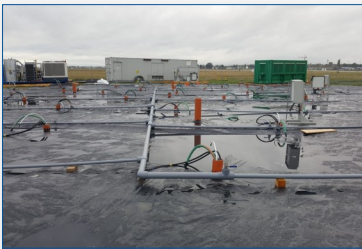


Case Study



ERH Field



ERH Field



ERH Installation



Cornelsen Condensing System

First Electrical Resistance Heating in Germany Former Military Maintenance Site

Client: US Army Corps of Engineers/Wood E&IS GmbH

Location: Germany

Contaminants: TCE

Objectives

Reduce TCE in source area groundwater

Site Characteristics

- ◆ Treatment volume: 11.100 m³
- ◆ Baseline TCE concentrations ranged from 116 to 9.980 µg/L
- ◆ Former military maintenance area near airport runway

OPERATIONS

- ◆ Total run time: 161 days
- ◆ 57 electrodes with co-located vapor recovery points

RESULTS

- ◆ Post remediation TCE concentrations ranged from 7.0 – 79 µg/L
- ◆ Average TCE reduction of 99%

CHALLENGES

- ◆ Covid 19 lock downs & complex travel restrictions

Figure 8. Average Temperature by Depth

