

Attachment I.3 Assessment of Impact of Sewage Discharge.

Existing Conditions

Floor wash water from the Materials Recovery building, wash water from the vehicle cleaning area and run off from hard-standing associated with waste handling, storage and processing discharges to the foul sewer serving the Business Park via a silt trap and oil interceptor.

Rainwater run-off from the building roofs, car parks and areas of the yard where waste were not stored used to discharge to the municipal storm water sewer; however due to problems in the storm sewer serving the Business Park SEHL has temporarily diverted the run-off to the foul sewer.

Assessment of Impacts

Schedule D of the Licence requires the sampling of the wastewater discharge (recovered wastes storage bay floor wash downs and vehicle wash) to the municipal sewer. The wastewater sampling is carried out bi-monthly at location SE-1, which is shown on Drawing No. 001 in Attachment E.

The results of the monitoring completed in 2016 are presented in the table below which includes the emission limit values (ELV) set in the licence. The results confirm 100% compliance with the ELVs.

Parameter	Units	Apr 2016	June 2016	Aug 2016	Oct 2016	Dec 2016	Emission Limit
pH	pH Units	8.26	6.16	6.9	6.15	7.53	6 – 10
Temperature	mS/cm	10.9	11.8	11.8	10.6	8.3	42
Electrical Conductivity	°C	789	659	698	859	923	-
Ammoniacal Nitrogen	mg/l	41.6	22.1	38.9	28.1	54.4	100
BOD	mg/l	73	589	1,880	745	174	6,000
COD	mg/l	234	1,260	1,550	1,150	301	12,000
Total Suspended Solids	mg/l	412	438	272	796	152	2,500
Oils, Fats & Greases	mg/l	17.2	61.1	28.6	14.9	17.0	100
Phosphorous	mg/l	<0.6	2.6	7.0	58.4	1.8	100
Surfactants	mg/l	0.22	0.88	0.53	0.46	<0.21	100
Sulphate	mg/l	57	14.14	8.59	25.6	54.4	1,000

Compliance with Article 15 of the IED Directive.

The current licence has set emission limit values on the wastewater. SEHL carries out the routine monitoring of the wastewater specified in the licence. The results, which are submitted to the Agency, confirm that the wastewater meets the ELVs, which guarantees that an appropriate level of protection of the environment is provided and the treatment does not lead to higher levels of pollution in the environment.

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