

REPUBLIC OF BULGARIA

Ministry of Environment and Water

REGIONAL INSPECTORATE OF ENVIRONMENT AND WATER, town of RUSE

DECISION

No. 1 O- DO – 625-00 dated 28 Dec. 2012

On the basis of Art. TI, Paragraph 1, in relation to Art. 35, Paragraph 1, Item 1 of the Waste Management Act (WMA) and in relation to Application No. AO 6314 dated 03 Dec. 2012

IT IS HEREBY PERMITTED

TO SIRIUS STAR BG LTD.

UIC:200632468

Seat and registered office: district of Ruse, municipality of Ruse, town of Ruse,
2 Otets Paisii Square

Person managing/representing the company: Biser Simeonov Kazandzhiev

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I. To implement waste treatment activities at the following treatment site:

1. Site No. 1 located at: town of Ruse, district of Ruse, municipality of Ruse,
9 Tutrakan Blvd., Regulated Land Property No. 63427.8.326, East Industrial Zone
according to the layout plan of the town of Ruse.

1.2. The type (code and name), quantity, origin of waste and treatment activities for
which the company applies, are given in the table below.

01 WASTE RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS

01 01 wastes from mineral excavation

01 01 01 wastes from mineral metalliferous excavation

01 01 02 wastes from mineral non-metalliferous excavation

01 03 wastes from physical and chemical processing of metalliferous minerals

01 03 04* acid-generating tailings from processing of sulphide ore

01 03 05* other tailings containing dangerous substances

01 03 07* other wastes containing dangerous substances from physical and chemical processing of metalliferous minerals

01 04 wastes from physical and chemical processing of non-metalliferous minerals

01 04 07* waste containing dangerous substances from physical and chemical processing of nonmetalliferous minerals

01 04 09 waste sand and clays

01 05 drilling muds and other drilling wastes

01 05 04 freshwater drilling muds and wastes

01 05 05* oil-containing drilling muds and wastes

01 05 06* drilling muds and other drilling wastes containing dangerous substances

02 WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING

02 01 wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing

02 01 08* agrochemical waste containing dangerous substances

02 01 09 agrochemical waste other than those mentioned in 02 01 08

02 02 wastes from the preparation and processing of meat, fish and other foods of animal origin

02 02 04 sludges from on-site effluent treatment

02 03 wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tobacco preparation and processing; conserve production; yeast and yeast extract production, molasses preparation and fermentation

02 03 01 sludges from washing, cleaning, peeling, centrifuging and separation

02 03 05 sludges from on-site effluent treatment

02 04 wastes from sugar processing

02 05 wastes from the dairy products industry

02 05 02 sludges from on-site effluent treatment

02 06 wastes from the baking and confectionery industry

02 06 03 sludges from on-site effluent treatment

02 07 wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa)

02 07 01 wastes from washing, cleaning and mechanical reduction of raw materials

02 07 05 sludges from on-site effluent treatment

03 WASTES FROM WOOD PROCESSING AND THE PRODUCTION OF PANELS AND FURNITURE, PULP, PAPER AND CARDBOARD

03 01 wastes from wood processing and the production of panels and furniture

03 01 04* sawdust, shavings, cuttings, wood, particle board and veneer containing dangerous Substances

03 02 wastes from wood preservation

03 02 01* non-halogenated organic wood preservatives

03 02 02* organochlorinated wood preservatives

03 02 03* organometallic wood preservatives

03 02 04* inorganic wood preservatives

03 02 05* other wood preservatives containing dangerous substances

03 03 wastes from pulp, paper and cardboard production and processing

03 03 11 sludges from on-site effluent treatment other than those mentioned in 03 03 10

04 WASTES FROM THE LEATHER, FUR AND TEXTILE INDUSTRIES

04 01 wastes from the leather and fur industry

04 01 03* degreasing wastes containing solvents without a liquid phase

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 08 waste tanned leather (blue sheetings, shavings, cuttings, buffing dust) containing chromium

04 02 wastes from the textile industry

04 02 14* wastes from finishing containing organic solvents
04 02 16* dyestuffs and pigments containing dangerous substances
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 WASTES FROM PETROLEUM REFINING, NATURAL GAS PURIFICATION AND PYROLYTIC TREATMENT OF COAL

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05 01 wastes from petroleum refining

05 01 02* desalter sludges
05 01 03* tank bottom sludges
05 01 04* acid alkyl sludges
05 01 05* oil spills
05 01 06* oily sludges from maintenance operations of the plant or equipment
05 01 07* acid tars
05 01 08* other tars
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 11* wastes from cleaning of fuels with bases
05 01 12* oil containing acids
05 01 13 boiler feedwater sludges
05 01 14 wastes from cooling columns
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

05 06 waste from the pyrolytic treatment of coal

05 06 01* acid tars
05 06 03* other tars
05 06 04 waste from cooling columns

05 07 waste from natural gas purification and transportation

05 07 01* wastes containing mercury
05 07 02 wastes containing sulphur

06 WASTES FROM INORGANIC CHEMICAL PROCESSES

06 01 wastes from the manufacture, formulation, supply and use (MFSU) of acids

06 01 01* sulphuric acid and sulphurous acid
06 01 02* hydrochloric acid
06 01 03* hydrochloric acid
06 01 04* phosphoric and phosphorous acid
06 01 05* nitric acid and nitrous acid

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06 01 06* other acids

06 02 wastes from the MFSU of bases

06 02 01* calcium hydroxide
06 02 03* ammonium hydroxide
06 02 04* sodium and potassium hydroxide
06 02 05* other bases

06 03 wastes from the MFSU of salts and their solutions and metallic oxides

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 04 metal-containing wastes other than those mentioned in 06 03

06 04 03* wastes containing arsenic

06 04 04* wastes containing mercury

06 04 05* wastes containing other heavy metals

06 05 sludges from on-site effluent treatment

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 wastes from the MFSU of sulphur chemicals, sulphur chemical processes and desulphurisation processes

06 06 02* wastes containing dangerous sulphides

06 06 03 wastes containing sulphides other than those mentioned in 06 06 02

06 07 wastes from the MFSU of halogens and halogen chemical processes

06 07 01* wastes containing asbestos from electrolysis

06 07 02* activated carbon from chlorine production

06 07 03* barium sulphate sludge containing mercury

06 07 04* solutions and acids, for example contact acid

06 08 wastes from the MFSU of silicon and silicon derivatives

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06 08 02* waste containing dangerous silicones

06 09 wastes from the MFSU of phosphorus chemicals and phosphorous chemical processes

06 09 03* calcium-based reaction wastes containing or contaminated with dangerous substances

06 10 wastes from the MFSU of nitrogen chemicals, nitrogen chemical processes and fertiliser manufacture

06 10 02* wastes containing dangerous substances

06 11 wastes from the manufacture of inorganic pigments and opacifiers

06 13 wastes from inorganic chemical processes 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

06 13 99 wastes not otherwise specified

07 WASTES FROM ORGANIC CHEMICAL PROCESSES

07 01 wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals

07 01 01* aqueous washing liquids and mother liquors

07 01 03* organic halogenated solvents, washing liquids and mother liquors

07 01 04* other organic solvents, washing liquids and mother liquors

07 01 07* halogenated still bottoms and reaction residues

07 01 08* other still bottoms and reaction residues

07 01 09* halogenated filter cakes and spent absorbents

07 01 10* other filter cakes and spent absorbents

07 01 11* sludges from on-site effluent treatment containing dangerous substances

07 01 12 sludges from on-site effluent treatment other than those mentioned in 07 01 11

07 01 99 wastes not otherwise specified

07 02 wastes from the MFSU of plastics, synthetic rubber and man-made fibres

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07 02 01* aqueous washing liquids and mother liquors

07 02 03* organic halogenated solvents, washing liquids and mother liquors

07 02 04* other organic solvents, washing liquids and mother liquors

07 02 07* halogenated still bottoms and reaction residues

07 02 08* other still bottoms and reaction residues

07 02 09* halogenated filter cakes and spent absorbents

07 02 10* other filter cakes and spent absorbents

07 02 11* sludges from on-site effluent treatment containing dangerous substances

07 02 13 waste plastic

07 02 14* wastes from additives containing dangerous substances

07 02 16* waste containing dangerous silicones

07 03 wastes from the MFSU of organic dyes and pigments (except 06 11)

07 03 01* aqueous washing liquids and mother liquors

07 03 03* organic halogenated solvents, washing liquids and mother liquors

07 03 04* other organic solvents, washing liquids and mother liquors
07 03 07* halogenated still bottoms and reaction residues
07 03 08* other still bottoms and reaction residues
07 03 09* halogenated filter cakes and spent absorbents
07 03 10* other filter cakes and spent absorbents
07 03 11* sludges from on-site effluent treatment containing dangerous substances
07 03 12 sludges from on-site effluent treatment other than those mentioned in 07 03 11
07 04 wastes from the MFSU of organic plant protection products (except 02 01 08 and 02 01 09), wood preserving agents (except 03 02) and other biocides
07 04 01* aqueous washing liquids and mother liquors
07 04 03* organic halogenated solvents, washing liquids and mother liquors
07 04 04* other organic solvents, washing liquids and mother liquors
07 04 07* halogenated still bottoms and reaction residues
07 04 08* other still bottoms and reaction residues
07 04 09* halogenated filter cakes and spent absorbents
07 04 10* other filter cakes and spent absorbents
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07 04 11* sludges from on-site effluent treatment containing dangerous substances
07 04 12 sludges from on-site effluent treatment other than those mentioned in 07 04 11
07 04 13* solid wastes containing dangerous substances
07 05 wastes from the MFSU of pharmaceuticals
07 05 01* aqueous washing liquids and mother liquors
07 05 03* organic halogenated solvents, washing liquids and mother liquors
07 05 04* other organic solvents, washing liquids and mother liquors
07 05 07* halogenated still bottoms and reaction residues
07 05 08* other still bottoms and reaction residues
07 05 09* halogenated filter cakes and spent absorbents
07 05 10* other filter cakes and spent absorbents
07 05 11* sludges from on-site effluent treatment containing dangerous substances
07 05 13* solid wastes containing dangerous substances
07 05 14 solid wastes other than those mentioned in 07 05 13
07 05 99 wastes not otherwise specified
07 06 wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics
07 06 01* aqueous washing liquids and mother liquors
07 06 03* organic halogenated solvents, washing liquids and mother liquors
07 06 04* other organic solvents, washing liquids and mother liquors
07 06 07* halogenated still bottoms and reaction residues
07 06 08* other still bottoms and reaction residues
07 06 09* halogenated filter cakes and spent absorbents
07 06 10* other filter cakes and spent absorbents
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 wastes from the MFSU of fine chemicals and chemical products not otherwise specified
07 07 01* aqueous washing liquids and mother liquors
07 07 03* organic halogenated solvents, washing liquids and mother liquors
07 07 04* other organic solvents, washing liquids and mother liquors
07 07 07* halogenated still bottoms and reaction residues
07 07 08* other still bottoms and reaction residues
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07 07 09* halogenated filter cakes and spent absorbents
07 07 10* other filter cakes and spent absorbents
07 07 11* sludges from on-site effluent treatment containing dangerous substances
07 07 12 sludges from on-site effluent treatment other than those mentioned in 07 07 11
08 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS,) ADHESIVES, SEALANTS AND PRINTING INKS
08 01 wastes from MFSU and removal of paint and varnish
08 01 11* waste paint and varnish containing organic solvents or other dangerous substances

08 01 12 waste paint and varnish other than those mentioned in 08 01 11
08 01 13* sludges from paint or varnish containing organic solvents or other dangerous substances
08 01 15* aqueous sludges containing paint or varnish containing organic solvents or other dangerous substances
08 01 17* wastes from paint or varnish removal containing organic solvents or other dangerous substances
08 01 19* aqueous suspensions containing paint or varnish containing organic solvents or other dangerous substances
08 01 21* waste paint or varnish remover

08 02 wastes from MFSU of other coatings (including ceramic materials)

08 03 wastes from MFSU of printing inks

08 03 12* waste ink containing dangerous substances
08 03 14* ink sludges containing dangerous substances
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08 03 16* waste etching solutions
08 03 17* waste printing toner containing dangerous substances
08 03 19* disperse oil

08 04 wastes from MFSU of adhesives and sealants (including waterproofing products)

08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances
08 04 11* adhesive and sealant sludges containing organic solvents or other dangerous substances
08 04 13* aqueous sludges containing adhesives or sealants containing organic solvents or other dangerous substances
08 04 15* aqueous liquid waste containing adhesives or sealants containing organic solvents or other dangerous substances
08 04 17* rosin oil

08 05 wastes not otherwise specified in 08

08 05 01* waste isocyanates

09 WASTES FROM THE PHOTOGRAPHIC INDUSTRY

09 01 wastes for the photographic industry

09 01 01* water-based developer and activator solutions
09 01 02* water-based offset plate developer solutions
09 01 03* solvent-based developer solutions
09 01 04* fixed solutions
09 01 05* bleach solutions and bleach fixer solutions
09 01 06* wastes containing silver from on-site treatment of photographic wastes
09 01 11* single-use cameras containing batteries included in 16 06 01, 16 06 02 or 16 06 03
09 01 13* aqueous liquid waste from on-site reclamation of silver other than those mentioned in 09 01 06

10 WASTES FROM THERMAL PROCESSES

10 01 wastes from power stations and other combustion plants (except 19)

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 04* oil fly ash and boiler dust
10 01 09* sulphuric acid
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 20* sludges from on-site effluent treatment containing dangerous substances
10 01 22* aqueous sludges from boiler cleansing containing dangerous substances
10 01 25 wastes from fuel storage and preparation of coal-fired power plants
10 01 26 wastes from cooling-water treatment

10 02 wastes from the iron and steel industry

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 11* wastes from cooling-water treatment containing oil

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10 02 13* sludges and filter cakes from gas treatment containing dangerous substances

10 03 wastes from aluminium thermal metallurgy

- 10 03 02 anode scraps
- 10 03 04* primary production slags
- 10 03 08* salt slags from secondary production
- 10 03 09* black drosses from secondary production
- 10 03 15* skimmings that are flammable or emit, upon contact with water, flammable gases in dangerous quantities
- 10 03 17* tar-containing wastes from anode manufacture
- 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 27* wastes from cooling-water treatment containing oil
- 10 03 29* waste from treatment of salt slags and black drosses containing dangerous substances

10 04 wastes from lead thermal metallurgy

- 10 04 01* slags from primary and secondary production
- 10 04 02* dross and skimmings from primary and secondary production
- 10 04 03* calcium arsenate
- 10 04 04* flue-gas dust

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- 10 04 05* other particulates and dust
- 10 04 06* solid wastes from gas treatment
- 10 04 09* wastes from cooling-water treatment containing oil
- 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 08* wastes from cooling-water treatment containing oil
- 10 05 10* dross and skimmings that are flammable or emit, upon contact with water, flammable gases in dangerous quantities

10 06 wastes from copper thermal metallurgy

- 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 06* solid wastes from gas treatment
- 10 06 07* sludges and filter cakes from has treatment
- 10 06 09* wastes from cooling-water treatment containing oil

10 07 wastes from silver, gold and platinum thermal metallurgy

- 10 07 07* wastes from cooling-water treatment containing oil

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- 10 07 08 wastes from cooling-water treatment other than those mentioned in 10 07 07
- 10 07 99 wastes not otherwise specified

10 08 wastes from other non-ferrous thermal metallurgy

- 10 08 04 particulates and dust
- 10 08 08* salt slag from primary and secondary production
- 10 08 10* dross and skimming that are flammable or emit, upon the contact with water, flammable gases in dangerous quantities
- 10 08 12* tar-containing waste from anode manufacture
- 10 08 14 anode scrap
- 10 08 15* flue-gas dust containing dangerous substances
- 10 08 17* sludges and filter cakes from flue-gas treatment containing dangerous substances
- 10 08 19* wastes from cooling-water treatment containing oil

10 09 wastes from casting of ferrous pieces

- 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 09* flue-gas dust containing dangerous substances
10 09 11* other particulates containing dangerous substances
10 09 13* waste binders containing dangerous substances
10 09 15* waste crack-indicating agent containing dangerous substances
10 09 16 waste crack-indicating agent other than those mentioned in 10 09 15
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10 10 wastes from casting of non-ferrous pieces

10 10 03 furnace slag
10 10 05* casting cores and moulds which have not undergone pouring, containing dangerous substances
10 10 07* casting cores and moulds which have undergone pouring, containing dangerous substances
10 10 09* flue-gas dust containing dangerous substances
10 10 11* other particulates containing dangerous substances
10 10 13* waste binders containing dangerous substances
10 10 15* waste crack-indicating agent containing dangerous substances

10 11 wastes from manufacture of glass and glass products

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 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 17* sludges and filter cakes from flue-gas treatment containing dangerous substances
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 wastes from manufacture of ceramic goods, bricks, tiles and construction products

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10 12 09* solid wastes from gas treatment containing dangerous substances
10 12 11* wastes from glazing containing heavy metals
10 12 13 sludge from on-site effluent treatment

10 13 wastes from manufacture of cement, lime and plaster and articles and products made from them

10 13 09* wastes from asbestos-cement manufacture containing asbestos
10 13 12* solid wastes from gas treatment containing dangerous substances

10 14 waste from crematoria

11 WASTES FROM CHEMICAL SURFACE TREATMENT AND COATING OF METALS AND OTHER MATERIALS; NON-FERROUS HYDRO-METALLURGY

11 01 wastes from chemical surface treatment and coating of metals and other materials (for example galvanic processes, zinc coating processes, pickling processes, etching, phosphating, alkaline degreasing, anodising)

11 01 05* pickling acids
11 01 06* acids not otherwise specified
11 01 07* pickling bases
11 01 08* phosphatising sludges

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11 01 09* sludges and filter cakes containing dangerous substances
11 01 11* aqueous rinsing liquids containing dangerous substances
11 01 13* degreasing wastes containing dangerous substances
11 01 15* eluate and sludges from membrane systems or ion exchange systems containing dangerous substances
11 01 16* saturated or spent ion exchange resins
11 01 98* other wastes containing dangerous substances

11 02 waste from non-ferrous hydrometallurgical processes

11 02 02* sludges from zinc hydrometallurgy (including jarosite, goethite)

11 02 05* wastes from copper hydrometallurgical processes containing dangerous substances
11 02 07* other wastes containing dangerous substances

11 03 sludges and solids from tempering processes

11 03 01* waste containing cyanide
11 03 02* other wastes

11 05 wastes from hot galvanising processes

11 05 01 hard zinc
11 05 02 zinc ash
11 05 03* solid wastes from gas treatment
11 05 04* spent flux

12 WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS

12 01 wastes from shaping and physical and mechanical surface treatment of metals and plastics

12 01 05 plastics shavings and turnings
12 01 06* mineral-based machining oils containing halogens (except emulsions and solutions)
12 01 07* mineral-based machining oils free of halogens (except emulsions and solutions)
12 01 08* machining emulsions and solutions containing halogens
12 01 09* machining emulsions and solutions free of halogens
12 01 10* synthetic machining oils
12 01 12* spent waxes and fats
12 01 13 welding wastes
12 01 14* machining sludges containing dangerous substances
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 19* readily biodegradable machining oil
12 01 20* spent grinding bodies and grinding materials containing dangerous substances

12 03 wastes from water and steam degreasing processes (except 11)

12 03 01* aqueous washing liquids
12 03 02* steam degreasing wastes

13 OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19)

13 01 waste hydraulic oils

13 01 01* hydraulic oils, containing PCBs ⁽¹⁵⁾
13 01 04* chlorinated emulsions
13 01 05* non-chlorinated emulsions
13 01 09* mineral-based chlorinated hydraulic oils
13 01 10* mineral-based non-chlorinated hydraulic oils
13 01 11* synthetic hydraulic oils
13 01 12* readily biodegradable hydraulic oils
13 01 13* other hydraulic oils

13 02 waste engine, gear and lubricating oils

13 02 04* mineral-based chlorinated engine, gear and lubricating oils

¹⁵ For the purpose of this list of wastes, PCBs will be defined as in Directive 96/59/EC.

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13 02 05* mineral-based non-chlorinated engine, gear and lubricating oils
13 02 06* synthetic engine, gear and lubricating oils
13 02 07* readily biodegradable engine, gear and lubricating oils
13 02 08* other engine, gear and lubricating oils

13 03 waste insulating and heat transmission oils

13 03 01* insulating or heat transmission oils containing PCBs
13 03 06* mineral-based chlorinated insulating and heat transmission oils other than those mentioned in 13 03 01

13 03 07* mineral-based non-chlorinated insulating and heat transmission oils
13 03 08* synthetic insulating and heat transmission oils
13 03 09* readily biodegradable insulating and heat transmission oils
13 03 10* other insulating and heat transmission oils

13 04 bilge oils

13 04 01* bilge oils from inland navigation

13 04 02* bilge oils from jetty sewers
13 04 03* bilge oils from other navigation

13 05 oil/water separator contents

13 05 01* solids from grit chambers and oil/water separators
13 05 02* sludges from oil/water separators
13 05 03* interceptor sludges
13 05 06* oil from oil/water separators
13 05 07* oily water from oil/water separators
13 05 08* mixtures of wastes from grit chambers and oil/water separators

13 07 wastes of liquid fuels

13 07 01* fuel oil and diesel
13 07 02* petrol
13 07 03* other fuels (including mixtures)

13 08 oil wastes not otherwise specified

13 08 01* desalter sludges or emulsions
13 08 02* other emulsions

14 WASTE ORGANIC SOLVENTS, REFRIGERANTS AND PROPELLANTS (except 07 and 08)

14 06 waste organic solvents, refrigerants and foam/aerosol propellants

14 06 01* chlorofluorocarbons, HCFC, HFC
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14 06 02* other halogenated solvents and solvent mixtures
14 06 03* other solvents and solvent mixtures
14 06 04* sludges or solid wastes containing halogenated solvents
14 06 05* sludges or solid wastes containing other solvents

15 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED

15 01 packaging (including separately collected municipal packaging waste)

15 01 01 paper and cardboard packaging
15 01 02 plastic packaging
15 01 04 metallic packaging
15 01 07 glass packaging
15 01 10* packaging containing residues of or contaminated by dangerous substances
15 01 11* metallic packaging containing a dangerous solid porous matrix (for example asbestos), including empty pressure containers

15 02 absorbents, filter materials, wiping cloths and protective clothing

15 02 02* absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances

16 WASTES NOT OTHERWISE SPECIFIED IN THE LIST

16 01 end-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)

16 01 03 end-of-life tyres
16 01 06 end-of-life vehicles, containing neither liquids nor other hazardous components
16 01 07* oil filters
16 01 08* components containing mercury
16 01 09* components containing PCBs
16 01 10* explosive components (for example air bags)
16 01 11* brake pads containing asbestos

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16 01 13* brake fluids
16 01 14* antifreeze fluids containing dangerous substances
16 01 15 antifreeze fluids other than those mentioned in 16 01 14
16 01 16 tanks for liquefied gas
16 01 19 plastic
16 01 20 glass
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 wastes from electrical and electronic equipment

16 02 09* transformers and capacitors containing PCBs
 16 02 10* discarded equipment containing or contaminated by PCBs other than those mentioned in 16 02 09
 16 02 11* discarded equipment containing chlorofluorocarbons, HCFC, HFC
 16 02 12* discarded equipment containing free asbestos
 16 02 13* discarded equipment containing hazardous components ⁽¹⁶⁾ other than those mentioned in 16 02 09 to 16 02 12
 16 02 15* hazardous components removed from discarded equipment
16 03 off-specification batches and unused products
 16 03 03* inorganic wastes containing dangerous substances
 16 03 05* organic wastes containing dangerous substances
16 04 waste explosives
16 05 gases in pressure containers and discarded chemicals
 16 05 06* laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals
 16 05 07* discarded inorganic chemicals consisting of or containing dangerous substances
 16 05 08* discarded organic chemicals consisting of or containing dangerous substances
16 06 batteries and accumulators
 16 06 01* lead batteries
 16 06 02* Ni-Cd batteries
 16 06 03* mercury-containing batteries
 16 06 06* separately collected electrolyte from batteries and accumulators
16 07 wastes from transport tank, storage tank and barrel cleaning (except 05 and 13)
 16 07 08* wastes containing oil
 16 07 09* wastes containing other dangerous substances
16 08 spent catalysts
 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 ⁽¹⁷⁾ or dangerous transition metal compounds
 16 08 04 spent fluid catalytic cracking catalysts (except 16 08 07)
 16 08 05* spent catalysts containing phosphoric acid
 16 08 06* spent liquids used as catalysts
 16 08 07* spent catalysts contaminated with dangerous substances
16 09 oxidising substances
 16 09 01* permanganates, for example potassium permanganate
¹⁷ For the purpose of this entry, transition metals are: scandium, vanadium, manganese, cobalt, copper, yttrium, niobium, hafnium, tungsten, titanium, chromium, iron, nickel, zinc, zirconium, molybdenum and tantalum. These metals or their compounds are dangerous if they are classified as dangerous substances. The classification of dangerous substances shall determine which among those transition metals and which transition metal compounds are hazardous.
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 16 09 02* chromates, for example potassium chromate, potassium or sodium dichromate
 16 09 03* peroxides, for example hydrogen peroxide
 16 09 04* oxidising substances, not otherwise specified
16 10 aqueous liquid wastes destined for off-site treatment
 16 10 01* aqueous liquid wastes containing dangerous substances
 16 10 03* aqueous concentrates containing dangerous substances
 16 10 04 aqueous concentrates other than those mentioned in 16 10 03
16 11 waste linings and refractories
 16 11 01* carbon-based linings and refractories from metallurgical processes containing dangerous substances
 16 11 03* other linings and refractories from metallurgical processes containing dangerous substances
 16 11 05* linings and refractories from non-metallurgical processes containing dangerous substances
17 CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)
17 01 concrete, bricks, tiles and ceramics
 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 01 07 mixture of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06

17 02 wood, glass and plastic

17 02 04* glass, plastic and wood containing or contaminated with dangerous substances

17 03 bituminous mixtures, coal tar and tarred products

17 03 01* bituminous mixtures containing coal tar

17 03 03* coal tar and tarred products

17 04 metals (including their alloys)

17 04 09* metal waste contaminated with dangerous substances

17 04 10* cables containing oil, coal tar and other dangerous substances

17 05 soil (including excavated soil from contaminated sites), stones and dredging spoil

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 06 insulation materials and asbestos-containing construction materials

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 (18)

17 08 gypsum-based construction material

17 08 01* gypsum-based construction materials contaminated with dangerous substances

17 09 other construction and demolition waste

17 09 01* construction and demolition wastes containing mercury

17 09 02* construction and demolition wastes containing pcb (for example pcb-containing sealants, pcb-containing resin-based floorings, pcb-containing sealed glazing units, pcb-containing capacitors)

¹⁸ As far as the landfilling of waste is concerned, Member States may decide to postpone the entry into force of this entry until the establishment of appropriate measures for the treatment and disposal of waste from construction material containing asbestos. These measures are to be established according to the procedure referred to in Article 16 of Council Directive 1999/31/EC on the landfill of waste (OJ L 182, 16.7.1999, p.1) and shall be adopted by 16 July 2002 at the latest.

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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 WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (except kitchen and restaurant wastes not arising from immediate health care)

18 01 wastes from natal care, diagnosis, treatment or prevention of disease in humans

18 01 01 sharps (except 18 01 03)

18 01 03* wastes whose collection and disposal is subject to special requirements in order to prevent infection

18 01 04 wastes whose collection and disposal is not subject to special requirements in order to prevent infection (for example dressings, plaster casts, linen, disposable clothing, diapers)

18 01 06* chemicals consisting of or containing dangerous substances

18 01 07 chemicals other than those mentioned in 18 01 06

18 01 08* cytotoxic and cytostatic medicines

18 01 09 medicines other than those mentioned in 18 01 08

18 01 10* amalgam waste from dental care

18 02 wastes from research, diagnosis, treatment or prevention of disease involving animals

18 02 01 sharps except (18 02 02)

18 02 02* wastes whose collection and disposal is subject to special requirements in order to prevent infection

18 02 03 wastes whose collection and disposal is not subject to special requirements in order to prevent infection

- 18 02 05* chemicals consisting of or containing dangerous substances
- 18 02 06 chemicals other than those mentioned in 18 02 05
- 18 02 07* cytotoxic and cytostatic medicines
- 18 02 08 medicines other than those mentioned in 18 02 07

19 WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE

19 01 wastes from incineration or pyrolysis of waste

- 19 01 05* filter cake from gas treatment
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- 19 01 06* aqueous liquid wastes from gas treatment and other aqueous liquid wastes
- 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 13* fly ash containing dangerous substances
- 19 01 15* boiler dust containing dangerous substances
- 19 01 17* pyrolysis wastes containing dangerous substances

19 02 wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)

- 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 07* oil and concentrates from separation
- 19 02 08* liquid combustible wastes containing dangerous substances
- 19 02 09* solid combustible wastes containing dangerous substances
- 19 02 11* other wastes containing dangerous substances

19 03 stabilised/solidified wastes (19)

19 Stabilisation processes change the dangerousness of the constituents in the waste and thus transform hazardous waste into non-hazardous waste. Solidification processes only change the physical state of the waste (e.g. liquid into solid) by using additives without changing the chemical properties of the waste.

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- 19 03 04* wastes marked as hazardous, partly (20) stabilised
- 19 03 06* wastes marked as hazardous, solidified

19 04 vitrified waste and wastes from vitrification

- 19 04 01 vitrified waste
- 19 04 02* fly ash and other flue-gas treatment wastes
- 19 04 03* non-vitrified solid phase

19 05 wastes from aerobic treatment of solid wastes

19 06 wastes from anaerobic treatment of waste

19 07 landfill leachate

- 19 07 02* landfill leachate containing dangerous substances

19 08 wastes from waste water treatment plants not otherwise specified

- 19 08 05 sludges from treatment of urban waste water
- 19 08 06* saturated or spent ion exchange resins
- 19 08 07* solutions and sludges from regeneration of ion exchangers
- 19 08 08* membrane system waste containing heavy metals
- 19 08 09 grease and oil mixture from oil/water separation containing only edible oil and fats
- 19 08 10* grease and oil mixture from oil/water separation other than those mentioned in 19 08 09
- 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 wastes from the preparation of water intended for human consumption or water for industrial use

- 19 09 05 saturated or spent ion exchange resins

19 10 wastes from shredding of metal-containing wastes

19 10 03* fluff-light fraction and dust containing dangerous substances

19 10 05* other fractions containing dangerous substances

19 11 wastes from oil regeneration

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19 11 01* spent filter clays

19 11 02* acid tars

19 11 03* aqueous liquid wastes

19 11 04* wastes from cleaning of fuel with bases

19 11 05* sludges from on-site effluent treatment containing dangerous substances

19 11 07* wastes from flue-gas cleaning

19 12 wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified

19 12 01 paper and cardboard

19 12 04 plastic and rubber

19 12 05 glass

19 12 06* wood containing dangerous substances

19 12 10 combustible waste (refuse derived fuel)

19 12 11* other wastes (including mixtures of materials) from mechanical treatment of waste containing dangerous substances

19 13 wastes from soil and groundwater remediation

19 13 01* solid wastes from soil remediation containing dangerous substances

19 13 03* sludges from soil remediation containing dangerous substances

19 13 05* sludges from groundwater remediation containing dangerous substances

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19 13 07* aqueous liquid wastes and aqueous concentrates from groundwater remediation containing dangerous substances

19 13 08 aqueous liquid wastes and aqueous concentrates from groundwater remediation other than those mentioned in 19 13 07

20 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS

20 01 separately collected fractions (except 15 01)

20 01 01 paper and cardboard

20 01 02 glass

20 01 08 biodegradable kitchen and canteen waste

20 01 13* solvents

20 01 14* acids

20 01 15* alkalines

20 01 17* photochemicals

20 01 19* pesticides

20 01 21* fluorescent tubes and other mercury-containing waste

20 01 23* discarded equipment containing chlorofluorocarbons

20 01 26* oil and fat other than those mentioned in 20 01 25

20 01 27* paint, inks, adhesives and resins containing dangerous substances

20 01 28 paint, inks, adhesives and resins other than those mentioned in 20 01 27

20 01 29* detergents containing dangerous substances

20 01 31* cytotoxic and cytostatic medicines

20 01 32 medicines other than those mentioned in 20 01 31

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20 01 33* batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries

20 01 37* wood containing dangerous substances

20 01 38 wood other than that mentioned in 20 01 37

20 01 39 plastics

20 01 41 wastes from chimney sweeping

20 01 99 other fractions not otherwise specified

20 02 garden and park wastes (including cemetery waste)

20 02 01 biodegradable waste
20 02 03 other non-biodegradable wastes
20 03 other municipal wastes
20 03 01 mixed municipal waste
20 03 03 street-cleaning residues
20 03 04 septic tank sludge
20 03 06 waste from sewage cleaning
20 03 07 bulky waste
20 03 99 municipal wastes not otherwise specified