

REFERENCE

Consultancy services for the risk assessment / analysis of the deficits, location VEM Sachsenwerk GmbH in Dresden-Niedersedlitz (former Saxon factory premises)

Inducement:

Reason of these activities for risk assessment / analysis of the deficits are the requirements of the independent consulting assessment for the activities carried out on the site VEM Sachsenwerk with the objective of achieving a defined conclusion of the risk prevention measures within the national soil regulations under consideration of proportionality criteria.

Project Objective:

In context of the new risk assessment it was to evaluate the carried out measures in the several remediation areas and to conclude the results of the remediation activities or/and toleration of the damages that had been left. Following these consultancy services it is to be determined, whether and when the conclusion of measures within the national soil regulation can be professionally approved or/and which further needs for investigation and remediation still exist.

Client: VEM Vermögensverwaltungs GmbH

Project Team: Dr. P. Schneider, Dipl.-Geol. M. Schaffrath, Dipl.-Geol. B. Tunger

Budget: 30.000 €

Project duration: 2005 - 2009

Conceptual site model and risk facts

The subject of the evaluation is the area of the former Saxon factory premises, on which four groundwater impairments are respectively were situated. Within the risk assessment the contaminants typical for the industrial area used for the long period like LHKW, MKW and partly BTEX and MCH were found. In the further groundwater downstream is the main receiving stream Elbe which is a public protective good. Because of the industrial use there are/were a lot of pollutant sources which caused a pollutant transport through the unsaturated soil into the ground water. On the basis of the remediation concepts from 1998 intervention measures in a form of a hydraulic remediation with further water treatment were preformed. The groundwater purification measures in the remediated zone 1 have been completed.

Within the overall remediation concept for purification of groundwater, soil air and soil the remediation measures will be carried out in the stationary treatment plant. The water treated by the

active coal will be induced in the next run-off capacity (Lockwitzbach). The restoration success has since reached a differentiated state. In several remediated areas the active system operation has been successfully finalized. In further areas the target values are still not fully achieved.

Site situation:

