



# SUPERVISION-CERTIFICATE

## Specialised Waste Disposal Management Company

**TÜV Thüringen Anlagentechnik GmbH & Co. KG**  
hereby certifies that

***GSES Glückauf Sondershausen***  
***Entwicklungs- und Sicherungsgesellschaft mbH***  
**Schachtstraße 20 • D-99706 Sondershausen**

**business fields:**

- 1. storage, treatment and recycling of waste (contained in the annex No. 1, 4 pages)**
- 2. eliminate of waste (contained in the annex No. 2, 8 pages)**

**location: Schachtstraße 20-22 • D-99706 Sondershausen**

meet the requirements of Art. 56 of the German „ Recycling Act “ and the  
„Specialized Waste Management Companies Ordinance“ of 24.02.2012  
(Federal Law Gazette 29.02.2012 art 1 no. 10). Conformity was proofed  
during the supervision audit.

Date of the first  
certification: **March 2000**

This Certificate  
is valid up to: **26.05.2021**

Date of the last  
surveillance: **27.11.2019**

Certificate-  
Registration-No.: **151 / 2019**  
**(2AU-21896)**



TÜV Thüringen Anlagentechnik GmbH & Co. KG  
Certification Body

representative expert  
Dipl.-Geol. Peter Bohatschek

## Annex 1 to the Certificate No. 151/2019

**GSES Glückauf Sondershausen  
Entwicklungs- und Sicherungsgesellschaft mbH  
Schachtstraße 20  
D-99706 Sondershausen**

### Specification of all types of waste to the certificated activities in accordance with the Regulation on the “European Waste List” - AVV of 10.12.2001

Please note: Any waste marked with an asterisk (\*) is considered as a hazardous waste pursuant to § 48 of the Closed Substance Cycle and Waste Management Act (KrWG).

Please refer to the valid approval documentation concerning specific restrictions on a type of waste (indicated/stated as waste codes).

**certification scope: storage, treatment and recycling of waste  
(emplacement of waste in mines)**

**Disposer No. R 65 B 10 075**


| Waste-<br>code | Waste Designation  |
|----------------|--|
| 01 03 06       | tailings other than those mentioned in 01 03 04 and 01 03 05   |
| 01 03 07*      | other wastes containing dangerous substances from physical and chemical processing of metalliferous minerals |
| 01 03 08       | dusty and powdery wastes other than those mentioned in 01 03 07  |
| 01 04 07*      | waste containing dangerous substances from physical and chemical processing of nonmetalliferous minerals     |
| 01 04 10       | dusty and powdery wastes other than those mentioned in 01 04 07  |
| 01 04 11       | wastes from potash and rock salt processing other than those mentioned in 01 04 07                           |
| 01 05 05*      | oil-containing drilling muds and wastes  |
| 01 05 06*      | drilling muds and other drilling wastes containing dangerous substances                                      |
| 01 05 07       | barite-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06               |
| 01 05 08       | chloride-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06             |
| 02 05 02       | sludges from on-site effluent treatment  |
| 06 03 13*      | solid salts and solutions containing heavy metals  |
| 06 03 14       | solid salts and solution other than those mentioned in 06 03 11 and 06 03 13                                 |
| 06 03 15*      | metallic oxides containing heavy metals  |
| 06 04 05*      | wastes containing other heavy metals   |
| 06 04 99       | wastes not otherwise specified   |
| 06 05 02*      | sludges from on-site effluent treatment containing dangerous solutions                                       |
| 06 05 03       | sludges from onsite effluent treatment other than those mentioned in 06 05 02                                |
| 06 06 02*      | wastes containing dangerous sulphides  |
| 06 06 03       | wastes containing sulphides other than those mentioned in 06 06 02   |

| waste-<br>code | Waste Designation  |
|----------------|--|
| 06 08 99       | wastes not otherwise specified   |
| 06 09 04       | calcuim-based reaction wastes other than those mentioned in 06 09 03                             |
| 07 01 10*      | other filter cakes and spent absorbents  |
| 07 02 11*      | sludges from on-site effluent treatment containing dangerous substances                          |
| 07 05 13*      | solid wastes containing dangerous substances   |
| 07 06 11*      | sludges from on-site effluent treatment containing dangerous substances                          |
| 07 06 12       | sludges from on-site effluent treatment other than those mentioned in 07 06 11                   |
| 07 07 08*      | other still bottoms and reaction residues  |
| 08 02 01       | waste coating powders  |
| 10 01 01       | bottom ash, slag and boiler dust (excluding boiler dust mentioned in 10 01 04)                   |
| 10 01 02       | coal fly ash   |
| 10 01 03       | fly ash from peat and untreated wood   |
| 10 01 04*      | oil fly ash and boiler dust  |
| 10 01 05       | calcium-based reaction wastes from flue-gas desulphurisation in solid form                       |
| 10 01 07       | Reaktionsabfälle auf Calciumbasis aus der Rauchgasentschwefelung in fester Form                  |
| 10 01 14*      | bottom ash, slag and boiler dust from co-incineration containing dangerous substances            |
| 10 01 15       | bottom ash, slag and boiler dust from co-incineration other than those mentioned in 10 01 14     |
| 10 01 16*      | fly ash from co-incineration containing dangerous substances                                     |
| 10 01 17       | fly ash from co-incineration other than those mentioned in 10 01 16                              |
| 10 01 18*      | wastes from gas cleaning containing dangerous substances   |
| 10 01 19       | wastes from gas cleaning other than those mentioned in 10 01 05, 10 01 07 and 10 01 18           |
| 10 01 20*      | sludges from on-site effluent treatment containing dangerous substances                          |
| 10 01 21       | sluges from on-site effluent treatment other than those mentioned in 10 01 20                    |
| 10 02 02       | unprocessed slag   |
| 10 02 07*      | solid wastes from gas treatment containing dangerous substances                                  |
| 10 02 08       | solid wastes from gas treatment other than those mentioned in 10 02 07                           |
| 10 02 13*      | sludges and filter cakes from gas treatment containing dangerous substances                      |
| 10 02 14       | sludges and filter cakes from gas treatment other than those mentioned in 10 02 13               |
| 10 03 19*      | flue-gas dust containing dangerous substances  |
| 10 03 23*      | solid wastes from gas treatment containing dangerous substances                                  |
| 10 03 24       | solid wastes from gas treatment other than those mentioned in 10 03 23                           |
| 10 04 01*      | slags from primary and secondary production  |
| 10 04 04*      | flue-gas dust  |
| 10 05 01       | slags from primary and secondary production  |
| 10 05 05*      | solid waste from gas treatment   |
| 10 06 01       | slags from primary and secondary production  |
| 10 07 01       | slags from primary and secondary production  |
| 10 08 08*      | salt slag from primary and secondary production  |
| 10 08 09       | other slags  |
| 10 08 15*      | flue-gas dust containing dangerous substances  |
| 10 09 03       | furnace slag   |
| 10 09 05*      | casting cores and moulds which have not undergone pouring containing dangerous substances        |
| 10 09 06       | casting cores and moulds which have not undergone pouring other than those mentioned in 10 09 05 |
| 10 09 07*      | casting cores and moulds which have undergone pouring containing dangerous substances            |
| 10 09 08       | casting cores and moulds have undergone pouring other than those mentioned in 10 09 07           |
| 10 09 09*      | flue-gas dust containing dangerous substances  |
| 10 09 10       | flue-gas dust other than those mentioned in 10 09 09   |

| waste-code | Waste Designation   |
|------------|---|
| 10 10 03   | furnace slag  |
| 10 10 05*  | casting cores and moulds which have not undergone pouring containing dangerous substances                   |
| 10 10 06   | casting cores and moulds which have not undergone pouring, other than those mentioned in 10 10 05           |
| 10 10 07*  | casting cores and moulds which have undergone pouring containing dangerous substances                       |
| 10 10 08   | casting cores and moulds which have undergone pouring, other than those mentioned in 10 10 07               |
| 10 11 05   | particulates and dust   |
| 10 11 09*  | waste preparation mixture before thermal processing, containing dangerous substances                        |
| 10 11 10   | waste preparation mixture before thermal processing, other than those mentioned in 10 11 09                 |
| 10 11 15*  | solid wastes from flue-gas treatment containing dangerous substances  |
| 10 11 16   | solid wastes from flue-gas treatment other than those mentioned in 10 11 15                                 |
| 10 12 01   | waste preparation mixture before thermal processing   |
| 10 13 06   | particulates and dust (except 10 13 12 and 10 13 13)  |
| 10 13 11   | wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10            |
| 10 13 12*  | solid wastes from gas treatment containing dangerous substances   |
| 11 01 08*  | phosphatising sludges   |
| 11 01 09*  | sludges and filter cakes containing dangerous substances  |
| 11 01 10   | sludges and filter cakes other than those mentioned in 11 01 09   |
| 11 02 03   | wastes from the production of anodes for aqueous electrolytical processes                                   |
| 11 02 07*  | other wastes containing dangerous substances  |
| 11 02 99   | wastes not otherwise specified  |
| 12 01 02   | ferrous metal dust and particles  |
| 12 01 14*  | machining sludges containing dangerous substances   |
| 12 01 15   | machining sludges other than those mentioned in 12 01 14  |
| 12 01 16*  | waste blasting material containing dangerous substances   |
| 12 01 17   | waste blasting material other than those mentioned in 12 01 16  |
| 16 08 01   | spent catalysts containing gold, silver, rhenium, rhodium, palladium, iridium or platinum (except 16 08 07) |
| 16 08 02*  | spent catalysts containing dangerous transition metals or dangerous transition metal compounds              |
| 16 08 03   | spent catalysts containing transition metals or transition metal compounds not otherwise specified          |
| 16 08 04   | spent fluid catalytic cracking catalysts (except 16 08 07)  |
| 16 08 05*  | spent catalysts containing phosphoric acid  |
| 16 08 07*  | spent catalysts contaminated with dangerous substances  |
| 16 10 02   | aqueous liquid wastes other than those mentioned in 16 10 01  |
| 16 11 01*  | carbon-based linings and refractories from metallurgical processes containing dangerous substances          |
| 16 11 02   | carbon-based linings and refractories from metallurgical processes other than those mentioned in 16 11 01   |
| 16 11 03*  | other linings and refractories from metallurgical processes containing dangerous substances                 |
| 16 11 04   | other linings and refractories from metallurgical processes other than those mentioned in 16 11 03          |
| 16 11 05*  | linings and refractories from non-metallurgical processes containing dangerous substances                   |
| 16 11 06   | linings and refractories from non-metallurgical processes other than those mentioned in 16 11 05            |
| 17 01 01   | concrete  |
| 17 01 02   | bricks  |
| 17 01 03   | tiles and ceramics  |
| 17 01 06*  | mixtures of, or separate fractions of concrete, bricks, tiles and ceramics containing dangerous substances  |
| 17 02 04*  | glass, plastic and wood containing or contaminated with dangerous substances                                |

| waste-<br>code | Waste Designation   |
|----------------|---|
| 17 05 03*      | soil and stones containing dangerous substances   |
| 17 05 04       | soil and stones other than those mentioned in 17 05 03  |
| 17 05 05*      | dredging spoil containing dangerous substances  |
| 17 05 06       | dredging spoil other than those mentioned 17 05 05  |
| 17 05 07*      | track ballast containing dangerous substances   |
| 17 05 08       | track ballast other than those mentioned in 17 05 07  |
| 17 08 01*      | gypsum-based construction materials contaminated with dangerous substances  |
| 17 08 02       | gypsum-based construction materials other than those mentioned in 17 08 01  |
| 19 01 05*      | filter cake from gas treatment  |
| 19 01 06*      | aqueous liquid wastes from gas treatment and other aqueous liquid wastes  |
| 19 01 07*      | solid wastes from gas treatment   |
| 19 01 11*      | bottom ash and slag containing dangerous substances   |
| 19 01 12       | bottom ash and slag other than those mentioned in 19 01 11  |
| 19 01 13*      | fly ash containing dangerous substances   |
| 19 01 14       | fly ash other than those mentioned in 19 01 13  |
| 19 01 15*      | boiler dust containing dangerous substances   |
| 19 01 16       | boiler dust other than those mentioned in 19 01 15  |
| 19 01 17*      | pyrolysis wastes containing dangerous substances  |
| 19 01 18       | pyrolysis wastes other than those mentioned in 19 01 17   |
| 19 01 99       | wastes not otherwise specified  |
| 19 02 03       | premixed wastes composed only of non-hazardous wastes   |
| 19 02 04*      | premixed wastes composed of at least one hazardous waste  |
| 19 02 05*      | sludges from physico/chemical treatment containing dangerous substances   |
| 19 02 06       | sludges from physico/chemical treatment other than those mentioned in 19 02 05  |
| 19 02 11*      | other wastes containing dangerous substances  |
| 19 03 04*      | wastes marked as hazardous, partly stabilised   |
| 19 03 05       | stabilised wastes other than those mentioned in 19 03 04  |
| 19 03 06*      | wastes marked as hazardous, solidified  |
| 19 03 07       | solidified wastes other than those mentioned in 19 03 06  |
| 19 04 02*      | fly ash and other flue-gas treatment wastes   |
| 19 07 02*      | landfill leachate containing dangerous substances   |
| 19 07 03       | landfill leachate other than those mentioned in 19 07 02  |
| 19 08 08*      | membrane system waste containing heavy metals   |
| 19 08 11*      | sludges containing dangerous substances from biological treatment of industrial waste water                               |
| 19 08 12       | sludges from biological treatment of industrial waste water other than those mentioned in 19 08 11                        |
| 19 08 13*      | sludges containing dangerous substances from other treatment of industrial waste water                                    |
| 19 08 14       | sludges from other treatment of industrial waste water other than those mentioned in 19 08 13                             |
| 19 09 02       | sludges from water clarification  |
| 19 10 03*      | fluff-light fraction and dust containing dangerous substances   |
| 19 10 04       | fluff-light fraction and dust other than those mentioned in 19 10 03  |
| 19 12 11*      | other wastes (including mixtures of materials) from mechanical treatment of waste containing dangerous substances         |
| 19 12 12       | other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11 |

Arnstadt, 27.11.2019  
(city, date)

  
.....  
(representative expert)

## Annex 2 to the Certificate No. 151/2019

**GSES Glückauf Sondershausen  
Entwicklungs- und Sicherungsgesellschaft mbH  
Schachtstraße 20  
D-99706 Sondershausen**

### Specification of all types of waste to the certificated activities in accordance with the Regulation on the “European Waste List” - AVV of 10.12.2001

Please note: Any waste marked with an asterisk (\*) is considered as a hazardous waste pursuant to § 48 of the Closed Substance Cycle and Waste Management Act (KrWG).

Please refer to the valid approval documentation concerning specific restrictions on a type of waste (indicated/stated as waste codes).

**certification scope:      eliminate of waste (underground storage)**

**Disposer No.      R 65 B 11 205**

| waste-<br>code | Waste Designation  |
|----------------|--|
| 01 04 07*      | waste containing dangerous substances from physical and chemical processing of nonmetalliferous minerals |
| 01 05 05*      | oil-containing drilling muds and wastes  |
| 01 05 06*      | drilling muds and other drilling wastes containing dangerous substances                                  |
| 01 05 07       | barite-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06           |
| 01 05 08       | chloride-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06         |
| 04 01 06       | sludges, in particular from on-site effluent treatment containing chromium                               |
| 04 01 07       | sludges , in particular from on-site effluent treatment free of chromium                                 |
| 04 01 99       | wastes not otherwise specified   |
| 04 02 19*      | sludges from on-site effluent treatment containing dangerous substances                                  |
| 04 02 20       | sludges from on-site effluent treatment other than those mentioned in 04 02 19                           |
| 05 01 02*      | desalter sludges   |
| 05 01 03*      | tank bottom sludges  |
| 05 01 06*      | oily sludges from maintenance operations of the plant or equipment                                       |
| 05 01 09*      | sludges from on-site effluent treatment containing dangerous substances                                  |
| 05 01 10       | sludges from on-site effluent treatment other than those mentioned in 05 01 09                           |
| 05 01 15*      | spent filter clays   |
| 05 01 16       | sulphur-containing wastes from petroleum desulphurisation  |
| 05 01 17       | bitumen  |
| 05 01 99       | wastes not otherwise specified   |

| waste-<br>code | Waste Designation  |
|----------------|--|
| 05 07 01*      | wastes containing mercury  |
| 05 07 99       | wastes not otherwise specified   |
| 06 03 11*      | solid salts and solutions containing cyanides  |
| 06 03 13*      | solid salts and solutions containing heavy metals  |
| 06 03 14       | solid salts and solution other than those mentioned in 06 03 11 and 06 03 13   |
| 06 03 15*      | metallic oxides containing heavy metals  |
| 06 03 16       | metallic oxides other than those mentioned in 06 03 15   |
| 06 03 99       | wastes not otherwise specified   |
| 06 04 03*      | wastes containing arsenic (notifications No. FR2014068023 and FR2014068021; valid up to: 17.08.2015)                                   |
| 06 04 04*      | wastes containing mercury  |
| 06 04 05*      | wastes containing other heavy metals   |
| 06 04 99       | wastes not otherwise specified   |
| 06 05 02*      | sludges from on-site effluent treatment containing dangerous solutions   |
| 06 05 03       | sludges from onsite effluent treatment other than those mentioned in 06 05 02  |
| 06 06 02*      | wastes containing dangerous sulphides  |
| 06 06 03       | wastes containing sulphides other than those mentioned in 06 06 02   |
| 06 06 99       | wastes not otherwise specified   |
| 06 07 01*      | wastes containing asbestos from electrolysis   |
| 06 07 02*      | activated carbon from chlorine production<br>(assessment No. 0309/2013 - TLBA; reference No. 13680/13 R2-81c-144035, date: 17.05.2013) |
| 06 07 03*      | barium sulphate sludge containing mercury  |
| 06 09 02       | phosphorus slag  |
| 06 09 03*      | calcium-based reaction wastes containing or contaminated with dangerous substances   |
| 06 09 04       | calcium-based reaction wastes other than those mentioned in 06 09 03   |
| 06 09 99       | wastes not otherwise specified   |
| 06 10 02*      | wastes containing dangerous substances   |
| 06 10 99       | wastes not otherwise specified   |
| 06 11 01       | calcium-based reaction wastes from titanium dioxide production   |
| 06 11 99       | wastes not otherwise specified   |
| 06 13 01*      | inorganic plant protection products, wood-preserving agents and other biocides   |
| 06 13 02*      | spent activated carbon (except 06 07 02)   |
| 06 13 03       | carbon black   |
| 06 13 04*      | wastes from asbestos processing  |
| 06 13 05*      | soot   |
| 07 01 07*      | halogenated still bottoms and reaction residues  |
| 07 01 08*      | other still bottoms and reaction residues  |
| 07 01 10*      | other filter cakes and spent absorbents  |
| 07 04 08*      | other still bottoms and reaction residues  |
| 07 06 08*      | other still bottoms and reaction residues  |
| 07 07 07*      | halogenated still bottoms and reaction residues  |
| 07 07 08*      | other still bottoms and reaction residues  |
| 08 02 01       | waste coating powders  |
| 08 02 02       | aqueous sludges containing ceramic materials   |
| 08 03 17*      | waste printing toner containing dangerous substances   |
| 08 03 18       | waste printing toner other than those mentioned in 08 03 17  |
| 08 03 99       | wastes not otherwise specified   |

| waste-<br>code | Waste Designation  |
|----------------|--|
| 10 01 01       | bottom ash, slag and boiler dust (excluding boiler dust mentioned in 10 01 04)         |
| 10 01 02       | coal fly ash   |
| 10 01 03       | fly ash from peat and untreated wood   |
| 10 01 04*      | oil fly ash and boiler dust  |
| 10 01 05       | calcium-based reaction wastes from flue-gas desulphurisation in solid form             |
| 10 01 13*      | fly ash from emulsified hydrocarbons used as fuel                                      |
| 10 01 14*      | bottom ash, slag and boiler dust from co-incineration containing dangerous substances  |
| 10 01 16*      | fly ash from co-incineration containing dangerous substances                           |
| 10 01 18*      | wastes from gas cleaning containing dangerous substances                               |
| 10 01 19*      | wastes from gas cleaning other than those mentioned in 10 01 05, 10 01 07 and 10 01 18 |
| 10 01 20*      | sludges from on-site effluent treatment containing dangerous substances                |
| 10 01 21       | sludges from on-site effluent treatment other than those mentioned in 10 01 20         |
| 10 02 01       | wastes from the processing of slag   |
| 10 02 02       | unprocessed slag   |
| 10 02 07*      | solid wastes from gas treatment containing dangerous substances                        |
| 10 02 08       | solid wastes from gas treatment other than those mentioned in 10 02 07                 |
| 10 02 10       | mill scales  |
| 10 02 13*      | sludges and filter cakes from gas treatment containing dangerous substances            |
| 10 02 14       | sludges and filter cakes from gas treatment other than those mentioned in 10 02 13     |
| 10 02 15       | other sludges and filter cakes   |
| 10 02 99       | wastes not otherwise specified   |
| 10 03 18       | carbon-containing waste from anode manufacture other than those mentioned in 10 03 17  |
| 10 03 19*      | flue-gas dust containing dangerous substances  |
| 10 03 21*      | other particulates and dust (including ball-mill dust) containing dangerous substances |
| 10 03 23*      | solid wastes from gas treatment containing dangerous substances                        |
| 10 03 25*      | sludges and filter cakes from gas treatment containing dangerous substances            |
| 10 03 26       | sludges and filter cakes from gas treatment other than those mentioned in 10 03 25     |
| 10 04 01*      | slags from primary and secondary production  |
| 10 04 02*      | dross and skimmings from primary and secondary production                              |
| 10 04 04*      | flue-gas dust  |
| 10 04 05*      | other particulates and dust  |
| 10 04 06*      | solid wastes from gas treatment  |
| 10 04 07*      | sludges and filter cakes from gas treatment  |
| 10 05 01       | slags from primary and secondary production  |
| 10 05 03*      | flue-gas dust  |
| 10 05 04       | other particulates and dust  |
| 10 05 05*      | solid waste from gas treatment   |
| 10 05 06*      | sludges and filter cakes from gas treatment  |
| 10 05 99       | wastes not otherwise specified   |
| 10 06 01       | slags from primary and secondary production  |
| 10 06 02       | dross and skimmings from primary and secondary production                              |
| 10 06 03*      | flue-gas dust  |
| 10 06 04       | other particulates and dust  |
| 10 06 06*      | solid waste from gas treatment   |
| 10 06 07*      | sludges and filter cakes from gas treatment  |
| 10 06 99       | wastes not otherwise specified   |



| waste-<br>code | Waste Designation   |
|----------------|---|
| 10 07 01       | slags from primary and secondary production   |
| 10 07 02       | dross and skimmings from primary and secondary production   |
| 10 07 03       | solid waste from gas treatment  |
| 10 07 04       | other particulates and dust   |
| 10 07 05       | sludges and filter cakes from gas treatment   |
| 10 07 99       | wastes not otherwise specified  |
| 10 08 04       | particulates and dust   |
| 10 08 09       | other slags   |
| 10 08 13       | carbon-containing wastes from anode manufacture other than those mentioned in 10 08 12            |
| 10 08 14       | anode scrap   |
| 10 08 15*      | flue-gas dust containing dangerous substances   |
| 10 08 16       | flue-gas dust other than those mentioned in 10 08 15  |
| 10 08 17*      | sludges and filter cakes from flue-gas treatment containing dangerous substances                  |
| 10 08 18       | sludges and filter cakes from flue-gas treatment other than those mentioned in 10 08 17           |
| 10 08 19*      | wastes from cooling-water treatment containing oil  |
| 10 08 20       | wastes from cooling-water treatment other than those mentioned in 10 08 19                        |
| 10 08 99       | wastes not otherwise specified  |
| 10 09 03       | furnace slag  |
| 10 09 05*      | casting cores and moulds which have not undergone pouring containing dangerous substances         |
| 10 09 06       | casting cores and moulds which have not undergone pouring other than those mentioned in 10 09 05  |
| 10 09 07*      | casting cores and moulds which have undergone pouring containing dangerous substances             |
| 10 09 08       | casting cores and moulds have undergone pouring other than those mentioned in 10 09 07            |
| 10 09 09*      | flue-gas dust containing dangerous substances   |
| 10 09 10       | flue-gas dust other than those mentioned in 10 09 09  |
| 10 09 11*      | other particulates containing dangerous substances  |
| 10 09 12       | other particulates other than those mentioned in 10 09 11   |
| 10 09 13*      | waste binders containing dangerous substances   |
| 10 09 14       | waste binders other than those mentioned in 10 09 13  |
| 10 09 99       | wastes not otherwise specified  |
| 10 10 03       | furnace slag  |
| 10 10 05*      | casting cores and moulds which have not undergone pouring containing dangerous substances         |
| 10 10 06       | casting cores and moulds which have not undergone pouring, other than those mentioned in 10 10 05 |
| 10 10 07*      | casting cores and moulds which have undergone pouring containing dangerous substances             |
| 10 10 08       | casting cores and moulds which have undergone pouring, other than those mentioned in 10 10 07     |
| 10 10 09*      | flue-gas dust containing dangerous substances   |
| 10 10 10       | waste preparation mixture before thermal processing, other than those mentioned in 10 11 09       |
| 10 10 11*      | other particulates containing dangerous substances  |
| 10 10 12       | waste glass other than those mentioned in 10 11 11  |
| 10 10 13*      | waste binders containing dangerous substances   |
| 10 10 14       | waste binders other than those mentioned in 10 10 13  |
| 10 10 99       | wastes not otherwise specified  |


| waste-<br>code | Waste Designation  |
|----------------|--|
| 10 11 03       | waste glass-based fibrous materials  |
| 10 11 05       | particulates and dust  |
| 10 11 09*      | waste preparation mixture before thermal processing, containing dangerous substances                         |
| 10 11 10       | waste preparation mixture before thermal processing, other than those mentioned in 10 11 09                  |
| 10 11 11*      | waste glass in small particles and glass powder containing heavy metals (for example from cathode ray tubes) |
| 10 11 12       | waste glass other than those mentioned in 10 11 11   |
| 10 11 13*      | glass-polishing and -grinding sludge containing dangerous substances   |
| 10 11 14       | glass-polishing and -grinding sludge other than those mentioned in 10 11 13                                  |
| 10 11 15*      | solid wastes from flue-gas treatment containing dangerous substances   |
| 10 11 16       | solid wastes from flue-gas treatment other than those mentioned in 10 11 15                                  |
| 10 11 17*      | sludges and filter cakes from flue-gas treatment containing dangerous substances                             |
| 10 11 18       | sludges and filter cakes from flue-gas treatment other than those mentioned in 10 11 17                      |
| 10 11 19*      | solid wastes from on-site effluent treatment containing dangerous substances                                 |
| 10 11 20       | solid wastes from on-site effluent treatment other than those mentioned in 10 11 19                          |
| 10 11 99       | wastes not otherwise specified   |
| 10 12 03       | particulates and dust  |
| 10 12 05       | sludges and filter cakes from gas treatment  |
| 10 12 06       | discarded moulds   |
| 10 12 08       | waste ceramics, bricks, tiles and construction products (after thermal processing)                           |
| 10 12 09*      | solid wastes from gas treatment containing dangerous substances  |
| 10 12 10       | solid wastes from gas treatment other than those mentioned in 10 12 09                                       |
| 10 12 11*      | wastes from glazing containing heavy metals  |
| 10 12 12       | wastes from glazing other than those mentioned in 10 12 11   |
| 10 12 13       | sludge from on-site effluent treatment   |
| 10 12 99       | wastes not otherwise specified   |
| 10 13 06       | particulates and dust (except 10 13 12 and 10 13 13)   |
| 10 13 07       | sludges and filter cakes from gas treatment  |
| 10 13 09*      | wastes from asbestos-cement manufacture containing asbestos  |
| 10 13 10       | wastes from asbestos-cement manufacture other than those mentioned in 10 13 09                               |
| 10 13 11       | wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10             |
| 10 13 12*      | solid wastes from gas treatment containing dangerous substances  |
| 10 13 13       | solid wastes from gas treatment other than those mentioned in 10 13 12                                       |
| 10 13 14       | waste concrete and concrete sludge   |
| 10 13 99       | wastes not otherwise specified   |
| 10 14 01*      | waste from gas cleaning containing mercury   |
| 11 01 08*      | phosphatising sludges  |
| 11 01 09*      | sludges and filter cakes containing dangerous substances   |
| 11 01 10       | sludges and filter cakes other than those mentioned in 11 01 09  |
| 11 01 13*      | degreasing wastes containing dangerous substances  |
| 11 01 99       | wastes not otherwise specified   |
| 11 02 02*      | sludges from zinc hydrometallurgy (including jarosite, goethite)   |
| 11 02 03       | wastes from the production of anodes for aqueous electrolytical processes                                    |
| 11 02 05*      | wastes from copper hydrometallurgical processes containing dangerous substances                              |
| 11 02 06       | wastes from copper hydrometallurgical processes other than those mentioned in 11 02 05                       |
| 11 02 07*      | other wastes containing dangerous substances   |
| 11 02 99       | wastes not otherwise specified   |
| 11 03 01*      | waste containing cyanide   |
| 11 03 02*      | other wastes   |

| waste-<br>code | Waste Designation  |
|----------------|--|
| 11 05 01       | hard zinc  |
| 11 05 02       | zinc ash   |
| 11 05 03*      | solid wastes from gas treatment  |
| 11 05 04*      | spent flux   |
| 11 05 99       | wastes not otherwise specified   |
| 12 01 14*      | machining sludges containing dangerous substances  |
| 12 01 15       | machining sludges other than those mentioned in 12 01 14   |
| 12 01 16*      | waste blasting material containing dangerous substances  |
| 12 01 17       | waste blasting material other than those mentioned in 12 01 16   |
| 12 01 18*      | metal sludge (grinding, honing and lapping sludge) containing oil  |
| 12 01 20*      | spent grinding bodies and grinding materials containing dangerous substances                               |
| 12 01 21       | spent grinding bodies and grinding materials other than those mentioned in 12 01 20                        |
| 12 01 99       | wastes not otherwise specified   |
| 16 01 08*      | components containing mercury  |
| 16 01 11*      | brake pads containing asbestos   |
| 16 01 12       | brake pads other than those mentioned in 16 01 11  |
| 16 01 21*      | hazardous components other than those mentioned in 16 01 07 to 16 01 11 and 16 01 13 and 16 01 14          |
| 16 02 15*      | hazardous components removed from discarded equipment  |
| 16 03 03*      | inorganic wastes containing dangerous substances   |
| 16 03 04       | inorganic wastes other than those mentioned in 16 03 03  |
| 16 05 07*      | discarded inorganic chemicals consisting of or containing dangerous substances                             |
| 16 05 09       | discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08                           |
| 16 06 01*      | lead batteries   |
| 16 06 02*      | Ni-Cd batteries  |
| 16 06 03*      | mercury-containing batteries   |
| 16 06 04       | alkaline batteries (except 16 06 03)   |
| 16 06 05       | other batteries and accumulators   |
| 16 06 06*      | separately collected electrolyte from batteries and accumulators   |
| 16 08 02*      | spent catalysts containing dangerous transition metals or dangerous transition metal compounds             |
| 16 08 03       | spent catalysts containing transition metals or transition metal compounds not otherwise specified         |
| 16 08 04       | spent fluid catalytic cracking catalysts (except 16 08 07)   |
| 16 08 05*      | spent catalysts containing phosphoric acid   |
| 16 08 07*      | spent catalysts contaminated with dangerous substances   |
| 16 11 03*      | other linings and refractories from metallurgical processes containing dangerous substances                |
| 16 11 04       | other linings and refractories from metallurgical processes other than those mentioned in 16 11 03         |
| 16 11 05*      | linings and refractories from non-metallurgical processes containing dangerous substances                  |
| 16 11 06       | linings and refractories from non-metallurgical processes other than those mentioned in 16 11 05           |
| 17 01 06*      | mixtures of, or separate fractions of concrete, bricks, tiles and ceramics containing dangerous substances |
| 17 02 04*      | glass, plastic and wood containing or contaminated with dangerous substances                               |
| 17 03 01*      | bituminous mixtures containing coal tar  |
| 17 03 02       | bituminous mixtures containing other than those mentioned in 17 03 01                                      |
| 17 04 09*      | metal waste contaminated with dangerous substances   |
| 17 04 10*      | cables containing oil, coal tar and other dangerous substances   |
| 17 04 11       | cables other than those mentioned in 17 04 10  |

| waste-<br>code | Waste Designation  |
|----------------|--|
| 17 05 03*      | soil and stones containing dangerous substances  |
| 17 05 04       | soil and stones other than those mentioned in 17 05 03   |
| 17 05 05*      | dredging spoil containing dangerous substances   |
| 17 05 06       | dredging spoil other than those mentioned 17 05 05   |
| 17 05 07*      | track ballast containing dangerous substances  |
| 17 05 08       | track ballast other than those mentioned in 17 05 07   |
| 17 06 01*      | insulation materials containing asbestos   |
| 17 06 03*      | other insulation materials consisting of or containing dangerous substances                            |
| 17 06 04       | insulation materials other than those mentioned in 17 06 01 and 17 06 03                               |
| 17 06 05*      | construction materials containing asbestos   |
| 17 08 01*      | gypsum-based construction materials contaminated with dangerous substances                             |
| 17 08 02       | gypsum-based construction materials other than those mentioned in 17 08 01                             |
| 17 09 01*      | construction and demolition wastes containing mercury  |
| 17 09 03*      | other construction and demolition wastes (including mixed wastes) containing dangerous substances      |
| 17 09 04       | mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03 |
| 18 01 06*      | chemicals consisting of or containing dangerous substances   |
| 18 01 07       | chemicals other than those mentioned in 18 01 06   |
| 19 01 02       | ferrous materials removed from bottom ash  |
| 19 01 05*      | filter cake from gas treatment   |
| 19 01 07*      | solid wastes from gas treatment  |
| 19 01 10*      | spent activated carbon from flue-gas treatment   |
| 19 01 11*      | bottom ash and slag containing dangerous substances  |
| 19 01 12       | bottom ash and slag other than those mentioned in 19 01 11   |
| 19 01 13*      | fly ash containing dangerous substances  |
| 19 01 14       | fly ash other than those mentioned in 19 01 13   |
| 19 01 15*      | boiler dust containing dangerous substances  |
| 19 01 16       | boiler dust other than those mentioned in 19 01 15   |
| 19 01 19       | sands from fluidised beds  |
| 19 01 99       | wastes not otherwise specified   |
| 19 02 03       | premixed wastes composed only of non-hazardous wastes  |
| 19 02 04*      | premixed wastes composed of at least one hazardous waste   |
| 19 02 05*      | sludges from physico/chemical treatment containing dangerous substances                                |
| 19 02 06       | sludges from physico/chemical treatment other than those mentioned in 19 02 05                         |
| 19 02 11*      | other wastes containing dangerous substances   |
| 19 02 99       | wastes not otherwise specified   |
| 19 03 04*      | wastes marked as hazardous, partly stabilised  |
| 19 03 05       | stabilised wastes other than those mentioned in 19 03 04   |
| 19 03 06*      | wastes marked as hazardous, solidified   |
| 19 03 07       | solidified wastes other than those mentioned in 19 03 06   |
| 19 04 01       | vitrified waste  |
| 19 04 02*      | fly ash and other flue-gas treatment wastes  |
| 19 04 03*      | non-vitrified solid phase  |
| 19 08 02       | waste from desanding   |
| 19 08 06*      | saturated or spent ion exchange resins   |
| 19 08 08*      | membrane system waste containing heavy metals  |
| 19 08 13*      | sludges containing dangerous substances from other treatment of industrial waste water                 |
| 19 08 14       | sludges from other treatment of industrial waste water other than those mentioned in 19 08 13          |

| waste-<br>code | Waste Designation   |
|----------------|---|
| 19 09 04       | spent activated carbon  |
| 19 09 05       | saturated or spent ion exchange resins  |
| 19 10 03*      | fluff-light fraction and dust containing dangerous substances   |
| 19 10 04       | fluff-light fraction and dust other than those mentioned in 19 10 03  |
| 19 10 05*      | other fractions containing dangerous substances   |
| 19 11 01*      | spent filter clays  |
| 19 11 06       | sludges from on-site effluent treatment other than those mentioned in 19 11 05                                    |
| 19 12 11*      | other wastes (including mixtures of materials) from mechanical treatment of waste containing dangerous substances |
| 19 13 01*      | solid wastes from soil remediation containing dangerous substances  |
| 19 13 02       | solid wastes from soil remediation other than those mentioned in 19 13 01   |
| 19 13 03*      | sludges from soil remediation containing dangerous substances   |
| 19 13 04       | sludges from soil remediation other than those mentioned in 19 13 03  |
| 19 13 05*      | sludges from groundwater remediation containing dangerous substances  |
| 20 01 34       | batteries and accumulators other than those mentioned in 20 01 33   |

Arnstadt, 27.11.2019  
(city, date)

  
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(representative expert)