

# Rotary Kiln R-05-01 / AVILES

## Context

The clean-up site was formerly used by Aceralia (Steel plant) in Avilès and the soil to treat came from the various locations within the steel factory that generated contaminated soil. The clean-up was funded by the Infoinvest (Spanish Governmental agency in charge of industrial redevelopment of contaminated sites). The soil was already excavated by the client. Deep Green has contracted the sieving and the thermal desorption part of the contract for the PCB and PAH contaminated soil.



## Equipment

The project started with a DRAGON 35 unit. Stack tests were successfully performed on the unit. The unit was equipped with continuous emissions monitoring.

## Treatment/Clean Up Targets

The soil to treat had PCB concentrations varying from 35ppm up to 380 ppm. PAH content was moderate at an average of 2,450 ppm. Clean-up levels were set at 3 ppm total PCB and 20 ppm Total PAH. All clean-up standards for clean soil were met.



## Key facts

### Contaminants

PCB

### Max. Concentration

2450

### Volume

1688

### Tonnage

2700

### Number of Heating Tubes

### Temperature Target

### Heating duration

### Treatment Targets

<20

### Location

### Future Use

### Client

### Consultant

