

SUMMARY OF LICENCE MONITORING REQUIREMENTS

EPL 1098

	Type of Monitoring/ Discharge Point	Location of Monitoring	Monitoring			Monitoring Frequency and Sampling Method	Compliance this period/Results	Test Date
			Pollutant	Unit	Limit			
			Monitoring point 3 Discharge Point 2	Monitoring effluent volume	Flow meter in irrigation line to utilisation area.			
Monitoring Point 4 Discharge Point 2	Monitoring effluent quality	Tap in irrigation line to utilisation area.	Copper (Dissolved)	mg/L	2.0	Monthly	Yes - 0.195 mg/L	28 December 2018
			Oil and Grease	mg/L	10	Monthly	Yes < 5mg/L	
Monitoring Point 1	Opacity	Stack serving shaft furnace	Solid particles	% Opacity	20	Continuous In-line instrumentation	Average:	Plant Closed Nov 2014
							Max:	
							Min:	
-		Afterburner temperature when melting oil contaminated copper	Afterburner temperature	Degrees Celsius (°C)	>760	Continuous		Plant Closed Nov 2014

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EPA I.D. #	Type of Monitoring/ Discharge Point	Location of Monitoring	Monitoring			Results	Monitoring Frequency	
			Pollutant	Units of measure	100 percentile concentration limit			
Monitoring Point 5	Air Concentration limits	SVE Plant Stack	Perchloroethylene	mg/m ³	19	<0.037	04/05/2016	YES
			1,2-Dichloroethylene	mg/m ³	11	<0.022	04/05/2016	YES
			Chloroform	mg/m ³	14	<0.027	04/05/2016	YES
			Trichloroethylene	mg/m ³	59	<0.029	04/05/2016	YES
			Vinyl chloride	mg/m ³	7	0.017	04/05/2016	YES
			Volatile organic compounds an n-propane equivalent	mg/m ³	20	0.44	04/05/2016	YES

SVE PLANT SHUTDOWN 12/5/2016

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			Pollutant	Unit	Limit			
			Monitoring point 3 Discharge Point 2	Monitoring effluent volume	Flow meter in irrigation line to utilisation area.			
Monitoring Point 4 Discharge Point 2	Monitoring effluent quality	Tap in irrigation line to utilisation area.	Copper (Dissolved)	mg/L	2.0	Monthly	Yes - 0.149 mg/L	28 November 2018
			Oil and Grease	mg/L	10	Monthly	Yes < 5mg/L	
Monitoring Point 1	Opacity	Stack serving shaft furnace	Solid particles	% Opacity	20	Continuous In-line instrumentation	Average:	Plant Closed Nov 2014
							Max:	
							Min:	
-		Afterburner temperature when melting oil contaminated copper	Afterburner temperature	Degrees Celsius (°C)	>760	Continuous		Plant Closed Nov 2014

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			1,2-Dichloroethylene	mg/m ³	11	<0.022	04/05/2016	YES
			Chloroform	mg/m ³	14	<0.027	04/05/2016	YES
			Trichloroethylene	mg/m ³	59	<0.029	04/05/2016	YES
			Vinyl chloride	mg/m ³	7	0.017	04/05/2016	YES
			Volatile organic compounds an n-propane equivalent	mg/m ³	20	0.44	04/05/2016	YES

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			Pollutant	Unit	Limit			
			Monitoring point 3 Discharge Point 2	Monitoring effluent volume	Flow meter in irrigation line to utilisation area.			
Monitoring Point 4 Discharge Point 2	Monitoring effluent quality	Tap in irrigation line to utilisation area.	Copper (Dissolved)	mg/L	2.0	Monthly	Yes - 0.125 mg/L	26 October 2018
			Oil and Grease	mg/L	10	Monthly	Yes < 5mg/L	
Monitoring Point 1	Opacity	Stack serving shaft furnace	Solid particles	% Opacity	20	Continuous In-line instrumentation	Average:	Plant Closed Nov 2014
							Max:	
							Min:	
-		Afterburner temperature when melting oil contaminated copper	Afterburner temperature	Degrees Celsius (°C)	>760	Continuous		Plant Closed Nov 2014

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			Pollutant	Units of measure	100 percentile concentration limit			
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			1,2-Dichloroethylene	mg/m ³	11	<0.022	04/05/2016	YES
			Chloroform	mg/m ³	14	<0.027	04/05/2016	YES
			Trichloroethylene	mg/m ³	59	<0.029	04/05/2016	YES
			Vinyl chloride	mg/m ³	7	0.017	04/05/2016	YES
			Volatile organic compounds an n-propane equivalent	mg/m ³	20	0.44	04/05/2016	YES

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			Pollutant	Unit	Limit			
Monitoring point 3 Discharge Point 2	Monitoring effluent volume	Flow meter in irrigation line to utilisation area.	N/A	kL/day	50	Continuous	Yes <50kL/day	September 2018
Monitoring Point 4 Discharge Point 2	Monitoring effluent quality	Tap in irrigation line to utilisation area.	Copper (Total)	mg/L	2.0	Monthly	Yes - 0.177 mg/L	27 September 2018
			Oil and Grease	mg/L	10	Monthly	Yes < 5mg/L	
Monitoring Point 1	Opacity	Stack serving shaft furnace	Solid particles	% Opacity	20	Continuous In-line instrumentation	Average:	Plant Closed Nov 2014
							Max:	
							Min:	
-		Afterburner temperature when melting oil contaminated copper	Afterburner temperature	Degrees Celsius (°C)	>760	Continuous		Plant Closed Nov 2014

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			Pollutant	Units of measure	100 percentile concentration limit			
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			1,2-Dichloroethylene	mg/m ³	11	<0.022	04/05/2016	YES
			Chloroform	mg/m ³	14	<0.027	04/05/2016	YES
			Trichloroethylene	mg/m ³	59	<0.029	04/05/2016	YES
			Vinyl chloride	mg/m ³	7	0.017	04/05/2016	YES
			Volatile organic compounds an n-propane equivalent	mg/m ³	20	0.44	04/05/2016	YES

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			Pollutant	Unit	Limit			
Monitoring point 3 Discharge Point 2	Monitoring effluent volume	Flow meter in irrigation line to utilisation area.	N/A	kL/day	50	Continuous	Yes <50kL/day	August 2018
Monitoring Point 4 Discharge Point 2	Monitoring effluent quality	Tap in irrigation line to utilisation area.	Copper (dissolved)	mg/L	2.0	Monthly	Yes - 0.16 mg/L	27 August 2018
			Oil and Grease	mg/L	10	Monthly	Yes < 5mg/L	
Monitoring Point 1	Opacity	Stack serving shaft furnace	Solid particles	% Opacity	20	Continuous In-line instrumentation	Average:	Plant Closed Nov 2014
							Max:	
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-		Afterburner temperature when melting oil contaminated copper	Afterburner temperature	Degrees Celsius (°C)	>760	Continuous		Plant Closed Nov 2014

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			1,2-Dichloroethylene	mg/m ³	11	<0.022	04/05/2016	YES
			Chloroform	mg/m ³	14	<0.027	04/05/2016	YES
			Trichloroethylene	mg/m ³	59	<0.029	04/05/2016	YES
			Vinyl chloride	mg/m ³	7	0.017	04/05/2016	YES
			Volatile organic compounds an n-propane equivalent	mg/m ³	20	0.44	04/05/2016	YES

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			Pollutant	Unit	Limit			
Monitoring point 3 Discharge Point 2	Monitoring effluent volume	Flow meter in irrigation line to utilisation area.	N/A	kL/day	50	Continuous	Yes <50kL/day	July 2018
Monitoring Point 4 Discharge Point 2	Monitoring effluent quality	Tap in irrigation line to utilisation area.	Copper (dissolved)	mg/L	2.0	Monthly	Yes - 0.389 mg/L	25 July 2018
			Oil and Grease	mg/L	10	Monthly	Yes 5mg/L	
Monitoring Point 1	Opacity	Stack serving shaft furnace	Solid particles	% Opacity	20	Continuous In-line instrumentation	Average:	Plant Closed Nov 2014
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			Trichloroethylene	mg/m ³	59	<0.029	04/05/2016	YES
			Vinyl chloride	mg/m ³	7	0.017	04/05/2016	YES
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Monitoring point 3 Discharge Point 2	Monitoring effluent volume	Flow meter in irrigation line to utilisation area.	N/A	kL/day	50	Continuous	Yes <50kL/day	June 2018
Monitoring Point 4 Discharge Point 2	Monitoring effluent quality	Tap in irrigation line to utilisation area.	Copper (dissolved)	mg/L	2.0	Monthly	Yes - 0.318 mg/L	27 June 2018
			Oil and Grease	mg/L	10	Monthly	Yes <5mg/L	
Monitoring Point 1	Opacity	Stack serving shaft furnace	Solid particles	% Opacity	20	Continuous In-line instrumentation	Average:	Plant Closed Nov 2014
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