

Waste characteristics

The following waste types may not be deposited:

- radioactive,
- liquid (including those that contain free liquids i.e. release these liquids after longer storage or due to agitation),
- infectious wastes as well as body parts and organs,
- unidentified or new chemical wastes from research, development and training activities, with unknown effects on humans and the environment,
- complete or split scrap tyres,
- wastes causing considerable odour nuisance,
- biodegradable (organic) wastes, or wastes with a calorific value exceeding 6,000 kJ/kg,
- wastes, which under deposit conditions (30 °C) may react with each other or the surrounding rock-bed, generating volume expansions, self-ignitable, toxic or explosive gases or substances (gases max. 10% UEG¹) or other dangerous reactions,
- wastes that under deposit conditions (30 °C) are explosive, highly or easily flammable, or have a pungent smell, or have insufficient stability to correspond to the geomechanical conditions.

Approval procedure

- The underground waste disposal facility (UTD) is authorised to approve wastes from Germany in a privileged procedure, in accordance with the Ordinance on Waste Disposal and Recovery (Nachweisverordnung). Waste producers/owners from Germany can therefore present the required documents directly at the underground waste disposal facility.
- If applicable, an obligation to declare the wastes to the waste management board, which tenders the disposal to a waste management company, needs to be observed.
- **For wastes originating in countries other than Germany, a notification is required. Please contact K+S Entsorgung GmbH regarding the notification documents.**

Accompanying documents

- The required accompanying documents are determined by type and origin of waste, as well as by official specifications. **These documents need to be presented upon arrival; otherwise we are entitled to reject the delivery.**
- In case of delivery from Germany: covering letters, instruction in writing (accident procedures sheet), weighbridge ticket, as well as ADR-certificate in case of hazardous material.
- Additionally, in case of delivery from abroad: bill of lading and dispatch-/covering letter.
- **In addition to legal requirements, the accompanying documents need to include type and number of containers, as well as the K+S code.**
- In case of missing weighbridge ticket, the acceptance procedure will include weighing. All deliveries shall include random control weighings.

¹ UEG: Untere Explosions-Grenze = LEL: Lower Explosive Limit

Conditions of acceptance for the underground waste disposal plant Herfa-Neurode



Date: 02/2011

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Packaging

- **Generally, all wastes need to be packed.** Exceptions are made for silo-truck deliveries (if wastes are packed in big-bags at the underground waste disposal facility), as well as for non-packable large-scale equipment/containers (by prior agreement).
- **The type of packaging** (steel drums, steel containers, big-bags) is based on the waste characteristics, and **is mandatorily specified within the scope of the certification/notification procedure.**
- Details regarding the different types of packaging can be found on the following pages.
- **All containers need to be durably and noticeably marked with the K+S code** (letter height min. 10 cm, not positioned on lid, no paper labels).
- In case of hazardous material, packaging needs to comply with ADR-regulations, and needs to be marked in accordance with the Ordinance on Hazardous Materials, i.e. guideline 67/548/EWG.
- **All containers need to be undamaged and clean on the outside.**
- The temperature of wastes delivered in silo-trucks must not exceed 80 °C.
- Acceptance of transformers is possible on agreement.

Delivery of wastes

Opening hours of the waste disposal plant:

Mon.-Fri. 5:30 to 12:00

Silo-truck deliveries: Mon.-Fri. 0:00 to 24:00

Unannounced or delivery dates not confirmed by the underground disposal facility may lead to significant delays.

Delivery by lorry:

- Lorries bearing containers need to be unloadable from the side.
- On works premises, traffic is governed by German road traffic regulations, max. speed 30 km/h.
- If needed, instructions by personnel.

Please confirm delivery dates in due time, either by phone or fax, with the underground deposit facility:

Phone: +49 (6624) 81-1308

Fax: +49 (6624) 81-1358

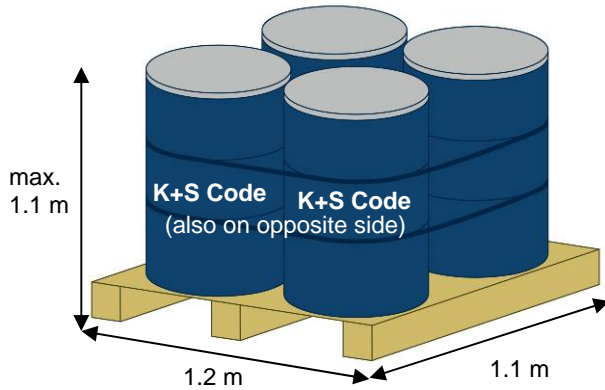
Rail delivery:

- More information on rail delivery (permissible wagon types) available on request.

Acceptance / Registration

- Each delivery will be subjected to an acceptance control, verifying the waste's identity (duration approx. 30 minutes). The underground deposit facility does not assume liability for this time specification.
- **All wastes deviating from the declaration in the disposal certificate, i.e. which do not comply with the notification documents, or which are inadequately packed, may be rejected.**
- The underground disposal facility does not assume liability for damages caused by unloading of trucks or wagons, such as by the following:
 - inadequately loaded or slipped pallets/loads,
 - pallets not in compliance with underground disposal facility's requirements,
 - additional cargo not previously announced to the unloading-personnel.

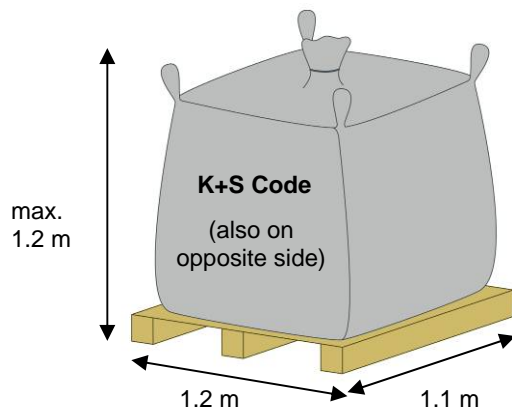
Steel drum container unit



All pallets and drums containers need to be undamaged and clean on the outside, the drums tightly sealed.

<p>Drum container unit</p> <ul style="list-style-type: none"> - steel drums are accepted as so-called drum container units only - a drum container unit generally consists of 4 equally dimensioned steel drums, resting on one pallet - total height incl. pallet max. 1.1 m 	<p>Labelling</p> <ul style="list-style-type: none"> - durable labelling with 'K+S-code' (no sticker) - on each drum - height min. 10 cm - visible on the side that is picked up by the fork-lift (not on the lid) - if applicable marking in accordance with ADR and GefStoffV
<p>Safeguarding the unit</p> <ul style="list-style-type: none"> - 2 steel strips or plastic strips with equal breaking load (other types of strips on request) - each min. 25 mm wide 	<p>Drums</p> <ul style="list-style-type: none"> - 4 equally dimensioned 200-litre steel drums - type-approved in accordance with ADR - drums lined with a 0.2 mm-thick, tightly sealed PE-bag (possible exception: hot-filled wastes)
<p>UTD (underground disposal facility)-pallet</p> <ul style="list-style-type: none"> - base area: 1.2 m x 1.1 m - to be picked up by fork-lift on the 1.2 m-length side - closed sheeting 	<p>Drum lids</p> <ul style="list-style-type: none"> - removable - tension ring lock pointing to the outside, and cotter pin - permissible gross weight per drum may not be exceeded

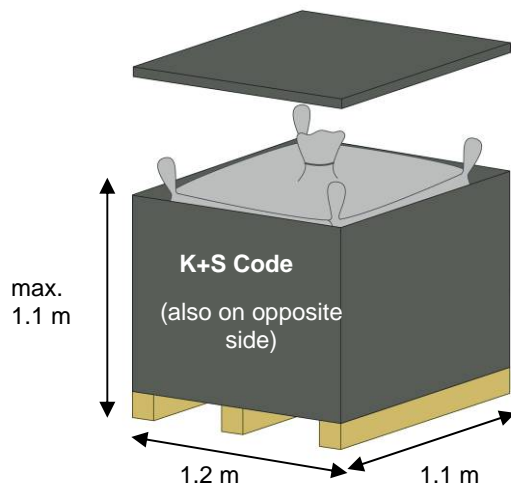
Big-Bags (IBC-F)



Pallets and big-bags need to be undamaged and clean on the outside, the big-bags tightly sealed.

<p>Big-Bag-Type</p> <ul style="list-style-type: none"> - 4 lifting loops on corners - bottom shape closed (no bottom outlet) - certified for underground use: flame-retardant, mining-hygienically un-objectionable and anti-static - dustproof, e.g. with sealed seams - if applicable composed of two layers - determination of construction type will be effected within the certification-/notification-procedure 	<p>Labelling</p> <ul style="list-style-type: none"> - durable labelling with 'K+S-code' (no sticker) on opposing sides - height min. 10 cm - visible on the sides that are picked up by fork-lift - if applicable marking in accordance with ADR and GefStoffV
<p>Big-Bag-Filling</p> <ul style="list-style-type: none"> - filling may not project beyond the pallet's base area - only for loose material without pointed, sharp-edged or coarse components - gross weight in accordance with approval, but not in excess of 1,500 kg - total height closure: max. 1.2 m 	<p>UTD (underground disposal facility)-pallet</p> <ul style="list-style-type: none"> - base area: 1.2 m x 1.1 m - to be picked up by fork-lift on the 1.2 m-length side - closed sheeting

Steel sheet container (IBC)



Container and base need to be undamaged and clean on the outside, the container tightly sealed.

<p>Type and filling</p> <ul style="list-style-type: none"> - closed steel sheet container lined with PE-bag or big-bag - sheet thickness (bottom+clip-on lid)\geq1.25 mm) - material grade St 37 - gross weight in accordance with approval, but not in excess of 3,000 kg - lids secured by screws 	<p>Labelling</p> <ul style="list-style-type: none"> - durable labelling with 'K+S-code' (no sticker) on opposing sides - height min. 10 cm - visible on the sides that are picked up by fork-lift - if applicable marking in accordance with ADR and GefStoffV
<p>Dimensions</p> <ul style="list-style-type: none"> - base area: 1.2 m x 1.1 m - total height (container and base): max. 1,1 m - additional dimensions on request (max. length 2.2 m) 	<p>Container base</p> <ul style="list-style-type: none"> - container positioned on UTD (underground disposal facility)-pallet, or on square shaped timber feet or steel roof beams - to be picked up by fork-lift on the 1.2 m-length side