

Water Monitoring Requirements:

Grab samples are required to be taken daily during any discharge event.

Location of Monitoring Points:

Monitoring Point 1: Valve controlled outlet chamber and pipeline located within sedimentation pond in north-western corner of the site (see Figure 2.1 in DOC15/0291).

Summary of Results:

Monitoring Point 1:

Pollutant	Unit of Measure	100 Percentile Concentration Limit	Lowest sample value	Highest sample value	Mean of samples	Sample Date
Oil and Grease	mg/L	10	0.00	0.00	#DIV/0!	No discharge events during this period
pH	pH	6.5 - 8.5	0.00	0.00	#DIV/0!	
Total Suspended Solids	mg/L	50	0	0	#DIV/0!	
Turbidity	mg/L	No limits apply, monitoring purposes only	0	0	#DIV/0!	
Aluminium	mg/L		0.00	0.00	#DIV/0!	
Chromium	mg/L		0.000	0.000	#DIV/0!	
Copper	mg/L		0.000	0.000	#DIV/0!	
Lead	mg/L		0.000	0.000	#DIV/0!	
Zinc	mg/L		0.000	0.000	#DIV/0!	
Ammonia	mg/L		0.00	0.00	#DIV/0!	
Nitrite	mg/L		0.00	0.00	#DIV/0!	
Nitrate	mg/L		0.00	0.00	#DIV/0!	
Nitrite + Nitrate	mg/L		0.00	0.00	#DIV/0!	
Total Kjeldahl Nitrogen	mg/L		0.0	0.0	#DIV/0!	
Total Nitrogen	mg/L		0.0	0.0	#DIV/0!	
Total Phosphorus	mg/L		0.00	0.00	#DIV/0!	
Reactive Phosphorus	mg/L		0.00	0.00	#DIV/0!	

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pH	pH	6.5 - 8.5	0.00	0.00	#DIV/0!	
Total Suspended Solids	mg/L	50	0	0	#DIV/0!	
Turbidity	mg/L	No limits apply, monitoring purposes only	0	0	#DIV/0!	
Aluminium	mg/L		0.00	0.00	#DIV/0!	
Chromium	mg/L		0.000	0.000	#DIV/0!	
Copper	mg/L		0.000	0.000	#DIV/0!	
Lead	mg/L		0.000	0.000	#DIV/0!	
Zinc	mg/L		0.000	0.000	#DIV/0!	
Ammonia	mg/L		0.00	0.00	#DIV/0!	
Nitrite	mg/L		0.00	0.00	#DIV/0!	
Nitrate	mg/L		0.00	0.00	#DIV/0!	
Nitrite + Nitrate	mg/L		0.00	0.00	#DIV/0!	
Total Kjeldahl Nitrogen	mg/L		0.0	0.0	#DIV/0!	
Total Nitrogen	mg/L		0.0	0.0	#DIV/0!	
Total Phosphorus	mg/L		0.00	0.00	#DIV/0!	
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pH	pH	6.5 - 8.5	0.00	0.00	#DIV/0!	
Total Suspended Solids	mg/L	50	0	0	#DIV/0!	
Turbidity	mg/L	No limits apply, monitoring purposes only	0	0	#DIV/0!	
Aluminium	mg/L		0.00	0.00	#DIV/0!	
Chromium	mg/L		0.000	0.000	#DIV/0!	
Copper	mg/L		0.000	0.000	#DIV/0!	
Lead	mg/L		0.000	0.000	#DIV/0!	
Zinc	mg/L		0.000	0.000	#DIV/0!	
Ammonia	mg/L		0.00	0.00	#DIV/0!	
Nitrite	mg/L		0.00	0.00	#DIV/0!	
Nitrate	mg/L		0.00	0.00	#DIV/0!	
Nitrite + Nitrate	mg/L		0.00	0.00	#DIV/0!	
Total Kjeldahl Nitrogen	mg/L		0.0	0.0	#DIV/0!	
Total Nitrogen	mg/L		0.0	0.0	#DIV/0!	
Total Phosphorus	mg/L		0.00	0.00	#DIV/0!	
Reactive Phosphorus	mg/L		0.00	0.00	#DIV/0!	

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Summary of Results:

Monitoring Point 1:

Pollutant	Unit of Measure	100 Percentile Concentration Limit	Lowest sample value	Highest sample value	Mean of samples	27/04/2025	28/04/2025
Oil and Grease	mg/L	10	0.00	0.00	#DIV/0!	<5	<5
pH	pH	6.5 - 8.5	7.53	8.30	7.92	7.53	8.3
Total Suspended Solids	mg/L	50	35	74	55	35	74
Turbidity	mg/L	No limits apply, monitoring purposes only	39	103	71	39.2	103
Aluminium	mg/L		0.02	0.05	0.04	0.02	0.05
Chromium	mg/L		0.001	0.001	0.001	0.001	0.001
Copper	mg/L		0.001	0.002	0.002	0.002	0.001
Lead	mg/L		0.000	0.000	#DIV/0!	<0.001	<0.001
Zinc	mg/L		0.007	0.007	0.007	0.007	<0.005
Ammonia	mg/L		0.04	0.16	0.10	0.16	0.04
Nitrite + Nitrate	mg/L		0.13	0.20	0.17	0.13	0.2
Total Kjeldahl Nitrogen	mg/L		1.0	1.1	1.1	1.1	1
Total Nitrogen	mg/L		1.2	1.2	1.2	1.2	1.2
Total Phosphorus	mg/L		0.04	0.14	0.09	0.04	0.14
Reactive Phosphorus	mg/L		0.02	0.03	0.03	0.02	0.03

27/04/2025 139.52mm rainfall received onsite

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Summary of Results:

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Pollutant	Unit of Measure	100 Percentile Concentration Limit	Lowest sample value	Highest sample value	Mean of samples	19/05/2025	21/05/2025	22/05/2025	23/05/2025
Oil and Grease	mg/L	10	2.50	2.50	2.50	2.5	2.5	2.5	2.5
pH	pH	6.5 - 8.5	7.16	8.48	8.19	8.48	7.16	8.83	8.27
Total Suspended Solids	mg/L	50	15.00	43	25.25	43	25	18	15
Turbidity	mg/L	No limits apply, monitoring purposes only	26.70	78	45.80	78	46.2	32.3	26.7
Aluminium	mg/L		0.02	0.02	0.04	0.02	<0.01	0.07	0.02
Chromium	mg/L		0.00	0.000	0.00	<0.001	0.001	0.002	0.001
Copper	mg/L		0.00	0.000	0.00	<0.001	0.001	0.001	0.002
Lead	mg/L		0.00	0.001	0.00	0.0005	<0.001	<0.001	<0.001
Zinc	mg/L		0.01	0.000	0.03	<0.005	0.047	<0.005	0.005
Ammonia	mg/L		0.04	0.07	0.07	0.07	0.08	0.07	0.04
Nitrite + Nitrate	mg/L		0.07	0.15	0.18	0.15	0.24	0.24	0.07
Total Kjeldahl Nitrogen	mg/L		0.80	0.9	1.00	0.9	1.3	1	0.8
Total Nitrogen	mg/L		0.90	1.0	1.15	1	1.5	1.2	0.9
Total Phosphorus	mg/L		0.02	0.07	0.06	0.07	0.1	0.04	0.02
Reactive Phosphorus	mg/L		0.01	0.02	0.02	0.02	0.03	0.01	<0.01

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pH	pH	6.5 - 8.5	0.00	0.00	#DIV/0!	
Total Suspended Solids	mg/L	50	0	0	#DIV/0!	
Turbidity	mg/L	No limits apply, monitoring purposes only	0	0	#DIV/0!	
Aluminium	mg/L		0.00	0.00	#DIV/0!	
Chromium	mg/L		0.000	0.000	#DIV/0!	
Copper	mg/L		0.000	0.000	#DIV/0!	
Lead	mg/L		0.000	0.000	#DIV/0!	
Zinc	mg/L		0.000	0.000	#DIV/0!	
Ammonia	mg/L		0.00	0.00	#DIV/0!	
Nitrite	mg/L		0.00	0.00	#DIV/0!	
Nitrate	mg/L		0.00	0.00	#DIV/0!	
Nitrite + Nitrate	mg/L		0.00	0.00	#DIV/0!	
Total Kjeldahl Nitrogen	mg/L		0.0	0.0	#DIV/0!	
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Total Suspended Solids	mg/L	50	0	0	#DIV/0!	
Turbidity	mg/L	No limits apply, monitoring purposes only	0	0	#DIV/0!	
Aluminium	mg/L		0.00	0.00	#DIV/0!	
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Copper	mg/L		0.000	0.000	#DIV/0!	
Lead	mg/L		0.000	0.000	#DIV/0!	
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Nitrate	mg/L		0.00	0.00	#DIV/0!	
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