Rotary Kiln
R-03-02 / MONT ST MARTIN

THERMAL DESORPTION OF 1,100 TONS OF CONTAMINATED SOIL COMING FROM THE MONT ST MARTIN GASWORK SITE BY MEANS OF A MOBILE UNIT LOCATED IN HOMÉCOURT (FRANCE).

Context

The site was a previous cokeswork, which will be reaffected into small business area. The cokesworks were owned and operated by USINOR (Group ARCELOR), and the company decided to clean-up the site before reusing it through the local community. The contaminated soils held average PAH concentrations in excess of 12,000 ppm (with max concentrations up to 18,000 ppm).

Equipment

The project was done with the mobile DRAGON 35 unit, in a hot plant set-up. Stack tests were regularly performed and were supervised by the DRIRE and an external independent consultant working directly for the client (Arcelor). The unit was equipped with Continuous Emissions Monitoring systems.

Treatment/Clean Up Targets

Clean-up targets for clean soil were set at 20 ppm total PAH (16 EPA).
All clean soils were under the clean-up target after treatment.

Key facts

Contaminants
PAH

Max. Concentration
9000

Volume
688

Tonnage
1100

Number of Heating Tubes

Temperature Target

Heating duration

Treatment Targets
<20

Location

Future Use

Client

Partner

Consultant

This project was designed and executed by the current Haemers technology team, when they worked within the legal entity L&C SA (formerly Deep Green SA), which belongs to the Haemers technologies group.