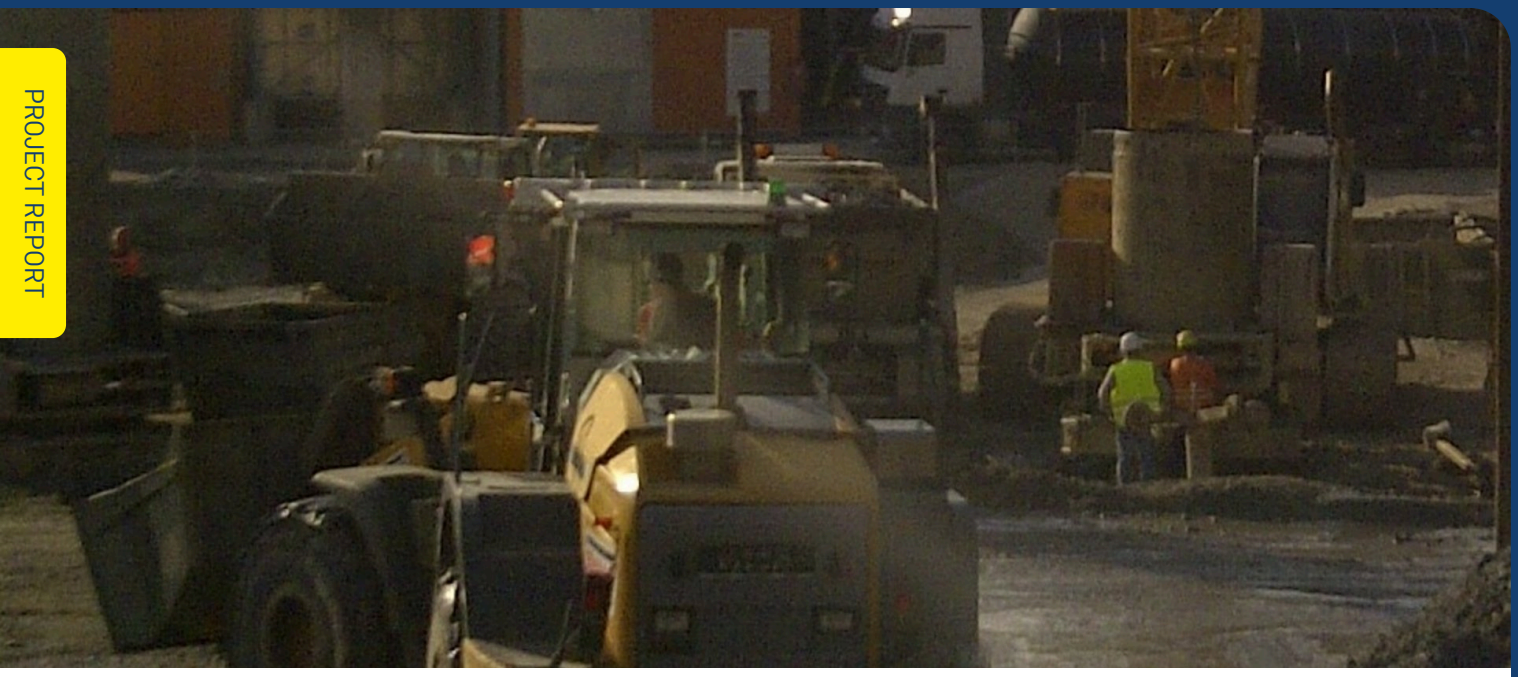
PROJECT REPORT



# 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**

**www.put.at**

## 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 10.8m³ 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: 23,400m³
- Demolition work: some 5,000m³

# Impressions

# Image notes

1 **Remediation of contaminated site T5 Rum roofing felt factory.**

The project required the use of heavy machinery.

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2 **Remediation of contaminated site T5 Rum roofing felt factory.**

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

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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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