



## Acceptance and delivery terms Hattorf Underground Waste Recovery Plant (Last revised: 1 December 2020)

### Exclusion criteria

Waste with one or more of the properties listed here cannot be accepted:

- radioactive waste
- waste that reacts with salt rock
- waste contaminated with agents of communicable diseases
- penetrating or unpleasant smelling waste
- Wastes that form explosive or harmful gas-air mixtures under emplacement conditions
- Waste containing more than 15% by weight activated carbon
- Wastes which have a tendency to spontaneously combust under emplacement conditions or which are highly or easily flammable, explosive, combustible, or oxidising
- Waste that exceeds the permissible dust limit concentrations
- Waste may not be recycled if the settlement under rock pressure and under restraint on all sides is > 50%
- Waste with a bulk density of < 0.5 g/cm<sup>3</sup>

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### Information on the verification/notification procedure

- **The Hattorf Underground Waste Recovery Plant (UTV HA) may accept waste from Germany in a privileged procedure in accordance with the Ordinance on Waste Recovery and Disposal Records.**
- Notification is required for waste not originating in Germany.
- The declaration of acceptance of the UTV HA is based on the waste declaration submitted by the waste producer as well as the analysis results determined on the basis of a representative sample of the waste. The approval of the waste with regard to its harmlessness in terms of mining and industrial hygiene as well as its suitability for soil mechanics is based on expert opinions by recognised expert bodies.

Please contact us regarding the documents to be submitted.

If the type, quantity, and origin of the waste changes significantly compared with the information in the declaration, UTV HA must be informed immediately of this fact in writing.

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### Required accompanying documents

- The required accompanying documents depend on the type and origin of the waste as well as on legal requirements. **They must be completed in full and presented at the time of acceptance.**
- In the case of deliveries from abroad, the consignment note and dispatch/accompanying form are also included.



- **Otherwise, we are entitled to reject the delivery.**
- For deliveries from Germany: accompanying certificates<sup>1</sup>, written instructions, and weighing card as well as the ADR certificate for dangerous goods.
- **In addition to the legal requirements, the accompanying documents must indicate the type of packaging, the form of delivery, and the K+S code.**
- If the weighing card is missing, a weighing will be carried out on acceptance. The costs will be invoiced.

## Waste packaging

- **The type of packaging will be made binding as part of the verification/notification procedure.**
- **Each container must be clearly and permanently labelled with the K+S code on two opposite sides** (character height at least 10 cm; not on the lid; no paper labels).
- For dangerous goods, the packaging must meet the ADR requirements and be labelled in accordance with GefStoffV [Ordinance on Hazardous Substances] or Directive 67/548/EEC.
- **The Big Bags must be dimensionally stable, undamaged, and clean on the outside.**
- The Big Bag must not exceed the base area of the pallet. (max. 1,300 kg; max. 1.60 m high, including pallet).
- The maximum waste temperature for Big Bag delivery is 50°C.
- Details of the packaging types can be found on the following pages.

## Delivery of waste

### Opening hours of the underground reutilisation:

Monday to Friday 5:30 a.m. to 1:00 p.m.  
(packaged waste)

### Delivery in silo lorry:

Monday 5:30 a.m. to 11:59 p.m.

Tuesday to Friday 12:01 a.m. to 11:59 p.m.

Deliveries must be notified in writing by Thursday, 8:00 a.m. at the latest for the following week.

**Please arrange delivery dates with the UTV-HA by email, fax, or telephone:**

**E-Mail: [UTV\\_HA@k-plus-s.com](mailto:UTV_HA@k-plus-s.com)**

**Telephone: +49 (6620) 79-3055 or -3155**

**Fax: +49 (6620)79- 3056**

Deliveries are accepted after only written confirmation of the date.

<sup>1</sup> In accordance with the Ordinance on Waste Recovery and Disposal Records, accompanying certificates for hazardous waste must be kept electronically.



## Lorry delivery:

- If delivered by silo lorry (tipping silo), the operating pressure of the boiler must be designed for max. 2 barü.
- Lorries and containers must be technically sound. (Note: discharge air is provided by the UTV. The pressure relief valve must be adjusted to the max. operating pressure and must be functional)
- Required tests: for dangerous goods containers in accordance with GGVSEB (ordinance on the national and international carriage of dangerous goods by road, rail, and inland waterways); for non-dangerous goods containers in accordance with the Pressure Equipment Directive. The date of execution and the max. operating pressure must be legible on the type plate.
- The waste must be pneumatically transportable without lumps, lumps, sharp-edged material, foreign bodies, especially metal parts or similar.
- The maximum waste temperature for silo lorry delivery (core temperature) is 80°C.
- Silos must be equipped for unloading with Storz connections of Type A and permanently installed air distribution.
- All Storz connections must be locked with safety clamps. The safety clamps are provided by the facility operator.
- Silos must not have sight glasses in the transporting equipment.
- Sea containers and sliding floor lorries cannot be unloaded.  
Lorries with Big Bags on pallets must unloadable from the side (lorries with sideways folding dropsides)  
Lashing points must be secured against chafing.

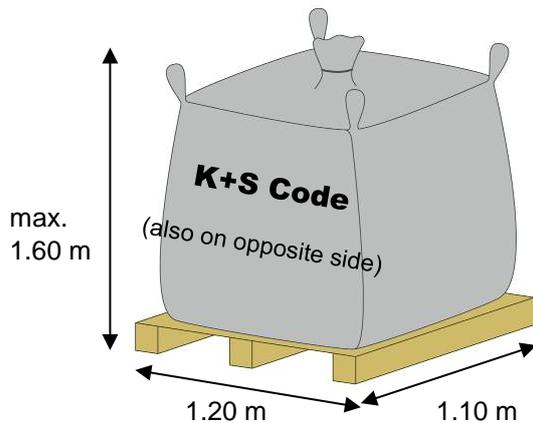
The lorry drivers must have a basic knowledge of the German language in order to understand the safety instructions. The safety instructions must be observed. Personal protective equipment such as safety shoes, helmet, and safety goggles, must be carried on the vehicle and worn when entering the plant premises. Mask and gloves must also be carried and worn if necessary.

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## Acceptance of waste at the Hattorf UTV

- Each waste delivery is subject to an acceptance control, which verifies the identity of the waste. Clearance takes about 30 minutes. The period of the unloading process depends on the waste properties. The UTV assumes no liability for the observance of time specifications.
- Waste that does not comply with the declaration in the proof of disposal or the notification, including the information in the supplementary sheets, can be rejected.
- The UTV accepts no liability for damage caused by the following when unloading the lorries:
  - incorrectly loaded or slipped pallets/loads,
  - pallets not complying with UTV terms
- Costs for defective deliveries will be charged.

## Big Bags (IBC-F)



**Pallet and Big Bag must be undamaged and clean on the outside; the Big Bag must be tightly closed.**

<p><b>Big Bag design</b></p> <ul style="list-style-type: none"> <li>- 4 lifting loops in the corners</li> <li>- closed bottom shape (no bottom opening)</li> <li>- demonstrably approved for underground use: antistatic, harmless to mining hygiene</li> <li>- dust-tight (e.g. with seam sealing)</li> <li>- if necessary, two-layer fabric <b>without liner</b></li> <li>- Specifications on the type of construction are made within the framework of the verification/notification procedure</li> </ul>	<p><b>Identification</b></p> <ul style="list-style-type: none"> <li>- permanent inscription with 'K+S Code' (no stickers) on opposite sides</li> <li>- Character height at least 10 cm</li> <li>- visible on the sides that the forklift lorry picks up</li> <li>- labelling according to ADR and the Ordinance on Hazardous Substances if necessary</li> </ul>
<p><b>Big Bag filling</b></p> <ul style="list-style-type: none"> <li>- Filling without protrusion over the pallet base dimensions</li> <li>- only for bulk material without pointed, sharp-edged, or coarse particles</li> <li>- Gross weight according to approval but max. 1,300 kg</li> <li>- Total height including top skirt: max. 1.60 m (Big Bag + pallet + top skirt)</li> <li>- Filled Big Bags must be dimensionally stable and stackable</li> </ul>	<p><b>Pallet</b></p> <ul style="list-style-type: none"> <li>- Width: 1.20 m; depth: 1.10 m</li> <li>- 1.20 m wide side; can be picked up with a forklift</li> <li>- closed planking</li> </ul>