



**ENVIRONMENT
AGENCY**

35

Variation Notice with introductory note

Pollution Prevention and Control (England & Wales) Regulations 2000

Trecatti Landfill Site

**Biffa Waste Services Limited
Fochriw Road
Merthyr Tydfil
Mid Glamorgan
CF48 4AB**

**Variation Notice Number
DP3037UY**

**Permit number
RP3733PC**

Trecatti Landfill

Permit Number RP3733PC

Introductory note

This introductory note does not form a part of the permit

The following notice is issued under Regulation 17 of The Pollution Prevention and Control (England and Wales) Regulations 2000 (S.I.2000 No. 1973 (as amended) (the Regulations) to vary the conditions of a permit issued under the Regulations to operate an installation. The notice comprises schedule 1 containing conditions to be deleted, schedule 2 conditions to be amended and schedule 3 conditions to be added.

The purpose of this variation is to remove conditions permitting the disposal of stable non-reactive hazardous wastes, gypsum, and asbestos wastes. The Operator has also applied to remove the provision for a separate cell, as these wastes have never been accepted under the permit, and a separate cell has never been constructed.

Status Log of the permit		
Detail	Date	Response Date
Application RP3733PC	Received 07/05/04	Duly made 21/05/04
Response to request for information	Schedule 4 Notice dated 21/07/04	Response dated 01/09/04
Response to request for information, (note: subject to commercial confidentiality as it relates to the expenditure plan)	Letter dated 15/10/04	Response dated 20/10/04
Permit determined	09/03/05	
Application for Permit Variation DP3037UY	Received 17/12/07	Duly made 02/01/08
Variation notice DP3037UY issued	18/01/08	

Other PPC permits relating to this installation		
Operator	Permit Number	Date of Issue
Not applicable	-	-

Superseded or Partially Superseded Licences/Authorisations/Consents relating to this installation			
Holder	Reference Number	Date of Issue	Fully or Partially Superseded
Biffa Waste Services Limited	Waste management licence reference number EAWML/30105	21/07/93	Fully superseded
Biffa Waste Services Limited	Waste management licence reference number EAWML/30280	20/05/03	Fully superseded
Biffa Waste Services Limited	Consent to discharge trade effluent (to watercourse) reference number AF4012101	13/01/097	Fully superseded

Other existing Licences/Authorisations/Registrations relating to this site

Holder	Reference Number	Date of Issue
Biffa Waste Services Limited	Trade effluent discharge consent (to sewer) reference number TE456	14/04/93

End of Introductory Note

Variation Notice

Pollution Prevention and Control (England and Wales) Regulations 2000
Landfill (England and Wales) Regulations 2002

Variation Notice

Permit number

RP3733PC

Variation number

DP3037UY

The Environment Agency (the Agency) in exercise of its powers under Regulation 17 of the Pollution Prevention and Control (England and Wales) Regulations 2000 (SI 2000 No 1973) hereby varies the permit held by you

Biffa Waste Services Limited ("the operator"),

whose registered office (or principal office) is

Coronation Road

Cressex

High Wycombe

Buckinghamshire

HP12 3TZ

company registration number **946107**

to operate an installation at

Trecatti Landfill Site

Fochriw Road

Merthyr Tydfil

Mid Glamorgan

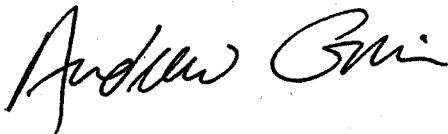

CF48 4AB

to the extent set out in schedules 1 to 3 of this variation notice

The notice shall take effect from 18 January 2008

Signed

Date

	
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Andrew Gibbs –PPC Compliance Team Leader

Authorised to sign on behalf of the Agency

SCHEDULE 1 – CONDITIONS TO BE DELETED

1. The following conditions are deleted:

Condition 2.1.8 The Operator shall record the precise disposal location of any hazardous waste.

SCHEDULE 2 – CONDITIONS TO BE AMENDED

2. The following conditions and tables are amended:

Table 1.1.1 is amended as follows, to remove reference to stable non-reactive hazardous and asbestos wastes:

Table 1.1.1		
Activity listed in Schedule 1 of the PPC Regulations	Description of specified activity	Limits of specified activity
Section 5.2, Part A(1)(a), the disposal of waste in a landfill.	Landfill for non-hazardous waste (landfill classification under the Landfill Regulations 2002)	Receipt, handling, storage and disposal of non-hazardous wastes, consisting of the types and quantities specified in condition 2.1.3, as an integral part of landfilling
Section 5.3, Part A(1)(c)(i), biological treatment	Treatment of leachate in an existing facility with a capacity of >50 tonnes / day pre-disposal	Leachate arising from the Permitted landfill including storage integral to the treatment process
Section 5.3, Part A(1)(c)(i), biological treatment	Treatment of leachate in a proposed facility with a capacity of >50 tonnes/ day pre-disposal	Leachate arising from the Permitted landfill including storage integral to the treatment process
Section 1.1, Part A(1)(b)(iii), burning of waste as a fuel	Utilisation of landfill gas for energy recovery in an appliance with a net rated thermal input of >3MW, but < 50 MW	Landfill gas arising from the Permitted landfill
Non-listed directly associated activity		
Landfill gas management	Flaring	Landfill gas arising from the Permitted landfill
Treated leachate discharge to foul sewer	Discharge of treated leachate from the existing and proposed listed biological treatment plant.	From leachate treatment plant to point of entry to sewer
Fuel Storage	Storage of fuel for operation of plant and equipment	From fuel storage tank to point of discharge / disposal off site.
Surface water discharge to controlled water	Discharge of surface water drainage from the landfill.	From surface water management system to point of entry to controlled water

Condition 1.6.1 is amended as follows, to remove permission to dispose of stable non-reactive hazardous waste, asbestos or gypsum wastes:

1.6.1 No disposal of wastes shall take place in any part of the Permitted Installation:

- identified for non hazardous waste

where waste deposit commences after the issue of this Permit unless:

1.6.1.1 at least 4 weeks prior to the commencement of construction of that part the Operator has submitted to the Agency in writing the detailed design, material specifications and the construction quality assurance (CQA) programme for the pre-operational engineering of the:

- groundwater under-drainage system;
- barriers;
- liners;
- leachate collection layer;
- leachate abstraction system;
- landfill gas extraction and management systems;
- separation bund / layer;
- pipework; and
- surface water drainage system

for that part and that it is confirmed in writing by the Agency that these are in conformance with the relevant specifications set out in section 2 of Part B of the Application, as subsequently amended and supplemented by the response dated 1st September 2004 (SLR Document reference: 4B-034-108) to the Schedule 4 Further Information Notice dated 21st July 2004 or any other specification agreed in writing by the Agency and any subsequent agreed change to the specification(s); and

1.6.1.2 the Operator has notified the Agency in writing of any changes in the detailed design, material specifications and the CQA programme that are to be made during the construction and in advance of those changes being made the Agency has agreed in writing that these are acceptable in relation to the relevant specifications set out in Part B of the Application any other specification agreed in writing by the Agency and any subsequent agreed changes under 1.6.1.1; and

1.6.1.3 the pre-operational engineering and infrastructure as listed in 1.6.1.1, have been completed and validated in accordance with the documented CQA procedures, and

1.6.1.4 the Operator has submitted the validation report in writing to the Agency; and

1.6.1.5 the Agency has inspected the relevant part to ensure that it complies with the relevant conditions of the landfill Permit, and has confirmed in writing that it has no objection to that part becoming operational.

Table 2.1.1 is amended as overleaf, to remove those parts of the permit in relation to construction of a separate cell(s) for the disposal of stable non-reactive hazardous, asbestos, and gypsum wastes.

Table 2.1.1: Operating techniques

Description	Parts	Date Received
Application	<ul style="list-style-type: none"> The response to questions, 2.1, 2.2, 2.3, 2.4 and 2.5 in part B of the Application Forms; the response to questions raised to the Schedule 4 Further Information Notice dated 21st July 2004; the response to draft condition 2.1.5 insofar as it provides a revised response to question B2.1.1; and the email from Biffa Waste Services Limited confirming that the Application should include the European Waste Code 16 01 03 as a permitted waste type; <p>with the following exclusions:</p> <ul style="list-style-type: none"> original response to question B2.1.1 insofar as it has been superseded by the response dated 16/02/05; and response to question B2.1.5; and response to question B2.2.36 insofar as it applies to monitoring of the surface water discharge; and response to question B2.2.65 insofar as particulate monitoring is not carried out in accordance with Agency guidance 'M17 - Monitoring of particulate matter in ambient air around waste facilities'; and response to question B2.2.31 insofar as it applies to the leachate head control and trigger levels; and the proposed methane trigger level for landfill gas boreholes 1-3 as detailed in Table LFGRA21 of the Landfill Gas Risk Assessment; and response to question B3.1.10 insofar as the proposed CO emission level for the future landfill gas flares (Haase HTN) as detailed in Table LFGRA23 of the Landfill Gas Risk Assessment; and Table 2.10.1 of the generic part B form insofar as it applies to the daily frequency for the monitoring of suspended solids; and the paragraph titled <i>Perimeter Borehole Location and Spacing</i> of section 3.3.2 of the Landfill Gas Risk assessment submitted as part of the Application; and section 3.3.3 of the Landfill Gas Risk Assessment submitted as part of the Application; and Drawing ESID 4a, entitled 'Site Layout and Waste Deposition' and dated 04/05/04 insofar as it has been superseded by Drawing ESID 4a Rev. 1, entitled 'Site Layout and Waste Deposition' dated 27/08/04; and Drawing ESID7b, entitled 'Leachate Management Construction Details' and dated insofar as it has been superseded by Drawing ESID7b Rev.1 dated 04/05/04. 	<p>7th May 2004</p> <p>1st September 2004</p> <p>16th February 2005</p> <p>8th March 2005</p>
Variation application – Remove SNRHW and asbestos wastes	All parts, removing provision to construct a separate cell(s) for SNRHW and asbestos wastes, as detailed on Drawings ESID 4a Rev. 1, and Drawing ESID 4b.	17th December 2007

Table 2.1.2 is amended as follows to remove permission to dispose of stable non-reactive hazardous, asbestos, and gypsum wastes:

Table 2.1.2: Wastes accepted for disposal	
Waste Category or Type	Permitted or not Permitted
Hazardous	Not Permitted
Non-hazardous	Permitted
Stable non-reactive hazardous	Not Permitted
Asbestos and construction materials containing asbestos	Not Permitted
Gypsum (and other high sulphate bearing waste)	Not Permitted
Inert	Permitted
Liquid wastes (including waste waters but excluding sludge).	Permitted until a date to be specified in Regulations and if no date so specified no later than 31 st March 2007
Waste which in the conditions of landfill is explosive, corrosive, oxidising, highly flammable or flammable.	Not permitted unless non-hazardous when permitted until a date to be specified in Regulations and if no date so specified no later than 31 st March 2007
Hospital and other clinical infectious wastes from medical or veterinary establishments.	Not permitted unless non-hazardous when permitted until a date to be specified in Regulations and if no date so specified no later than 31 st March 2007
Chemical substances from research and development or teaching activities, for example laboratory residues, which are unidentified and/or which are new and whose effects on man and/or the environment are unknown.	Not permitted unless non-hazardous when permitted until a date to be specified in Regulations and if no date so specified no later than 31 st March 2007
Whole used tyres (other than tyres used as engineering materials, bicycle tyres and tyres with an outside diameter of more than 1400mm).	Permitted until a date to be specified in Regulations and if no date so specified no later than 31 st March 2007

Table 2.1.2 (Continued): Wastes accepted for disposal	
Shredded used tyres (other than bicycle tyres and tyres with an outside diameter of more than 1400mm.	Permitted until a date to be specified in Regulations and if no date so specified no later than 31 st March 2007
Any waste which does not fulfil the relevant waste acceptance criteria.	Permitted until a date to be specified in Regulations and if no date so specified no later than 31 st March 2007
Waste which has been diluted or mixed solely to meet the relevant waste acceptance criteria.	Permitted until a date to be specified in Regulations and if no date so specified no later than 31 st March 2007
Wastes which have not been treated, except for: inert wastes for which treatment is not technically feasible; or it is waste other than inert waste and treatment would not reduce its quantity or the hazards which it poses to human health or the environment.	Permitted until a date to be specified in Regulations and if no date so specified no later than 31 st March 2007

Table 2.1.3 is amended as follows to remove permission to dispose of 25,000 tonnes per year of stable non-reactive hazardous waste and asbestos:

Table 2.1.3: Annual waste input limits	
Category	Limit Tonnes/ Year
Hazardous waste	Not permitted
Stable, non-reactive hazardous waste and asbestos	Not permitted
Non-hazardous waste and inert waste, (combined total)	625,000

Table 2.2.9 has been amended, to remove the requirement for asbestos monitoring in accordance with IC14.

Table 2.2.9: Particulate emission limits into air		
Parameters and frequency of monitoring	Emission limit at Site boundary	Monitoring point
Particulates PM ₁₀ – 6 monthly, unless otherwise agreed by the Agency in writing	Not to exceed 50 ug/m ³ more than 35 times per year when measured as a 24 hour mean concentration or 40 ug/m ³ when measured as an annual mean	To be agreed in accordance with improvement conditions 11a and 11b
Total inhaleable dust – 6 monthly, unless otherwise agreed by the Agency in writing	250 ug/m ³ measured as an 8-hour mean	To be agreed in accordance with improvement conditions 11a and 11b

Schedule 6 – List of Permitted Wastes

The list has been amended, to remove all stable non-reactive hazardous wastes, asbestos and construction materials containing asbestos, and gypsum (and other high sulphate bearing wastes):

Schedule 6 - List of Permitted Wastes

01 Wastes 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 06 tailings other than those mentioned in 01 03 04 and 01 03 05
- 01 03 08 dusty and powdery wastes other than those mentioned in 01 03 07
- 01 03 09 red mud from alumina production other than the wastes mentioned in 01 03 07

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

- 01 04 08 waste gravel and crushed rocks other than those mentioned in 01 04 07
- 01 04 09 waste sand and clays
- 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 04 12 tailings and other wastes from washing and cleaning of minerals other than those mentioned in 01 04 07 and 01 04 11
- 01 04 13 wastes from stone cutting and sawing other than those mentioned in 01 04 07

01 05 drilling muds and other drilling wastes

- 01 05 04 freshwater drilling muds and wastes
- 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 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 01 sludges from washing and cleaning
- 02 01 03 plant-tissue waste
- 02 01 04 waste plastics (except packaging)
- 02 01 06 animal faeces, urine and manure (including spoiled straw), effluent, collected separately and treated off-site
- 02 01 07 wastes from forestry
- 02 01 09 agrochemical waste other than those mentioned in 02 01 08
- 02 01 10 waste metal

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

- 02 02 01 sludges from washing and cleaning
- 02 02 03 materials unsuitable for consumption or processing
- 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 02 wastes from preserving agents

02 03 03 wastes from solvent extraction
02 03 04 materials unsuitable for consumption or processing
02 03 05 sludges from on-site effluent treatment

02 04 wastes from sugar processing
02 04 01 soil from cleaning and washing beet
02 04 02 off-specification calcium carbonate
02 04 03 sludges from on-site effluent treatment

02 05 wastes from the dairy products industry
02 05 01 materials unsuitable for consumption or processing
02 05 02 sludges from on-site effluent treatment

02 06 wastes from the baking and confectionery industry
02 06 01 materials unsuitable for consumption or processing
02 06 02 wastes from preserving agents
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 02 wastes from spirits distillation
02 07 03 wastes from chemical treatment
02 07 04 materials unsuitable for consumption or processing
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 01 waste bark and cork
03 01 05 sawdust, shavings, cuttings, wood, particle board and veneer other than those
mentioned in 03 01 04

03 03 wastes from pulp, paper and cardboard production and processing
03 03 01 waste bark and wood
03 03 02 green liquor sludge (from recovery of cooking liquor)
03 03 05 de-inking sludges from paper recycling
03 03 07 mechanically separated rejects from pulping of waste paper and cardboard
03 03 08 wastes from sorting of paper and cardboard destined for recycling
03 03 09 lime mud waste
03 03 10 fibre rejects, fibre-, filler- and coating-sludges from mechanical separation
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 01 fleshings and lime split wastes
04 01 02 liming waste
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 01 09 wastes from dressing and finishing

04 02 wastes from the textile industry
04 02 09 wastes from composite materials (impregnated textile, elastomer, plastomer)
04 02 10 organic matter from natural products (for example grease, wax)
04 02 17 dyestuffs and pigments other than those mentioned in 04 02 16
04 02 20 sludges from on-site effluent treatment other than those mentioned in 04 02 19
04 02 21 wastes from unprocessed textile fibres
04 02 22 wastes from processed textile fibres

05 Wastes from Petroleum Refining, Natural Gas Purification and Pyrolytic Treatment of Coal

05 01 wastes from petroleum refining

- 05 01 10 sludges from on-site effluent treatment other than those mentioned in 05 01 09
- 05 01 13 boiler feedwater sludges
- 05 01 14 wastes from cooling columns
- 05 01 16 sulphur-containing wastes from petroleum desulphurisation
- 05 01 17 bitumen

05 06 wastes from the pyrolytic treatment of coal

- 05 06 04 waste from cooling columns

05 07 wastes from natural gas purification and transportation

- 05 07 02 wastes containing sulphur

06 Wastes from Inorganic Chemical Processes

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

- 06 03 14 solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13
- 06 03 16 metallic oxides other than those mentioned in 06 03 15

06 05 sludges from on-site effluent treatment

- 06 05 03 sludges from on-site effluent treatment other than those mentioned in 06 05 02

06 09 wastes from the MSFU of phosphorous chemicals and phosphorous chemical processes

- 06 09 02 phosphorous slag
- 06 09 04 calcium-based reaction wastes other than those mentioned in 06 09 03

06 11 wastes from the manufacture of inorganic pigments and opacifiers

- 06 11 01 calcium-based reaction wastes from titanium dioxide production

06 13 wastes from inorganic chemical processes not otherwise specified

- 06 13 03 carbon black

07 Wastes from Organic Chemical Processes

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

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

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

- 07 02 12 sludges from on-site effluent treatment other than those mentioned in 07 02 11
- 07 02 13 waste plastic
- 07 02 15 wastes from additives other than those mentioned in 07 02 14
- 07 02 17 wastes containing silicones other than those mentioned in 07 02 16

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

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

07 05 wastes from the MFSU of pharmaceuticals

- 07 05 12 sludges from on-site effluent treatment other than those mentioned in 07 05 11
- 07 05 14 solid wastes other than those mentioned in 07 05 13

07 06 wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics

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

08 Wastes from 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 12 waste paint and varnish other than those mentioned in 08 01 11
- 08 01 14 sludges from paint or varnish other than those mentioned in 08 01 13
- 08 01 16 aqueous sludges containing paint or varnish other than those mentioned in 08 01 15
- 08 01 18 wastes from paint or varnish removal other than those mentioned in 08 01 17

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

- 08 02 01 waste coating powders
- 08 02 02 aqueous sludges containing ceramic materials

08 03 wastes from MFSU of printing inks

- 08 03 07 aqueous sludges containing ink
- 08 03 13 waste ink other than those mentioned in 08 03 12
- 08 03 15 ink sludges other than those mentioned in 08 03 14
- 08 03 18 waste printing toner other than those mentioned in 08 03 17

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

- 08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09
- 08 04 12 adhesive and sealant sludges other than those mentioned in 08 04 11
- 08 04 14 aqueous sludges containing adhesives or sealants other than those mentioned in 08 04 13

09 Wastes from the Photographic Industry

09 01 wastes from the photographic industry

- 09 01 07 photographic film and paper containing silver or silver compounds
- 09 01 08 photographic film and paper free of silver or silver compounds
- 09 01 10 single-use cameras without batteries
- 09 01 12 single-use cameras containing batteries other than those mentioned in 09 01 11

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 03 fly ash from peat and untreated wood
- 10 01 05 calcium-based reaction wastes from flue-gas desulphurisation in solid form
- 10 01 15 bottom ash, slag and boiler dust from co-incineration other than those mentioned in 10 01 14
- 10 01 17 fly ash from co-incineration other than those mentioned in 10 01 16
- 10 01 19 wastes from gas cleaning other than those mentioned in 10 01 05, 10 01 07 and 10 01 18
- 10 01 21 sludges from on-site effluent treatment other than those mentioned in 10 01 20
- 10 01 23 aqueous sludges from boiler cleansing other than those mentioned in 10 01 22
- 10 01 24 sands from fluidised beds
- 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 08 solid wastes from gas treatment other than those mentioned in 10 02 07
- 10 02 10 mill scales
- 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 03 wastes from aluminium thermal metallurgy

- 10 03 02 anode scraps
- 10 03 05 waste alumina
- 10 03 16 skimmings other than those mentioned in 10 03 15
- 10 03 18 carbon-containing wastes from anode manufacture other than those mentioned in 10 03 17
- 10 03 20 flue-gas dust other than those mentioned in 10 03 19

10 03 22 other particulates and dust (including ball-mill dust) other than those mentioned in 10 03 21

10 03 24 solid wastes from gas treatment other than those mentioned in 10 03 23

10 03 26 sludges and filter cakes from gas treatment other than those mentioned in 10 03 25

10 03 28 wastes from cooling-water treatment other than those mentioned in 10 03 27

10 03 30 wastes from treatment of salt slags and black drosses other than those mentioned in 10 03 29

10 04 wastes from lead thermal metallurgy

10 04 10 wastes from cooling-water treatment other than those mentioned in 10 04 09

10 05 wastes from zinc thermal metallurgy

10 05 01 slags from primary and secondary production

10 05 04 other particulates and dust

10 05 11 dross and skimmings other than those mentioned in 10 05 10

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 04 other particulates and dust

10 06 10 wastes from cooling-water treatment other than those mentioned in 10 06 09

10 07 wastes from silver, gold and platinum thermal metallurgy

10 07 01 slags from primary and secondary production

10 07 02 dross and skimmings from primary and secondary production

10 07 03 solid wastes from gas treatment

10 07 04 other particulates and dust

10 07 05 sludges and filter cakes from gas treatment

10 07 08 wastes from cooling-water treatment other than those mentioned in 10 07 07

10 08 wastes from other non-ferrous thermal metallurgy

10 08 04 particulates and dust

10 08 09 other slags

10 08 11 dross and skimmings other than those mentioned in 10 08 10

10 08 13 carbon-containing wastes from anode manufacture other than those mentioned in 10 08 12

10 08 14 anode scrap

10 08 16 flue-gas dust other than those mentioned in 10 08 15

10 08 18 sludges and filter cakes from flue-gas treatment other than those mentioned in 10 08 17

10 08 20 wastes from cooling-water treatment other than those mentioned in 10 08 19

10 09 wastes from casting of ferrous pieces

10 09 03 furnace slag

10 09 06 casting cores and moulds which have not undergone pouring other than those mentioned in 10 09 05

10 09 08 casting cores and moulds which have undergone pouring other than those mentioned in 10 09 07

10 09 10 flue-gas dust other than those mentioned in 10 09 09

10 09 12 other particulates other than those mentioned in 10 09 11

10 09 14 waste binders other than those mentioned in 10 09 13

10 10 wastes from casting of non-ferrous pieces

10 10 03 furnace slag

10 10 06 casting cores and moulds which have not undergone pouring, other than those mentioned in 10 10 05

10 10 08 casting cores and moulds which have undergone pouring, other than those mentioned in 10 10 07

10 10 10 flue-gas dust other than those mentioned in 10 10 09

10 10 12 other particulates other than those mentioned in 10 10 11

10 10 14 waste binders other than those mentioned in 10 10 13

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 10 waste preparation mixture before thermal processing, other than those mentioned in 10 11 09

10 11 12 waste glass other than those mentioned in 10 11 11

10 11 16 solid wastes from flue-gas treatment other than those mentioned in 10 11 15
10 11 18 sludges and filter cakes from flue-gas treatment other than those mentioned in 10 11 17
10 11 20 solid wastes from on-site effluent treatment other than those mentioned in 10 11 19

10 12 wastes from manufacture of ceramic goods, bricks, tiles and construction products

10 12 01 waste preparation mixture before thermal processing
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 10 solid wastes from gas treatment other than those mentioned in 10 12 09
10 12 12 wastes from glazing other than those mentioned in 10 12 11
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 01 waste preparation mixture before thermal processing
10 13 04 wastes from calcination and hydration of lime
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 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 13 solid wastes from gas treatment other than those mentioned in 10 13 12
10 13 14 waste concrete and concrete sludge

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, phosphatising, alkaline degreasing, anodising)

11 01 10 sludges and filter cakes other than those mentioned in 11 01 09
11 01 14 degreasing wastes other than those mentioned in 11 01 13

11 02 wastes from non-ferrous hydrometallurgical processes

11 02 03 wastes from the production of anodes for aqueous electrolytical processes
11 02 06 wastes from copper hydrometallurgical processes other than those mentioned in 11 02 05

11 05 wastes from hot galvanising processes

11 05 01 hard zinc
11 05 02 zinc ash

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 01 ferrous metal filings and turnings
12 01 02 ferrous metal dust and particles
12 01 03 non-ferrous metal filings and turnings
12 01 04 non-ferrous metal dust and particles
12 01 05 plastics shavings and turnings
12 01 13 welding wastes
12 01 15 machining sludges other than those mentioned in 12 01 14

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 03 wooden packaging

15 01 04 metallic packaging
15 01 05 composite packaging
15 01 06 mixed packaging
15 01 07 glass packaging
15 01 09 textile packaging
15 02 03 absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02

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 12 brake pads other than those mentioned in 16 01 11
16 01 16 tanks for liquefied gas
16 01 17 ferrous metal
16 01 18 non-ferrous metal
16 01 19 plastic
16 01 20 glass
16 01 22 components not otherwise specified

16 02 wastes from electrical and electronic equipment

16 02 14 discarded equipment other than those mentioned in 16 02 09 to 16 02 13
16 02 16 components removed from discarded equipment other than those mentioned in 16 02 15

16 03 off-specification batches and unused products

16 03 04 inorganic wastes other than those mentioned in 16 03 03
16 03 06 organic wastes other than those mentioned in 16 03 05

16 06 batteries and accumulators

16 06 04 alkaline batteries (except 16 06 03)
16 06 05 other batteries and accumulators

16 08 spent catalysts

16 08 01 spent catalysts containing gold, silver, rhenium, rhodium, palladium, iridium or platinum (except 16 08 07)
16 08 03 spent catalysts containing transition metals or transition metal compounds not otherwise specified

16 11 waste linings and refractories

16 11 02 carbon-based linings and refractories from metallurgical processes others than those mentioned in 16 11 01
16 11 04 other linings and refractories from metallurgical processes other than those mentioned in 16 11 03
16 11 06 linings and refractories from non-metallurgical processes others than those mentioned in 16 11 05

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 07 mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06

17 02 wood, glass and plastic

17 02 01 wood
17 02 02 glass
17 02 03 plastic

17 03 bituminous mixtures, coal tar and tarred products

17 03 02 bituminous mixtures other than those mentioned in 17 03 01

17 04 metals (including their alloys)

17 04 01 copper, bronze, brass

17 04 02 aluminium

17 04 03 lead

17 04 04 zinc

17 04 05 iron and steel

17 04 06 tin

17 04 07 mixed metals

17 04 11 cables other than those mentioned in 17 04 10

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

17 05 04 soil and stones other than those mentioned in 17 05 03

17 05 06 dredging spoil other than those mentioned in 17 05 05

17 05 08 track ballast other than those mentioned in 17 05 07

17 06 insulation materials and asbestos-containing construction materials

17 06 04 insulation materials other than those mentioned in 17 06 01 and 17 06 03

17 09 other construction and demolition wastes

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 and 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 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 07 chemicals other than those mentioned in 18 01 06

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

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

18 02 06 chemicals other than those mentioned in 18 02 05

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 02 ferrous materials removed from bottom ash

19 01 12 bottom ash and slag other than those mentioned in 19 01 11

19 01 14 fly ash other than those mentioned in 19 01 13

19 01 16 boiler dust other than those mentioned in 19 01 15

19 01 18 pyrolysis wastes other than those mentioned in 19 01 17

19 01 19 sands from fluidised beds

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

19 02 03 premixed wastes composed only of non-hazardous wastes

19 02 06 sludges from physico/chemical treatment other than those mentioned in 19 02 05

19 02 10 combustible wastes other than those mentioned in 19 02 08 and 19 02 09

19 03 stabilised/solidified wastes

19 03 05 stabilised wastes other than those mentioned in 19 03 04

19 03 07 solidified wastes other than those mentioned in 19 03 06

19 04 vitrified waste and wastes from vitrification

19 04 01 vitrified waste

19 05 wastes from aerobic treatment of solid wastes

- 19 05 01 non-composted fraction of municipal and similar wastes
- 19 05 02 non-composted fraction of animal and vegetable waste
- 19 05 03 off-specification compost

19 06 wastes from anaerobic treatment of waste

- 19 06 04 digestate from anaerobic treatment of municipal waste
- 19 06 06 digestate from anaerobic treatment of animal and vegetable waste

19 08 wastes from waste water treatment plants not otherwise specified

- 19 08 01 screenings
- 19 08 02 waste from desanding
- 19 08 05 sludges from treatment of urban waste water
- 19 08 09 grease and oil mixture from oil/water separation containing only edible oil and fats
- 19 08 12 sludges from biological treatment of industrial waste water other than those mentioned in 19 08 11
- 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 01 solid waste from primary filtration and screenings
- 19 09 02 sludges from water clarification
- 19 09 03 sludges from decarbonation
- 19 09 04 spent activated carbon
- 19 09 05 saturated or spent ion exchange resins
- 19 09 06 solutions and sludges from regeneration of ion exchangers

19 10 wastes from shredding of metal-containing wastes

- 19 10 01 iron and steel waste
- 19 10 02 non-ferrous waste
- 19 10 04 fluff-light fraction and dust other than those mentioned in 19 10 03
- 19 10 06 other fractions other than those mentioned in 19 10 05

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 02 ferrous metal
- 19 12 03 non-ferrous metal
- 19 12 04 plastic and rubber
- 19 12 05 glass
- 19 12 07 wood other than that mentioned in 19 12 06
- 19 12 08 textiles
- 19 12 09 minerals (for example sand, stones)
- 19 12 10 combustible waste (refuse derived fuel)
- 19 12 12 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11

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 10 clothes
- 20 01 11 textiles
- 20 01 25 edible oil and fat
- 20 01 28 paint, inks, adhesives and resins other than those mentioned in 20 01 27
- 20 01 30 detergents other than those mentioned in 20 01 29
- 20 01 34 batteries and accumulators other than those mentioned in 20 01 33
- 20 01 36 discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35
- 20 01 38 wood other than that mentioned in 20 01 37
- 20 01 39 plastics

20 01 40 metals
 20 01 41 wastes from chimney sweeping

20 02 garden and park wastes (including cemetery waste)
 20 02 01 biodegradable waste
 20 02 02 soil and stones
 20 02 03 other non-biodegradable wastes

20 03 other municipal wastes
 20 03 01 mixed municipal waste
 20 03 02 waste from markets
 20 03 03 street-cleaning residues
 20 03 04 septic tank sludge
 20 03 06 waste from sewage cleaning
 20 03 07 bulky waste

Wastes described with a European Waste Catalogue code ending with "99", subject to obtaining the prior agreement required under condition 2.1.3.2:

01 03 99 wastes not otherwise specified
 01 04 99 wastes not otherwise specified
 01 05 99 wastes not otherwise specified
 02 01 99 wastes not otherwise specified
 02 02 99 wastes not otherwise specified
 02 03 99 wastes not otherwise specified
 02 04 99 wastes not otherwise specified
 02 05 99 wastes not otherwise specified
 02 06 99 wastes not otherwise specified
 02 07 99 wastes not otherwise specified
 03 01 99 wastes not otherwise specified
 03 03 99 wastes not otherwise specified
 04 01 99 wastes not otherwise specified
 04 02 99 wastes not otherwise specified
 05 01 99 wastes not otherwise specified
 05 06 99 wastes not otherwise specified
 05 07 99 wastes not otherwise specified
 06 01 99 wastes not otherwise specified
 06 02 99 wastes not otherwise specified
 06 03 99 wastes not otherwise specified
 06 04 99 wastes not otherwise specified
 06 06 99 wastes not otherwise specified
 06 08 99 wastes not otherwise specified
 06 09 99 wastes not otherwise specified
 06 10 99 wastes not otherwise specified
 06 11 99 wastes not otherwise specified
 06 13 99 wastes not otherwise specified
 07 01 99 wastes not otherwise specified
 07 02 99 wastes not otherwise specified
 07 03 99 wastes not otherwise specified
 07 05 99 wastes not otherwise specified
 07 06 99 wastes not otherwise specified
 07 07 99 wastes not otherwise specified
 08 01 99 wastes not otherwise specified
 08 02 99 wastes not otherwise specified
 08 03 99 wastes not otherwise specified
 08 04 99 wastes not otherwise specified
 09 01 99 wastes not otherwise specified
 10 01 99 wastes not otherwise specified
 10 03 99 wastes not otherwise specified
 10 05 99 wastes not otherwise specified
 10 06 99 wastes not otherwise specified
 10 07 99 wastes not otherwise specified
 10 08 99 wastes not otherwise specified
 10 09 99 wastes not otherwise specified
 10 10 99 wastes not otherwise specified

10 11 99 wastes not otherwise specified
10 12 99 wastes not otherwise specified
10 13 99 wastes not otherwise specified
11 01 99 wastes not otherwise specified
12 01 99 wastes not otherwise specified
16 01 99 wastes not otherwise specified
16 07 99 wastes not otherwise specified
19 01 99 wastes not otherwise specified
19 02 99 wastes not otherwise specified
19 05 99 wastes not otherwise specified
19 06 99 wastes not otherwise specified
19 08 99 wastes not otherwise specified
19 09 99 wastes not otherwise specified
20 01 99 other fractions not otherwise specified
20 03 99 municipal wastes not otherwise specified