

Information of the public according to § 8 a Abs. 1 of the 12th BImSchV (As of: 1. January 2023)

1. Address

AUREC Gesellschaft für Abfallverwertung und Recycling mbH
Kustrenaer Weg 1 c
06406 Bernburg, Germany

2. Confirmation

AUREC Gesellschaft für Abfallverwertung und Recycling mbH hereby confirms that it is subject to the 12th BImSchV within the scope of its operations at the above location.
The information to be reported to the competent authority in accordance with § 7 12. BImSchV is submitted to the authority as part of an approval process.

3. Fields of activity

The purpose of the operation of the AUREC Gesellschaft für Abfallverwertung und Recycling mbH is the production of suitable mining backfill materials. This is essentially done with mineral waste that is conditioned in a mixing plant. The final mining backfill material is handed over directly to K+S Minerals and Agriculture GmbH as the mine operator via a conveyor belt at the Bernburg site builds cavities. The aim of the associated backfilling of the very large underground cavities is to stabilize the geological layers in order to avoid subsidence damage and subsidence phenomena on the surface in the long term.
Mining backfill materials are produced from ashes, dust, minerals, sludge and the addition of water through mechanical and chemical conditioning and are used underground by backfilling.
Various recipes for the recycling of waste materials are being developed with a specialist laboratory and experts involved. As a result of the recipe development, the building physics and occupational hygiene requirements for underground use are met. The recipes are officially approved.

4. Dangerous substances

The following list of examples provides an overview of non-mining waste materials used as starting material for the production of mining backfill materials, which are officially approved:

- filter dust (EWC 19 01 13*)
- solid reaction products from flue gas cleaning (EWC 19 01 07*)
- sludge from waste water treatment (EWC 06 05 02*, 10 01 20*)
- soil (EWC 17 05 03*)
- filter cake (EWC 11 01 09*, EWC 19 01 05*)
- rust and boiler ash (EWC 19 01 11*)

The consistency of the delivered waste is dusty or pourable. The ones listed above

Waste mainly contains pollutants from the area of heavy metals and PCBs, which lead to classification as hazardous waste.

This includes the parameters listed as examples:

antimony	chrome	silver	ammonium
arsenic	cobalt	thallium	boron
beryllium	copper	zinc	cyanide
lead	manganese	tin	PAH/PCB
cadmium	nickel	mercury	PCDD

The pollutants mentioned can be contact and respiratory toxic and classified as carcinogenic. In principle, both the waste materials and the finished mining backfill material are classified as corrosive and hazardous to water.

5. Information of the public

In the event of an incident, the public can be warned via radio and, if necessary, police announcements from a police car.

6. On-site inspection

On August 11, 2022, the last on-site inspection by the Saxony-Anhalt State Administration Office took place in accordance with the monitoring program according to the IED Directive in conjunction with 52 BImSchG and § 47 KrWGt.

7. Access to environmental information

Further information can be obtained from the State Administration Office of Saxony-Anhalt.