



## Remediation of contaminated site T5 T5 Rum roofing felt factory

### Data and facts

|           |                                                        |
|-----------|--------------------------------------------------------|
| Company   | PORR Umwelttechnik GmbH in a consortium                |
| Type      | Remediation of contaminated sites                      |
| Runtime   | 11.2011 - 04.2014                                      |
| Principal | Bundesaltlastensanierungsgesellschaft-mbH (BALSA GmbH) |

[Project report online](#)

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# Umfangreiche Dekontaminierung samt Pilotversuch

The facility installed in a hall includes the operation of the remediation system for a total of ten years (until 2022). A thermal in-situ method including a successful five-month pilot trial employing a hot water flushing system was implemented in order to remediate those areas that could not be reached by means of large bores. For the purpose of said trial, a trial field with three extraction and infiltration wells as well as 13 additional temperature measurement gauges was installed. A total of 10.8m<sup>3</sup> of ground water were extracted per hour, treated by means of sand and carbon filtration and heated to a temperature of up to 70°C. The heated water was infiltrated to make the contaminated soil heat up to a temperature of up to 50°C. The pollutants' mobility was thus increased in such a way that they could be removed via the extraction wells.

- Earth excavated: 12,100t
- Residual material: 85,500t
- Tar oil: some 300l
- Re-filling: 130,000t of A2 / A2G material
- Construction waste: 17,300t
- Non-disposable: 28,500t
- Selective, open removal: 23,400m<sup>3</sup>
- Demolition work: some 5,000m<sup>3</sup>

## Impressions



## Image notes

1

Remediation of contaminated site T5 Rum roofing felt factory.

The project required the use of heavy machinery.

2

Remediation of contaminated site T5 Rum roofing felt factory.

Heavy contamination was removed from the premises of the Rum roofing felt factory.

Do you have questions about the project or would you like to learn more? Feel free to contact us for further information.

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