

ENVIRONMENTAL TECHNOLOGY

CHEVRON LUBRICANTS - GHENT Sewerage redevelopment, construction purification infrastructure, renovation site

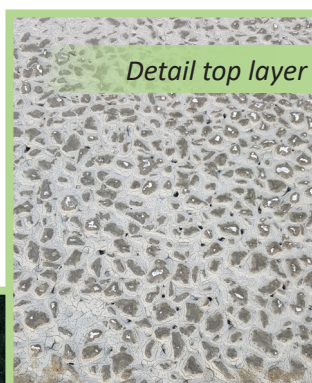
The Ghent Blending Plant of Chevron Lubricants is located in the Panterschipstraat in Ghent, a former Shell site. At this site other companies as Argos Oil Belgium Depots and CRI Catalyst Company Belgium are located, next to Chevron. These companies use the same infrastructures such as a waste water treatment plant, sewerage, fire extinguishing systems,...

Until August 2016, Chevron treated and discharged its waste waters through this common treatment plant.

Chevron developed a strong intention to become independent from the common waste water infrastructure.

As such Trevi was asked to perform a feasibility study and a sewerage analysis. The next step was to design the required techniques, sewerage and infrastructure works for an independent discharge.

For Chevron it was important to choose a partner who could offer an A to Z - solution. Someone who could complete the trajectory from study to engineering to erection.



Realization of 4000 m³ of asphalt with oil-resistant top layer

The activities included:

- the demolition of the existing infrastructure
- the installation of a separate sewerage system
- renewal of all roads
- new fire extinguishing network
- the erection of the waste water treatment infrastructure

This waste water treatment infrastructure consists of a infiltration zone, sand trap, hydrocarbon separator, pump sump and discharge device.

The complexity of this project was determined by a number of elements. For example, a phased erection was required in the first place to avoid hinderance of the production activities. The complicated existing underground situation also created an extra level of difficulty in which the continuity of all functions had to be ensured at all times.



Connection of existing discharge points to the new sewer infrastructure

	Rain water	Waste Water
Connected surface m ²	4 095	18 170
Peak flow m ³ /h	170	730
Treatment	Infiltration	Hydrocarbon separator



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