Newcastle - 1A McIntosh Drive, Mayfield West NSW 2304

EPA Licence No: 20771

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:

Dellestant	Unit of	100 Percentile	Lowest sample	Highest	Mean of	Sample Date
Pollutant	Measure	Concentration Limit	value	sample value	samples	
Oil and Grease	mg/L	10	0.00	0.00	#DIV/0!	
pH	pН	6.5 - 8.5	0.00	0.00	#DIV/0!	
Total Suspended Solids	mg/L	50	0	0	#DIV/0!	
Turbidity	mg/L		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!	No discharge events during this
Ammonia	mg/L		0.00	0.00	#DIV/0!	period
Nitrite	mg/L		0.00	0.00	#DIV/0!	·
Nitrate	mg/L	No limits apply, monitoring	0.00	0.00	#DIV/0!	
Nitrite + Nitrate	mg/L	purposes only	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:

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!	
рН	рН	6.5 - 8.5	0.00	0.00	#DIV/0!	
Total Suspended Solids	mg/L	50	0	0	#DIV/0!	
Turbidity	mg/L		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!	No discharge events during this
Ammonia	mg/L		0.00	0.00	#DIV/0!	period
Nitrite	mg/L	No limits apply, monitoring	0.00	0.00	#DIV/0!	
Nitrate	mg/L	purposes only	0.00	0.00	#DIV/0!	
Nitrite + Nitrate	mg/L	purposes orny	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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Valve controlled outlet chamber and pipeline located within sedimentation pond in north-western corner of the site (see Figure 2.1 in DOC15/0291). Monitoring Point 1:

Summary of Results:

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!	
рН	рН	6.5 - 8.5	0.00	0.00	#DIV/0!	
Total Suspended Solids	mg/L	50	0	0	#DIV/0!	
Turbidity	mg/L		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!	No discharge events during
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!	this period
Nitrite	mg/L	No limite annly manitaring	0.00	0.00	#DIV/0!	
Nitrate	mg/L	No limits apply, monitoring purposes only	0.00	0.00	#DIV/0!	
Nitrite + Nitrate	mg/L	purposes orny	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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the site (see Figure 2.1 in DOC15/0291).

Summary of Results:

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!	
рН	рН	6.5 - 8.5	0.00	0.00	#DIV/0!	
Total Suspended Solids	mg/L	50	0	0	#DIV/0!	
Turbidity	mg/L		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!	No discharge events during this
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!	period
Nitrite	mg/L	No limits apply, monitoring	0.00	0.00	#DIV/0!	
Nitrate	mg/L	purposes only	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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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:

Pollutant	Unit of Measure	100 Percentile Concentration Limit	Lowest sample value	Highest sample value	Mean of samples	7/05/2024
Oil and Grease	mg/L	10	2.50	2.50	2.50	2.5
pH	рН	6.5 - 8.5	8.50	8.50	8.50	8.5
Total Suspended Solids	mg/L	50	9	9	9	9
Turbidity	mg/L		16	16	16	15.9
Aluminium	mg/L		0.03	0.03	0.03	0.03
Chromium	mg/L		0.002	0.002	0.002	0.002
Copper	mg/L		0.010	0.010	0.010	0.01
Lead	mg/L		0.001	0.001	0.001	0.0005
Zinc	mg/L		0.000	0.000	0.000	0.00025
Ammonia	mg/L		0.18	0.18	0.18	0.18
Nitrite + Nitrate	mg/L	No limits apply, monitoring	0.67	0.67	0.67	0.67
Total Kjeldahl Nitrogen	mg/L	purposes only	1.5	1.5	1.5	1.5
Total Nitrogen	mg/L		2.2	2.2	2.2	2.2
Total Phosphorus	mg/L		0.19	0.19	0.19	0.19
Reactive Phosphorus	mg/L		0.01	0.01	0.01	0.005

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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:

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!	
рН	рН	6.5 - 8.5	0.00	0.00	#DIV/0!	
Total Suspended Solids	mg/L	50	0	0	#DIV/0!	
Turbidity	mg/L		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!	No discharge events during this period
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	No limits apply, monitoring	0.00	0.00	#DIV/0!	
Nitrate	mg/L	purposes only	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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Location of Monitoring Points:

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the site (see Figure 2.1 in DOC15/0291).

Summary of Results:

Pollutant	Unit of Measure	100 Percentile Concentration Limit	Lowest sample value	sample	Mean of samples	Sample Date
Oil and Grease	mg/L	10	0.00	0.00	#DIV/0!	
pH	рН	6.5 - 8.5	0.00	0.00	#DIV/0!	
Total Suspended Solids	mg/L	50	0	0	#DIV/0!	
Turbidity	mg/L		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!	No discharge events during this
Ammonia	mg/L		0.00	0.00	#DIV/0!	period
Nitrite	mg/L	No limits apply, monitoring	0.00	0.00	#DIV/0!	
Nitrate	mg/L	purposes only	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:

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!	
рН	рН	6.5 - 8.5	0.00	0.00	#DIV/0!	
Total Suspended Solids	mg/L	50	0	0	#DIV/0!	
Turbidity	mg/L		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!	No discharge events during this
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!	period
Nitrite	mg/L	No limits apply, monitoring	0.00	0.00	#DIV/0!	
Nitrate	mg/L	purposes only	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:

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!	
рН	рН	6.5 - 8.5	0.00	0.00	#DIV/0!	
Total Suspended Solids	mg/L	50	0	0	#DIV/0!	
Turbidity	mg/L		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!	No discharge events during this
Zinc	mg/L		0.000	0.000	#DIV/0!	period
Ammonia	mg/L		0.00	0.00	#DIV/0!	period
Nitrite	mg/L	No limits apply, monitoring	0.00	0.00	#DIV/0!	
Nitrate	mg/L	purposes only	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:

Pollutant	Unit of Measure	100 Percentile Concentration Limit	Lowest sample value	sample	Mean of samples	Sample Date
Oil and Grease	mg/L	10	0.00	0.00	#DIV/0!	
pH	рН	6.5 - 8.5	0.00	0.00	#DIV/0!	
Total Suspended Solids	mg/L	50	0	0	#DIV/0!	
Turbidity	mg/L		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!	No discharge events during this
Ammonia	mg/L		0.00	0.00	#DIV/0!	period
Nitrite	mg/L	No limits apply, monitoring	0.00	0.00	#DIV/0!	
Nitrate	mg/L	purposes only	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:

Pollutant	Unit of Measure	100 Percentile Concentration Limit	Lowest sample value	sample	Mean of samples	Sample Date
Oil and Grease	mg/L	10	0.00	0.00	#DIV/0!	
pH	рН	6.5 - 8.5	0.00	0.00	#DIV/0!	
Total Suspended Solids	mg/L	50	0	0	#DIV/0!	
Turbidity	mg/L		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!	No discharge events during this
Ammonia	mg/L		0.00	0.00	#DIV/0!	period
Nitrite	mg/L	No limits apply, monitoring	0.00	0.00	#DIV/0!	
Nitrate	mg/L	purposes only	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:

Pollutant	Unit of Measure	100 Percentile Concentration Limit	Lowest sample value	sample	Mean of samples	Sample Date
Oil and Grease	mg/L	10	0.00	0.00	#DIV/0!	
pH	рН	6.5 - 8.5	0.00	0.00	#DIV/0!	
Total Suspended Solids	mg/L	50	0	0	#DIV/0!	
Turbidity	mg/L		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!	No discharge events during this
Ammonia	mg/L		0.00	0.00	#DIV/0!	period
Nitrite	mg/L	No limits apply, monitoring	0.00	0.00	#DIV/0!	
Nitrate	mg/L	purposes only	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!	