Rotary Kiln
R-02-02 / HOMECOURT

ON SITE THERMAL DESORPTION OF A PAH CONTAMINATED COKESWORK SITE IN HOMECOURT (FRANCE)

Context

Thermal desorption of 21,000 tons of contaminated soil coming from the Homecourt gaswork site by means of a mobile unit.

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 PAH concentrations in excess of 9,000 ppm with average concentrations at 3,200 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
13125

Tonnage
21000

Number of Heating Tubes

Temperature Target

Heating duration

Treatment Targets
<20

Location

Future Use

Client

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