

ISTD/ I-15-02 PORTSMOUTH (U.K.)

Context & Project Description

The site is located at H&S AVIATION AIRPORT SERVICE ROAD HILSEA PORTSMOUTH PO3 5PJ, on a former aviation site.. The project is made on a 243m² heating zone (6m depth) with 7 gas burners and 14 heating pipes. Soil was impacted by Chlorinated Solvents and Kerosene. The site plan is presented on Figure 1. Figure 2 shows the evolution of recovered contaminants through out treatment time.

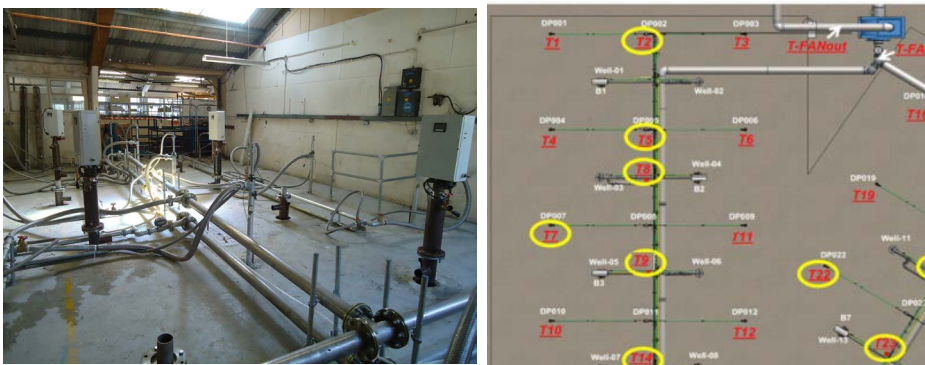


Figure 1. Site plan with thermocouples location

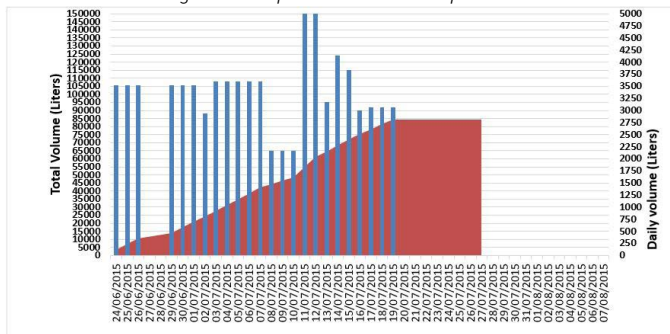


Figure 2. Recovered products graph

Conclusion

Figure 3 shows the temperature's curve through out treatment process. Contaminants' concentration after treatment was of <1mg/kg DM. All remediation objectives were achieved.

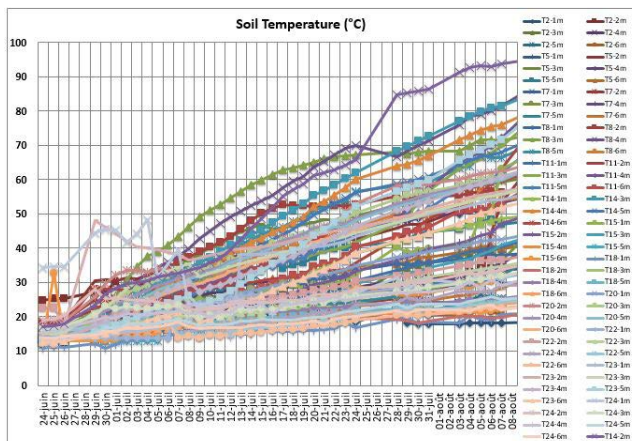


Figure 3. Soil's Temperature Curve

Key words

Contaminants
VOCL

Max. concentration
1.700mg/kg DM

Volume
1.300 m³

Tonnage
2.340 Tons

Nb of heating tubes
14

Temperature Target
100°C

Heating duration
42 days

Treatment targets
<10

Location
Portsmouth - United Kingdom

Future Use
Industrial

Client
ERM

Partner
CELTIC

Consultant
ERM

Date
2015