

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 - 0.049 mg/L	27 July 2020
			Oil and Grease	mg/L	10	Monthly	Yes <5 mg/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 - 0.032 mg/L	29 June 2020
			Oil and Grease	mg/L	10	Monthly	Yes <5 mg/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			
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

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	Type of	Location of	Monitoring	Monitoring	Compliance	Test Date
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	Monitoring/ Discharge Point	Monitoring				Frequency and Sampling Method	this period/Results	
			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	May 2020
Monitoring Point 4 Discharge Point 2	Monitoring effluent quality	Tap in irrigation line to utilisation area.	Copper (Dissolved)	mg/L	2.0	Monthly	Yes - 0.031 mg/L	25 May 2020
			Oil and Grease	mg/L	10	Monthly	Yes <5 mg/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			
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

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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 - 0.117 mg/L	24 April 2020
			Oil and Grease	mg/L	10	Monthly	Yes <5 mg/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			
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

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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 - 0.026 mg/L	26 March 2020
			Oil and Grease	mg/L	10	Monthly	Yes <5 mg/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			
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

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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 - 0.037 mg/L	20 February 2020
			Oil and Grease	mg/L	10	Monthly	Yes <5 mg/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			
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

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	Type of	Location of	Monitoring	Monitoring	Compliance	Test Date
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	Monitoring/ Discharge Point	Monitoring				Frequency and Sampling Method	this period/Results	
			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	January 2020
Monitoring Point 4 Discharge Point 2	Monitoring effluent quality	Tap in irrigation line to utilisation area.	Copper (Dissolved)	mg/L	2.0	Monthly	Yes - 0.254 mg/L	23 January 2020
			Oil and Grease	mg/L	10	Monthly	Yes <5 mg/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			
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

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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 - 0.183 mg/L	20 December 2019
			Oil and Grease	mg/L	10	Monthly	Yes <5 mg/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			
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

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	Monitoring/ Discharge Point	Monitoring				Frequency and Sampling Method	this period/Results	
			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	November 2019
Monitoring Point 4 Discharge Point 2	Monitoring effluent quality	Tap in irrigation line to utilisation area.	Copper (Dissolved)	mg/L	2.0	Monthly	Yes - 0.174 mg/L	21 November 2019
			Oil and Grease	mg/L	10	Monthly	Yes <5 mg/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			
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

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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 - 0.167 mg/L	23 October 2019
			Oil and Grease	mg/L	10	Monthly	Yes <5 mg/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			
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

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			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 (Total)	mg/L	2.0	Monthly	Yes - 0.281 mg/L	23 Sept 2019
			Oil and Grease	mg/L	10	Monthly	Yes <5 mg/L	
Monitoring Point 1	Opacity	Stack serving shaft furnace	Solid particles	% Opacity	20	Continuous In-line instrumentation	Average:	Plant Closed Nov 2014
							Max:	
							Min:	
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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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			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 (Total)	mg/L	2.0	Monthly	Yes - 0.602 mg/L	23 August 2019
			Oil and Grease	mg/L	10	Monthly	Yes 6 mg/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			
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

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