

The current drainage system is shown on Drawing No 21-138-17-01 in the Operational Report. The southern part of the site was constructed in 2004 and involved the construction of the processing building (MP1 and MP2) and yards in the southern part of the site.

The storm water drainage system was designed to direct run-off to the attenuation system serving the entire Millennium Park, with the additional provision of on-site storm water attenuation measures, comprising an underground storage tank that in addition to controlling the flow rate would also provide 'grey water'.

Rainwater run-off from building roofs and open areas where waste are not stored was discharge to the storm sewer serving the Business Park. Run-off from the area where vehicles are refuelled passes through a silt trap and Class I Oil interceptor. Run-off from open areas where waste are stored was directed to the foul water sewer serving the Business Park.

In 2013, contamination was detected in the storm water discharge. As part of the investigation SEHL contacted the Millennium Business Park Management Company which is responsible for maintaining the storm and foul water drainage systems serving the Business Park. The Management Company informed SEHL there was a problem with the flow in the sewer system serving the Business Park, which was causing back flow into the facility resulting in contamination at the monitoring locations.

Responsibility for addressing the drainage problems rests with the Management Company and, pending the resolution, the surface water run-off from the site was diverted to the foul sewer. Therefore there are currently no emissions to surface water.

In 2022 planning permission was granted for the installation of additional storm water attenuation capacity. The drainage system designed in accordance with the principles of Sustainable Urban Drainage Systems (SuDS). An attenuation tank designed to store a 1:100 year storm event will be installed. It will have a 2,391m³ storage capacity, which includes a 10% allowance for climate change. The greenfield run-off rate for the site is 6.36 litres/second (l/s) and the out flow from the tank will be restricted to this rate.

A silt trap and full retention interceptor will be installed up stream of the attenuation tank. The outfall from the tank will connect to the a silt trap and existing 900mm surface water drainage pipe at the eastern entrance of the site, once the drainage issues in the Business Park have been resolved. Pending this the run-off will continue to be discharged to the foul sewer.