

# Rotary Kiln

## R-02-03 / ROMBAS

ON SITE THERMAL DESORPTION OF A PAH CONTAMINATED  
COKEWORK SITE FROM ROMBAS (FRANCE)

### Context

Thermal desorption of 700 tons of contaminated soil coming from the Rombas gaswork site by means of a mobile unit located in Homécourt (France). The site was a previous cokeswork, which will be reaffected into a 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 14,000 ppm with average concentrations at 7,800 ppm.

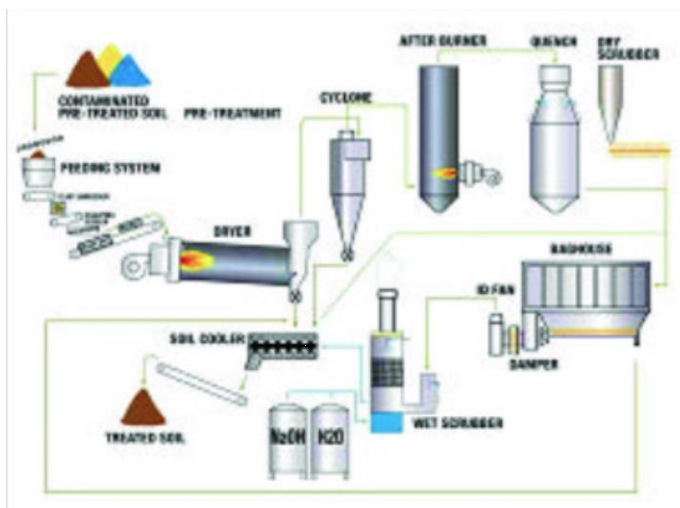


### Equipment

The project was done with the mobile DRAGON 35 unit, in a hot plant set-up, located in Homécourt (France). 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

14.000

### Volume

438

### Tonnage

700

### Number of Heating Tubes

### Temperature Target

### Heating duration

### Treatment Targets

<20

### Location

### Future Use

### Client

### Partner

### Consultant

### Date

2002

