ENVIRONMENT PROTECTION LICENCE 3035

JULY 2018 Surface Water Quality Monitoring

LIMITS

ANALYTE	Aldrin	BOD	Colour	Dieldrin	MBAS	Total N	Oil & Grease	pH	Total P	TSS
Units	µg/L	mg/L	Hazen	µg/L	mg/L	mg/L	mg/L	pH	mg/L	mg/L
100 percentile concentration limit	0.3	20	160	0.3	0.5	10	10	6.5 - 8.5	0.3	50
50 percentile concentration limit			80							
Frequency of Sampling	Weekly during any discharge									
Location of Sampling	V-Notch Weir Identification Point No. 1									

RESULTS

Date	Aldrin	BOD	Colour	Dieldrin	MBAS	Total N	Oil & Grease	pH	Total P	TSS	Exceedance Y/N
04-JUL	<0.01	104	400	<0.01	1.2	13.6	26	7.86	0.2	58	Y
11-JUL	<0.01	90	500	<0.01	2.8	10.3	15	7.62	0.26	28	Y
25-JUL	<0.01	52	400	<0.01	1.2	10	17	7.28	0.18	27	Y

EXCEEDANCES

Date	Location	Type of monitoring (air, noise, surface/groundwater)	Event based monitoring (Y/N)	Parameter	Unit of measurement	Result	Allowable limit	Comment
04-JUL	Point No. 1	Surface water	Y	TSS	mg/L	58	50	Significant rain event (25mm) 28-29 June, extended dry period previous to this event Stormwater treatment basin valve closed to cease off site discharge Site wide inspection of stormwater system
04-JUL	Point No. 1	Surface water	Y	Colour	Hazen	400	160	See comment above
04-JUL	Point No. 1	Surface water	Y	Total N	mg/L	13.6	10	See comment above
04-JUL	Point No. 1	Surface water	Y	Oil & Grease	mg/L	26	10	See comment above
04-JUL	Point No. 1	Surface water	Y	BOD	mg/L	104	20	See comment above
04-JUL	Point No. 1	Surface water	Y	MBAS	mg/L	1.2	0.5	Increase in exceedance from previous results (20/06/18) Site investigation commenced to determine source of pollutant
11-JUL	Point No. 1	Surface water	Y	Colour	Hazen	500	160	Stormwater treatment basin valve closed, ceased off site discharge Decomposing organic matter potential source of pollutant
11-JUL	Point No. 1	Surface water	Y	Total N	mg/L	10.3	10	Minor exceedance of 0.3mg/L
11-JUL	Point No. 1	Surface water	Y	Oil & Grease	mg/L	15	10	Site investigations found no evidence of hydrocarbon spills
11-JUL	Point No. 1	Surface water	Y	BOD	mg/L	90	20	Decomposing organic matter potential source of pollutant
11-JUL	Point No. 1	Surface water	Y	MBAS	mg/L	2.8	0.5	Truck wash detergent likely contributor to exceedance Activity prohibited on site until suitable alternative identified
25-JUL	Point No. 1	Surface water	Y	Colour	Hazen	400	160	Improvement in exceedance level from previous results (11/07/18) Decomposing organic matter potential source of pollutant
25-JUL	Point No. 1	Surface water	Y	Oil & Grease	mg/L	17	10	Pine resin potential source of pollutant
25-JUL	Point No. 1	Surface water	Y	BOD	mg/L	52	20	Decomposing organic matter potential source of pollutant
25-JUL	Point No. 1	Surface water	Y	MBAS	mg/L	1.2	0.5	Reduction in exceedance level from previous results (11/07/18)