0.003	mg/L	1	1	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	1	0.08	0.08	0.08
TRH C6-C10 (F1)	0.02	mg/L	1	1	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	1	0.082	0.082	0.082
TRH C16 - C34 (F3)	0.1	mg/L	1	1	BDL	BDL	BDL
TRH C34 - C40 (F4)	0.1	mg/L	1	1	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	1	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 15 — BH9B

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	5.84	6.2225	6.38
Standing Water Elevation	0.01	m AHD	0	4	2.79	2.9475	3.33
pH (field)	0.01	pH units	0	4	6.42	6.62	7.01
Electrical Conductivity (field)	1	uS/cm	0	4	921	1676.75	2950
Dissolved Oxygen (field)	0.01	mg/L	0	4	1.14	1.625	2.07
Redox (field)	0.1	mV	0	4	-7.4	12.575	24.4
Temperature (field)	0.1	deg c	0	4	18.2	21.275	25.2
Ammonia(N)	0.01	mg/L	4	4	0.77	3.3175	7.7
Chloride	1	mg/L	4	4	38	71	120
pH	0.1	pH units	4	4	6.8	7.05	7.4
Sulphate (S)	5	mg/L	4	4	78	87.5	110
Total Dissolved Solids	10	mg/L	4	4	560	720	850
Total Organic Carbon	5	mg/L	4	4	11	21.5	36
Total Alkalinity as CaCO3	20	mg/L	4	4	380	517.5	630
Calcium	0.5	mg/L	4	4	77	119.25	180
Magnesium	0.5	mg/L	4	4	21	40.5	65
Potassium	0.5	mg/L	4	4	9.2	11.8	13
Sodium	0.5	mg/L	4	4	37	59.5	97
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	1	0.3	0.3	0.3
Nitrate (as N)	0.02	mg/L	1	1	0.01	0.01	0.01

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Nitrite (as N)	0.02	mg/L	1	1	BDL	BDL	BDL
Phenolics (Total)	0.1	mg/L	1	1	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL
Arsenic (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Barium (filtered)	0.02	mg/L	1	1	0.36	0.36	0.36
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	0.003	0.003	0.003
Copper (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	4.1	4.1	4.1
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.024	0.024	0.024
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL
Total Xylenes	0.003	mg/L	1	1	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	1	BDL	BDL	BDL
TRH C6-C10 (F1)	0.02	mg/L	1	1	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	1	BDL	BDL	BDL
TRH C16 - C34 (F3)	0.1	mg/L	1	1	BDL	BDL	BDL
TRH C34 - C40 (F4)	0.1	mg/L	1	1	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	1	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 16 — BH3G

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	11.28	11.5275	11.76
Standing Water Elevation	0.01	m AHD	0	4	3.69	3.9225	4.17
pH (field)	0.01	pH units	0	4	6.45	7.0975	8
Electrical Conductivity (field)	1	uS/cm	0	4	470	604	766
Dissolved Oxygen (field)	0.01	mg/L	0	4	1.23	2.4275	3.44

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Redox (field)	0.1	mV	0	4	-69.6	-14.075	22.9
Temperature (field)	0.1	deg c	0	4	19.3	20.745	23.1
Ammonia(N)	0.01	mg/L	4	4	0.008	0.2295	0.48
Chloride	1	mg/L	4	4	61	82.75	96
pH	0.1	pH units	4	4	6.1	6.4	6.8
Sulphate (S)	5	mg/L	4	4	53	60.75	72
Total Dissolved Solids	10	mg/L	4	4	310	352.5	440
Total Organic Carbon	5	mg/L	4	4	3	4.5	6
Total Alkalinity as CaCO3	20	mg/L	4	4	48	110	230
Calcium	0.5	mg/L	4	4	8	11.825	20
Magnesium	0.5	mg/L	4	4	10	17	27
Potassium	0.5	mg/L	4	4	2	2.25	3
Sodium	0.5	mg/L	4	4	72	84.75	110
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	1	0.1	0.1	0.1
Nitrate (as N)	0.02	mg/L	1	1	0.051	0.051	0.051
Nitrite (as N)	0.02	mg/L	1	1	0.015	0.015	0.015
Phenolics (Total)	0.1	mg/L	1	1	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL
Arsenic (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Barium (filtered)	0.02	mg/L	1	1	0.073	0.073	0.073
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	0.007	0.007	0.007
Copper (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	1.3	1.3	1.3
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.009	0.009	0.009
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL
Total Xylenes	0.003	mg/L	1	1	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Total Petroleum Hydrocarbons	0.1	mg/L	1	1	BDL	BDL	BDL
TRH C6-C10 (F1)	0.02	mg/L	1	1	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	1	BDL	BDL	BDL
TRH C16 - C34 (F3)	0.1	mg/L	1	1	BDL	BDL	BDL
TRH C34 - C40 (F4)	0.1	mg/L	1	1	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	1	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 17 — BH3H

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	14.05	14.2025	14.36
Standing Water Elevation	0.01	m AHD	0	4	1.1	1.2575	1.41
pH (field)	0.01	pH units	0	4	6.57	6.7775	7.14
Electrical Conductivity (field)	1	uS/cm	0	4	587	1025.75	1900
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.4	2.9125	5.13
Redox (field)	0.1	mV	0	4	-14.4	2.825	16.4
Temperature (field)	0.1	deg c	0	4	14.7	18.7	21.7
Ammonia(N)	0.01	mg/L	4	4	0.033	0.08325	0.13
Chloride	1	mg/L	4	4	71	94.75	110
pH	0.1	pH units	4	4	6.7	6.9	7.2
Sulphate (S)	5	mg/L	4	4	33	60.5	82
Total Dissolved Solids	10	mg/L	4	4	440	510	640
Total Organic Carbon	5	mg/L	4	4	2	4.25	6
Total Alkalinity as CaCO3	20	mg/L	4	4	160	255	320
Calcium	0.5	mg/L	4	4	22	24.75	29
Magnesium	0.5	mg/L	4	4	19	21	24
Potassium	0.5	mg/L	4	4	4	4.925	5.4
Sodium	0.5	mg/L	4	4	93	118.25	140
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	1	0.4	0.4	0.4
Nitrate (as N)	0.02	mg/L	1	1	0.01	0.01	0.01
Nitrite (as N)	0.02	mg/L	1	1	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Phenolics (Total)	0.1	mg/L	1	1	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL
Arsenic (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Barium (filtered)	0.02	mg/L	1	1	0.29	0.29	0.29
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Copper (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	0.32	0.32	0.32
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.004	0.004	0.004
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL
Total Xylenes	0.003	mg/L	1	1	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	1	0.18	0.18	0.18
TRH C6-C10 (F1)	0.02	mg/L	1	1	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	1	0.056	0.056	0.056
TRH C16 - C34 (F3)	0.1	mg/L	1	1	0.13	0.13	0.13
TRH C34 - C40 (F4)	0.1	mg/L	1	1	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	1	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 18 — BH3I

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	14.29	14.4325	14.59
Standing Water Elevation	0.01	m AHD	0	4	0.84	0.9975	1.14
pH (field)	0.01	pH units	0	4	6.87	7.245	7.91
Electrical Conductivity (field)	1	uS/cm	0	4	1001	1120.5	1294
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.49	2.38	4.06
Redox (field)	0.1	mV	0	4	-55.9	-21.475	-4.7

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Temperature (field)	0.1	deg c	0	4	19	20.4825	22.4
Ammonia(N)	0.01	mg/L	4	4	0.19	0.24	0.3
Chloride	1	mg/L	4	4	190	192.5	200
pH	0.1	pH units	4	4	7.4	7.625	8
Sulphate (S)	5	mg/L	4	4	BDL	2.5	3
Total Dissolved Solids	10	mg/L	4	4	610	655	700
Total Organic Carbon	5	mg/L	4	4	1	3.25	7
Total Alkalinity as CaCO3	20	mg/L	4	4	330	340	360
Calcium	0.5	mg/L	4	4	16	16.25	17
Magnesium	0.5	mg/L	4	4	13	13.5	15
Potassium	0.5	mg/L	4	4	5	5.35	5.5
Sodium	0.5	mg/L	4	4	200	207.5	210
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	1	0.6	0.6	0.6
Nitrate (as N)	0.02	mg/L	1	1	0.009	0.009	0.009
Nitrite (as N)	0.02	mg/L	1	1	0.005	0.005	0.005
Phenolics (Total)	0.1	mg/L	1	1	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL
Arsenic (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Barium (filtered)	0.02	mg/L	1	1	0.96	0.96	0.96
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Copper (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	0.022	0.022	0.022
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.004	0.004	0.004
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL
Total Xylenes	0.003	mg/L	1	1	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	1	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
TRH C6-C10 (F1)	0.02	mg/L	1	1	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	1	BDL	BDL	BDL
TRH C16 - C34 (F3)	0.1	mg/L	1	1	BDL	BDL	BDL
TRH C34 - C40 (F4)	0.1	mg/L	1	1	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	1	0.00011	0.00011	0.00011
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 19 — BH4A

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	12.1	13.1175	13.61
Standing Water Elevation	0.01	m AHD	0	4	-2.51	-2.0175	-1
pH (field)	0.01	pH units	0	4	6.92	7.26	7.68
Electrical Conductivity (field)	1	uS/cm	0	4	2211	2663.75	3303
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.8	3.03	6.42
Redox (field)	0.1	mV	0	4	-44.6	-22.6125	-6.95
Temperature (field)	0.1	deg c	0	4	18.2	19.44	20.4
Ammonia(N)	0.01	mg/L	4	4	0.18	0.41	0.76
Chloride	1	mg/L	4	4	710	717.5	720
pH	0.1	pH units	4	4	7.1	7.4	7.6
Sulphate (S)	5	mg/L	4	4	BDL	7.66667	15
Total Dissolved Solids	10	mg/L	4	4	1400	1575	1700
Total Organic Carbon	5	mg/L	4	4	3	5	6
Total Alkalinity as CaCO3	20	mg/L	4	4	250	305	380
Calcium	0.5	mg/L	4	4	36	39	42
Magnesium	0.5	mg/L	4	4	67	68.75	71
Potassium	0.5	mg/L	4	4	6.4	6.95	7.5
Sodium	0.5	mg/L	4	4	350	372.5	400
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	1	0.4	0.4	0.4
Nitrate (as N)	0.02	mg/L	1	1	0.098	0.098	0.098
Nitrite (as N)	0.02	mg/L	1	1	BDL	BDL	BDL
Phenolics (Total)	0.1	mg/L	1	1	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL
Arsenic (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Barium (filtered)	0.02	mg/L	1	1	3.6	3.6	3.6
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Copper (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	0.04	0.04	0.04
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.004	0.004	0.004
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL
Total Xylenes	0.003	mg/L	1	1	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	1	0.12	0.12	0.12
TRH C6-C10 (F1)	0.02	mg/L	1	1	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	1	BDL	BDL	BDL
TRH C16 - C34 (F3)	0.1	mg/L	1	1	0.12	0.12	0.12
TRH C34 - C40 (F4)	0.1	mg/L	1	1	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	1	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 20 — BH4D

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	0	Well BH4D Either Had Insufficient Water Volume Inside the Well to Collect Samples or was Dry		
Standing Water Elevation	0.01	m AHD	0	4			
pH (field)	0.01	pH units	0	0			
Electrical Conductivity (field)	1	uS/cm	0	0			

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Dissolved Oxygen (field)	0.01	mg/L	0	0			
Redox (field)	0.1	mV	0	0			
Temperature (field)	0.1	deg c	0	0			
Ammonia(N)	0.01	mg/L	4	0			
Chloride	1	mg/L	4	0			
pH	0.1	pH units	4	0			
Sulphate (S)	5	mg/L	4	0			
Total Dissolved Solids	10	mg/L	4	0			
Total Organic Carbon	5	mg/L	4	0			
Total Alkalinity as CaCO3	20	mg/L	4	0			
Calcium	0.5	mg/L	4	0			
Magnesium	0.5	mg/L	4	0			
Potassium	0.5	mg/L	4	0			
Sodium	0.5	mg/L	4	0			
Chromium (hexavalent)	0.05	mg/L	1	0			
Fluoride	0.1	mg/L	1	0			
Nitrate (as N)	0.02	mg/L	1	0			
Nitrite (as N)	0.02	mg/L	1	0			
Phenolics (Total)	0.1	mg/L	1	0			
Aluminium (filtered)	0.05	mg/L	1	0			
Arsenic (filtered)	0.001	mg/L	1	0			
Barium (filtered)	0.02	mg/L	1	0			
Cadmium (filtered)	0.0002	mg/L	1	0			
Chromium (filtered)	0.001	mg/L	1	0			
Cobalt (filtered)	0.001	mg/L	1	0			
Copper (filtered)	0.001	mg/L	1	0			
Lead (filtered)	0.001	mg/L	1	0			
Manganese (filtered)	0.005	mg/L	1	0			
Mercury (filtered)	0.0001	mg/L	1	0			
Zinc (filtered)	0.005	mg/L	1	0			
Benzene	0.001	mg/L	1	0			
Toluene	0.001	mg/L	1	0			
Ethylbenzene	0.001	mg/L	1	0			

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Total Xylenes	0.003	mg/L	1	0			
Total Petroleum Hydrocarbons	0.1	mg/L	1	0			
TRH C6-C10 (F1)	0.02	mg/L	1	0			
TRH C10 - C16 (F2)	0.05	mg/L	1	0			
TRH C16 - C34 (F3)	0.1	mg/L	1	0			
TRH C34 - C40 (F4)	0.1	mg/L	1	0			
Total PAHs	0.001	mg/L	1	0			
Total OCPs	0.002	mg/L	1	0			
Total OPPs	0.02	mg/L	1	0			

Monitoring Point 21 — BH7A

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	5.41	5.7975	6.13
Standing Water Elevation	0.01	m AHD	0	4	2.81	3.1425	3.53
pH (field)	0.01	pH units	0	4	5.26	5.3775	5.6
Electrical Conductivity (field)	1	uS/cm	0	4	731	858	978
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.31	1.125	2.52
Redox (field)	0.1	mV	0	4	64.6	79.575	85
Temperature (field)	0.1	deg c	0	4	18.8	19.8125	20.75
Ammonia(N)	0.01	mg/L	4	4	0.14	0.25	0.36
Chloride	1	mg/L	4	4	110	137.5	170
pH	0.1	pH units	4	4	5.7	5.825	5.9
Sulphate (S)	5	mg/L	4	4	73	131.25	270
Total Dissolved Solids	10	mg/L	4	4	420	505	660
Total Organic Carbon	5	mg/L	4	4	3	5.25	7
Total Alkalinity as CaCO3	20	mg/L	4	4	68	114.5	130
Calcium	0.5	mg/L	4	4	12	15.25	21
Magnesium	0.5	mg/L	4	4	18	25.5	37
Potassium	0.5	mg/L	4	4	9.5	10.875	12
Sodium	0.5	mg/L	4	4	100	117.5	150
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	1	BDL	BDL	BDL
Nitrate (as N)	0.02	mg/L	1	1	0.02	0.02	0.02

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Nitrite (as N)	0.02	mg/L	1	1	BDL	BDL	BDL
Phenolics (Total)	0.1	mg/L	1	1	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL
Arsenic (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Barium (filtered)	0.02	mg/L	1	1	0.035	0.035	0.035
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	0.003	0.003	0.003
Copper (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	0.71	0.71	0.71
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.005	0.005	0.005
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL
Total Xylenes	0.003	mg/L	1	1	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	1	BDL	BDL	BDL
TRH C6-C10 (F1)	0.02	mg/L	1	1	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	1	BDL	BDL	BDL
TRH C16 - C34 (F3)	0.1	mg/L	1	1	BDL	BDL	BDL
TRH C34 - C40 (F4)	0.1	mg/L	1	1	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	1	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 22 — BH8B

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	4.86	5.075	5.22
Standing Water Elevation	0.01	m AHD	0	4	8.37	8.515	8.73
pH (field)	0.01	pH units	0	4	6.05	6.25	6.44
Electrical Conductivity (field)	1	uS/cm	0	4	1250	1303.5	1384
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.25	0.835	2.02

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Redox (field)	0.1	mV	0	4	18.6	31.55	40.7
Temperature (field)	0.1	deg c	0	4	18.91	19.7775	21.2
Ammonia(N)	0.01	mg/L	4	4	0.61	0.6975	0.77
Chloride	1	mg/L	4	4	210	272.5	300
pH	0.1	pH units	4	4	6.5	6.725	7
Sulphate (S)	5	mg/L	4	4	40	50.75	56
Total Dissolved Solids	10	mg/L	4	4	700	837.5	910
Total Organic Carbon	5	mg/L	4	4	4	6.75	9
Total Alkalinity as CaCO3	20	mg/L	4	4	240	252.5	270
Calcium	0.5	mg/L	4	4	37	41	44
Magnesium	0.5	mg/L	4	4	42	46.25	50
Potassium	0.5	mg/L	4	4	8	8.75	9.5
Sodium	0.5	mg/L	4	4	130	152.5	170
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	1	0.2	0.2	0.2
Nitrate (as N)	0.02	mg/L	1	1	0.63	0.63	0.63
Nitrite (as N)	0.02	mg/L	1	1	BDL	BDL	BDL
Phenolics (Total)	0.1	mg/L	1	1	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL
Arsenic (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Barium (filtered)	0.02	mg/L	1	1	0.32	0.32	0.32
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	0.001	0.001	0.001
Copper (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	0.84	0.84	0.84
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.004	0.004	0.004
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL
Total Xylenes	0.003	mg/L	1	1	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Total Petroleum Hydrocarbons	0.1	mg/L	1	1	BDL	BDL	BDL
TRH C6-C10 (F1)	0.02	mg/L	1	1	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	1	BDL	BDL	BDL
TRH C16 - C34 (F3)	0.1	mg/L	1	1	BDL	BDL	BDL
TRH C34 - C40 (F4)	0.1	mg/L	1	1	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	1	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 23 — BH1A

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	5.14	5.9875	6.39
Standing Water Elevation	0.01	m AHD	0	4	6.75	7.1525	8
pH (field)	0.01	pH units	0	4	4.66	5.475	6.32
Electrical Conductivity (field)	1	uS/cm	0	4	1144	1849.75	3057
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.28	1.8525	4.9
Redox (field)	0.1	mV	0	4	25.3	73.7	120.4
Temperature (field)	0.1	deg c	0	4	19	19.2875	19.55
Ammonia(N)	0.01	mg/L	4	4	BDL	0.964	1.9
Chloride	1	mg/L	4	4	350	462.5	660
pH	0.1	pH units	4	4	5.1	5.925	6.7
Sulphate (S)	5	mg/L	4	4	53	88.5	110
Total Dissolved Solids	10	mg/L	4	4	800	1127.5	1700
Total Organic Carbon	5	mg/L	4	4	1	4.5	9
Total Alkalinity as CaCO3	20	mg/L	4	4	16	103.5	240
Calcium	0.5	mg/L	4	4	3	15	33
Magnesium	0.5	mg/L	4	4	34	45	63
Potassium	0.5	mg/L	4	4	0.6	5.7	12
Sodium	0.5	mg/L	4	4	200	255	340
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	1	0.2	0.2	0.2
Nitrate (as N)	0.02	mg/L	1	1	0.55	0.55	0.55
Nitrite (as N)	0.02	mg/L	1	1	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Phenolics (Total)	0.1	mg/L	1	1	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL
Arsenic (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Barium (filtered)	0.02	mg/L	1	1	0.3	0.3	0.3
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Cobalt (filtered)	0.001	mg/L	1	1	0.003	0.003	0.003
Copper (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	0.53	0.53	0.53
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.01	0.01	0.01
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL
Total Xylenes	0.003	mg/L	1	1	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	1	BDL	BDL	BDL
TRH C6-C10 (F1)	0.02	mg/L	1	1	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	1	BDL	BDL	BDL
TRH C16 - C34 (F3)	0.1	mg/L	1	1	BDL	BDL	BDL
TRH C34 - C40 (F4)	0.1	mg/L	1	1	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	1	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 24 — BH17A

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Standing Water Level	0.01	mBTOC	4	4	10.48	10.675	10.91
Standing Water Elevation	0.01	m AHD	0	4	3.58	3.815	4.01
pH (field)	0.01	pH units	0	4	6.66	7.0375	7.43
Electrical Conductivity (field)	1	uS/cm	0	4	13470	15012.5	17010
Dissolved Oxygen (field)	0.01	mg/L	0	4	0.44	1.5775	4.52
Redox (field)	0.1	mV	0	4	-32.6	-10.375	7.2

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Temperature (field)	0.1	deg c	0	4	17.1	18.8125	20.1
Ammonia(N)	0.01	mg/L	4	4	0.55	0.8975	1.6
Chloride	1	mg/L	4	4	4800	5400	5700
pH	0.1	pH units	4	4	7.1	7.2	7.3
Sulphate (S)	5	mg/L	4	4	350	370	390
Total Dissolved Solids	10	mg/L	4	4	9100	10775	12000
Total Organic Carbon	5	mg/L	4	4	2	2.75	4
Total Alkalinity as CaCO3	20	mg/L	4	4	1100	1200	1300
Calcium	0.5	mg/L	4	4	120	142.5	160
Magnesium	0.5	mg/L	4	4	490	577.5	620
Potassium	0.5	mg/L	4	4	32	35.75	38
Sodium	0.5	mg/L	4	4	2100	2200	2300
Chromium (hexavalent)	0.05	mg/L	1	1	BDL	BDL	BDL
Fluoride	0.1	mg/L	1	1	0.8	0.8	0.8
Nitrate (as N)	0.02	mg/L	1	1	0.068	0.068	0.068
Nitrite (as N)	0.02	mg/L	1	1	0.012	0.012	0.012
Phenolics (Total)	0.1	mg/L	1	1	0.1	0.1	0.1
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL
Arsenic (filtered)	0.001	mg/L	1	1	0.001	0.001	0.001
Barium (filtered)	0.02	mg/L	1	1	0.073	0.073	0.073
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	0.001	0.001	0.001
Cobalt (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Copper (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	0.18	0.18	0.18
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	BDL	BDL	BDL
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL
Total Xylenes	0.003	mg/L	1	1	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	1	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
TRH C6-C10 (F1)	0.02	mg/L	1	1	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	1	BDL	BDL	BDL
TRH C16 - C34 (F3)	0.1	mg/L	1	1	BDL	BDL	BDL
TRH C34 - C40 (F4)	0.1	mg/L	1	1	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	1	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 26 — LG1

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Methane	0.0001	ppm By volume	4	4	0	0	0

Monitoring Point 27 — LG2

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Methane	0.0001	ppm By volume	4	4	0	0	0

Monitoring Point 28 — LG3

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Methane	0.0001	ppm By volume	4	4	0	1500	6000

Monitoring Point 29 — LG4

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Methane	0.0001	ppm By volume	4	4	0	0	0

Monitoring Point 30 — LG5

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Methane	0.0001	ppm By volume	4	7	0	0	0

Monitoring Point 31 — LG7

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Methane	0.0001	ppm By volume	4	12	118000	187583	261000

Monitoring Point 33 — LHD

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
pH (field)	0.01	pH units	0	4	7.55	8.38	8.74
Electrical Conductivity (field)	1	uS/cm	0	4	3459	4076.75	4724
Dissolved Oxygen (field)	0.01	mg/L	0	4	2.44	3.8875	4.72
Redox (field)	0.1	mV	0	4	-98.7	-80.55	-36.5
Temperature (field)	0.1	deg c	0	4	13.8	22.825	30.5
Standing Leachate Level	0.1	m	1	3	1.7	3.23333	4
Approx. Leachate Elevation	0.01	m AHD	1	3	13.63	14.3967	15.93
pH (lab)	0.1	pH units	1	4	8.2	8.4	8.6
Electrical Conductivity (lab)	1	uS/cm	4	4	650	3237.5	4600
Ammonia(N)	0.01	mg/L	1	4	24	62	98
Chloride	1	mg/L	1	4	270	557.5	1200
Sulphate (S)	1	mg/L	1	4	100	170	250
Fluoride	0.1	mg/L	1	4	0.4	0.425	0.5
Total Alkalinity as CaCO3	1	mg/L	1	4	1200	1775	2200
Calcium	1	mg/L	1	4	25	51	74
Magnesium	1	mg/L	1	4	79	88	96
Potassium	1	mg/L	1	4	55	66.75	97
Sodium	1	mg/L	1	4	540	642.5	750
Phosphate	0.1	mg/L	1	4	0.009	0.23725	0.51
Total Phosphorous	0.05	mg/L	1	4	0.2	0.925	1.3
Total Organic Carbon	0.02	mg/L	1	4	66	241.5	670
Total Kjeldahl Nitrogen	1	mg/L	0	4	40	81.25	110
Nitrate (as N)	0.01	mg/L	1	4	BDL	0.825	1.6
Nitrite (as N)	0.1	mg/L	1	4	BDL	0.718333	1.7
Total Dissolved Solids	5	mg/L	1	1	2200	2200	2200
Phenolics (Total)	0.05	mg/L	1	1	BDL	BDL	BDL
Hexavalent Chromium (filtered)	0.005	mg/L	1	1	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	BDL	BDL	BDL
Arsenic (filtered)	0.001	mg/L	1	1	0.007	0.007	0.007
Barium (filtered)	0.02	mg/L	1	1	0.068	0.068	0.068
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	0.007	0.007	0.007

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Cobalt (filtered)	0.001	mg/L	1	1	0.006	0.006	0.006
Copper (filtered)	0.001	mg/L	1	1	0.003	0.003	0.003
Lead (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	0.32	0.32	0.32
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL
Zinc (filtered)	0.005	mg/L	1	1	0.005	0.005	0.005
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL
Total Xylene	0.003	mg/L	1	1	BDL	BDL	BDL
Total Petroleum Hydrocarbons	0.1	mg/L	1	1	0.57	0.57	0.57
TRH C6-C10 (F1)	0.02	mg/L	1	1	BDL	BDL	BDL
TRH C10 - C16 (F2)	0.05	mg/L	1	1	0.16	0.16	0.16
TRH C16 - C34 (F3)	0.1	mg/L	1	1	0.4	0.4	0.4
TRH C34 - C40 (F4)	0.1	mg/L	1	1	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	1	BDL	BDL	BDL
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Monitoring Point 34 — Dam B7 Stormwater Basin

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
pH (field)	0.01	pH units	0	4	8.18	8.675	9.14
Electrical Conductivity (field)	1	uS/cm	0	4	1847	3061.25	3570
Dissolved Oxygen (field)	0.01	mg/L	0	4	1.92	3.895	4.87
Redox (field)	0.1	mV	0	4	-118.6	-94.775	-67.1
Temperature (field)	0.1	deg c	0	4	14.2	22.99	30.1
pH (lab)	0.01	pH units	4	4	8	8.5	8.7
Electrical Conductivity (lab)	1	uS/cm	4	4	1900	2725	3400
Ammonia (as N)	0.01	mg/L	4	4	BDL	0.643333	1.4
Total Suspended Solids	1	mg/L	4	4	8	17.5	30
Total Organic Carbon	1	mg/L	4	4	7	13.5	21

Monitoring Point 35 — Dam B1 Stormwater Basin

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
pH (field)	0.01	pH units	0	4	6.84	7.9325	9.22
Electrical Conductivity (field)	1	uS/cm	0	4	746	966	1181
Dissolved Oxygen (field)	0.01	mg/L	0	4	1.32	3.5725	5.72
Redox (field)	0.1	mV	0	4	-61.8	-22.25	15.9
Temperature (field)	0.1	deg c	0	4	11.3	20.92	26.61
pH (lab)	0.01	pH units	4	4	7.3	8.075	8.9
Electrical Conductivity (lab)	1	uS/cm	4	4	800	1005	1200
Ammonia (as N)	0.01	mg/L	4	4	BDL	0.101667	0.2
Total Suspended Solids	1	mg/L	4	4	5	26.5	78
Total Organic Carbon	1	mg/L	4	4	10	17	21

Monitoring Point 36 — Dam H - Basin H

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
pH (field)	0.01	pH units	0	0	Basin H Has Not Been Constructed. And it will not part of the updated stormwater management plan		
Electrical Conductivity (field)	1	uS/cm	0	0			
Dissolved Oxygen (field)	0.01	mg/L	0	0			
Redox (field)	0.1	mV	0	0			
Temperature (field)	0.1	deg c	0	0			
pH (lab)	0.01	pH units	4	0			
Electrical Conductivity (lab)	1	uS/cm	4	0			
Ammonia (as N)	0.01	mg/L	4	0			
Total Suspended Solids	1	mg/L	4	0			
Total Organic Carbon	1	mg/L	4	0			

Monitoring Point 37 — X1 Riser

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
pH (field)	0.01	pH units	0	3	7.16	7.26	7.37
Electrical Conductivity (field)	1	uS/cm	0	3	3398	4483.33	6554
Dissolved Oxygen (field)	0.01	mg/L	0	3	0.3	1.29667	2.08
Redox (field)	0.1	mV	0	3	-26.3	-21.9	-19.4

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Temperature (field)	0.1	deg c	0	3	19.6	22.5667	25.1
Standing Leachate Level	0.1	m	1	3	20.6	22.3667	25
Approx. Leachate Elevation	0.01	m AHD	1	0	0	BDL	BDL
pH (lab)	0.1	pH units	1	3	7.3	7.4	7.5
Electrical Conductivity (lab)	1	uS/cm	4	3	1100	4033.33	7700
Ammonia(N)	0.01	mg/L	1	3	35	125	230
Chloride	1	mg/L	1	3	290	333.333	410
Sulphate (S)	1	mg/L	1	3	23	121	240
Fluoride	0.1	mg/L	1	3	0.6	0.6	0.6
Total Alkalinity as CaCO3	1	mg/L	1	3	1300	2533.33	4500
Calcium	1	mg/L	1	3	85	158.333	220
Magnesium	1	mg/L	1	3	100	123.333	140
Potassium	1	mg/L	1	3	41	59.3333	81
Sodium	1	mg/L	1	3	300	616.667	1100
Phosphate	0.1	mg/L	1	3	0.01	0.476667	1.1
Total Phosphorous	0.05	mg/L	1	3	0.58	1.19333	1.9
Total Organic Carbon	0.02	mg/L	1	3	83	327.667	660
Total Kjeldahl Nitrogen	1	mg/L	0	3	45	175	350
Nitrate (as N)	0.01	mg/L	1	3	BDL	BDL	BDL
Nitrite (as N)	0.1	mg/L	1	3	BDL	0.008	0.008
Total Dissolved Solids	5	mg/L	1	1	2000	2000	2000
Phenolics (Total)	0.05	mg/L	1	1	BDL	BDL	BDL
Hexavalent Chromium (filtered)	0.005	mg/L	1	1	BDL	BDL	BDL
Aluminium (filtered)	0.05	mg/L	1	1	0.01	0.01	0.01
Arsenic (filtered)	0.001	mg/L	1	1	0.007	0.007	0.007
Barium (filtered)	0.02	mg/L	1	1	0.47	0.47	0.47
Cadmium (filtered)	0.0002	mg/L	1	1	BDL	BDL	BDL
Chromium (filtered)	0.001	mg/L	1	1	0.005	0.005	0.005
Cobalt (filtered)	0.001	mg/L	1	1	0.002	0.002	0.002
Copper (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Lead (filtered)	0.001	mg/L	1	1	BDL	BDL	BDL
Manganese (filtered)	0.005	mg/L	1	1	1.3	1.3	1.3
Mercury (filtered)	0.0001	mg/L	1	1	BDL	BDL	BDL

Pollutant	PQL	Unit	No. required	No. collected	Lowest	Mean	Highest
Zinc (filtered)	0.005	mg/L	1	1	0.001	0.001	0.001
Benzene	0.001	mg/L	1	1	BDL	BDL	BDL
Toluene	0.001	mg/L	1	1	BDL	BDL	BDL
Ethylbenzene	0.001	mg/L	1	1	BDL	BDL	BDL
Total Xylene	0.003	mg/L	1	1	0.014	0.014	0.014
Total Petroleum Hydrocarbons	0.1	mg/L	1	1	1.2	1.2	1.2
TRH C6-C10 (F1)	0.02	mg/L	1	1	0.02	0.02	0.02
TRH C10 - C16 (F2)	0.05	mg/L	1	1	0.38	0.38	0.38
TRH C16 - C34 (F3)	0.1	mg/L	1	1	0.82	0.82	0.82
TRH C34 - C40 (F4)	0.1	mg/L	1	1	BDL	BDL	BDL
Total PAHs	0.001	mg/L	1	1	0.00028	0.00028	0.00028
Total OCPs	0.002	mg/L	1	1	BDL	BDL	BDL
Total OPPs	0.02	mg/L	1	1	BDL	BDL	BDL

Notes: 'BDL' = Below (laboratory) Detection Limit. A dash ('-') indicates no result (no discharge/sample event in the period).