

# ROTARY KILN/ R-02-04

## CAMP MURRAY

### Context

Low Temperature Thermal Desorption of TPH contaminated soil from Camp Murray at a fixed facility in Tacoma (WA).

### Equipment

Contaminated soils were processed by a counter flow, direct fired LTDU (Low Temperature Desorption Unit) with nominal capacity of 35 tons (US) per hour. The equipment train included a pre-screener, belt scale conveyor, rotary dryer, fabric filter baghouse, thermal oxidizer, soil moisturizer, and stacker. Natural Gas and recycled oil were used as process fuel.

### Treatment Target

The soil to be treated contained TPH concentrations up to 15,000 ppm. All soils were cleaned down to a-less than 50 ppm TPH. Air emissions were in accordance with the local air permit conditions (air permit is available on [www.deepgreen.com](http://www.deepgreen.com) in the Permit section).

## Key words

Contaminants  
TPH

Max. concentration  
14.000

Volume  
19.375

Tonnage  
31.000

Nb of heating tubes  
/

Temperature Target  
/

Heating duration  
/

Treatment targets  
<50

Location  
Tacoma - USA (WA)

Future Use  
Military

Client  
Wash. State Mil. Dpt.

Partner  
/

Consultant  
/

Date  
2002