



# Permit with introductory note

Pollution Prevention and Control Regulations 2000

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**Octel Waste Management  
Ltd  
Cheshire Manufacturing  
Park  
Oil Sites Road  
Ellesmere Port  
Cheshire  
CH65 4HF**

Permit number

BT2351

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## Introductory note

### ***This introductory note does not form a part of the Permit***

The following Permit is issued under Regulation 10 of the Pollution Prevention and Control Regulations 2000 (S.I.2000 No.1973) ("the PPC Regulations") to operate an installation carrying out one or more of the activities listed in Part 1 to Schedule 1 of those Regulations, to the extent authorised by the Permit.

The Permit includes conditions that have to be complied with. It should be noted that aspects of the operation of the installation which are not regulated by those conditions are subject to the condition implied by Regulation 12(10) of the PPC Regulations, that the Operator shall use the best available techniques for preventing or, where that is not practicable, reducing emissions from the installation.

Techniques include both the technology used and the way in which the installation is designed, built, maintained, operated and decommissioned.

### **Brief description of the installation regulated by this permit**

The main purpose of the activity at the installation is the disposal of hazardous waste (other than by incineration or landfill) in a facility with a capacity of more than 10 tonnes per day.

The site is located on Oil Sites Rd at grid reference SJ4105 7665.

The installation is a waste treatment facility designed to neutralise a range of bulk tankered aqueous wastes, an associated transfer station for handling drummed wastes, and drum washing, crushing and shredding operations. Wastes for treatment, such as dilute acids, are charged into the reactor vessel and are neutralised by the addition of a lime solution. The adjustment of the pH causes dissolved metals to be precipitated. The treated effluent is then settled in a clarifier prior to being filtered through a filter press. The filtered effluent is discharged to sewer, while the filter 'cake' of precipitated metal compounds is disposed of to landfill. Where possible the filtered effluent will be used to make up the lime solution in place of mains water. Aerial emissions from the reaction process are passed through a three stage scrubber to remove acid gases and volatile organic compounds (VOCs) that may be generated through the treatment process.

The associated transfer station handles a wide range of drummed wastes. Wastes suitable for the treatment process are treated on site. Wastes not able to be treated through the process are stored until a load has been assembled for transfer to a suitable disposal facility. All wastes are stored in a covered storage area and segregated into bays by hazard class. The wastes are stored for a maximum period of six months.

Where drummed wastes are treated on site, empty drums are washed out in a purpose built drum washing station and the washings disposed of via the treatment plant. The washed containers are then handled according to their material of construction: metal drums are crushed while plastic drums are shredded. The materials will then be sent off site for recovery or disposal. The site is also able to wash out tankers that have delivered bulk wastes for treatment. The washings are disposed of via the treatment plant. All waste bulking, washing, crushing and shredding operations will be carried out under LEV with a carbon adsorption system to reduce fugitive emissions.

The site surface is fully concreted and drains to a sealed drainage system. The storage and treatment tanks are bunded to contain any potential leaks. Surface water draining from the site is collected and where possible reused on site to make up the lime solution used in the treatment process. If not required uncontaminated water is discharged to the Manchester Ship Canal. Surface water contaminated by spillages etc will be treated through the treatment process or disposed of off site if unsuitable for treatment.

Point source emissions from the site can be summarised as follows: - aerial emissions of acid gases and VOCs from the treatment plant, emission to sewer of the treated effluent, emission to surface waters of uncontaminated site drainage.

Other potential emissions from the site include onsite noise and fugitive emissions from waste sampling and bulking, washing operations, container crushing and shredding and from spillages.

**Other PPC Permits relating to this installation**

Permit holder	Permit Number	Date of Issue
None		

**Superseded Licenses/Consents/Authorisations relating to this installation**

Holder	Reference Number	Date of Issue
None		

## Talking to us

If you contact the Agency about this Permit please quote the Permit Number.

The Operator should use the Emergency Hotline telephone number (0800 80 70 60) or any other number notified to it to give a notification under condition 5.1.1.

## Confidentiality

The Permit requires the Operator to provide information to the Agency. The Agency will place the information onto the public registers in accordance with the requirements of the PPC Regulations. If the Operator considers that any information provided is commercially confidential, it may apply to the Agency to have such information withheld from the register as provided in the PPC Regulations. To enable the Agency to determine whether the information is commercially confidential, the Operator should clearly identify the information in question and should specify clear and precise reasons.

## Variations to the permit

This Permit may be varied in the future. The Status Log within the Introductory Note to any such variation will include summary details of this Permit, variations issued up to that point in time and state whether a consolidated version of the Permit has been issued.

## Surrender of the permit

Before this Permit can be wholly or partially surrendered, an application to surrender the Permit has to be made. For the applicant to be successful, they would have to be able to demonstrate to the Agency, in accordance with Regulation 19 of the PPC Regulations, that there is no pollution risk and that no further steps are required to return the site to a satisfactory state.

## Transfer of the permit or part of the permit

Before the Permit can be wholly or partially transferred to another person, a joint application to transfer the Permit has to be made by both the existing and proposed holders, in accordance with Regulation 18 of the PPC Regulations. A transfer will be allowed unless the Agency considers that the proposed holder will not be the person who will have control over the operation of the installation or will not ensure compliance with the conditions of the transferred Permit. If the Permit authorises the carrying out of a specified waste management activity, then there is a further requirement that the transferee is considered to be a "fit and proper person" to carry out that activity.

## Status Log

<b>Detail</b>	<b>Date</b>	<b>Comment</b>
Application BT2351	Received 30/08/02	
Further information submitted	Received 18/10/02	Copy of granted planning permission and associated amendments
Response to request for information	Request dated 19/12/02	Response dated 22/01/03 and 14/02/03.
Revision 1 of Section 2 of the Application submitted	Received 22/01/03	Revised to include responses to the request for information for clarity.
Request by Agency to extend determination to 28/02/03	Request dated 11/02/03	Request accepted 14/02/03
Permit BT2351	Determined 28/02/03	

*End of introductory note.*

**Permit**

Pollution Prevention and Control  
Regulations 2000



**ENVIRONMENT  
AGENCY**

## Permit

Permit number

**BT2351**

The Environment Agency (the Agency) in exercise of its powers under Regulation 10 of the Pollution Prevention and Control Regulations 2000 (S.I. 2000 No. 1973), hereby authorises

**Octel Waste Management Ltd** ("the Operator"),

Whose Registered Office is

**Global House  
Bailey Lane  
Manchester  
M90 4AA**

**Company registration number 4423011**

to operate an Installation at

**Octel Waste Treatment Centre  
Cheshire Manufacturing Park  
Oil Sites Road  
Ellesmere Port  
Cheshire  
CH65 4HF**

to the extent authorised by and subject to the conditions of this Permit.

Signed

[Signature box]

**Catherine Shaw**

Authorised to sign on behalf of the Environment Agency

Date

**28 February 2003**

## Conditions

### 1 The permitted installation

1.1.1 The Operator is authorised to carry out the activities and/or the associated activities specified in Table 1.1.1.

**Table 1.1.1**

<b>Activity under Schedule 1 of the Regulations/ Associated Activity</b>	<b>Description of specified activity</b>	<b>Schedule 1 Activity Reference (if applicable)</b>	<b>Limits of specified activity</b>
Disposal of hazardous waste (other than by incineration or landfill) in a facility with a capacity of more than 10 tonnes per day	D9 Physico-chemical treatment of waste	5.3 A(1)(a)	Treatment consisting of pH adjustment, reduction of metals, settlement (including addition of coagulants and flocculents) and filtration of resulting effluent.
Waste reception, storage and transfer	D15/R13 Storage of wastes pending disposal or recovery	Directly associated activity	Receipt and storage of permitted wastes as defined in conditions.
Consolidation of compatible waste	D13 Blending or mixing of waste	Directly associated activity	Bulking of compatible wastes for treatment or transfer off site.
Container washing/shredding/crushing	D9 Physico-chemical treatment of waste	Directly associated activity	Washing of empty containers arising from storage, treatment and bulking operations. Shredding and crushing of washed containers.
Road tanker washing	D9 Physico-chemical treatment of waste	Directly associated activity	Washing out of road tankers delivering waste to the site.
Water discharge to foul sewer	Discharge of treated effluent and site drainage from the installation.	Directly associated activity	From treated effluent storage to point of entry to sewer.
Water discharges to controlled waters	Discharge of site drainage from the installation.	Directly associated activity	From surface water storage to point of entry to controlled waters.

- 1.1.2 The activities authorised under condition 1.1.1 shall not extend beyond the Site, being the area shown edged in black on the plan below

- 1.1.3 Prior to operation the position of the fan on the abatement system detailed in Figure B1.3 (F) shall be amended so that it forms the last element of the abatement system.
- 1.1.4 Prior to operation the carbon filter unit on the abatement system detailed in section B2.3.4 of the application shall be modified so as to consist of two filters in series. The operator shall submit proposals for monitoring the filters for VOC breakthrough for agreement by the Agency prior to operation.

## 2 Operational Matters

### 2.1 Management techniques and control

2.1.1 The Permitted Installation shall, subject to the conditions of this Permit, be managed and controlled as described in the documentation specified in Table 2.1.1, or as otherwise agreed in writing by the Agency.

**Table 2.1.1 : Management and control**

Description	Parts	Date Received
Application	The response to question 2.1 given in section B2.1 of the application	22/01/03

2.1.2 All plant, equipment and technical means used in operating the Permitted Installation shall be maintained in good operating condition.

2.1.3 The Permitted Installation shall be supervised by staff who are suitably trained and fully conversant with the requirements of this Permit.

2.1.4 A copy of this Permit and those parts of the application referred to in this Permit shall be available, at all times, for reference by all staff carrying out work subject to the requirements of the Permit.

2.1.5 All staff shall be fully conversant with those aspects of the Permit conditions, which are relevant to their duties and shall be provided with appropriate training and written operating instructions to enable them to carry out their duties.

2.1.6 Where Regulation 4 of the Regulations applies to an activity/associated activity carried on at the Permitted Installation,

- a** any changes in technically competent management and the name of any incoming person together with evidence that such person has the required technical competence shall be submitted to the Agency in writing within 5 working days of the change in management. Technically competent management and technical competence shall be as prescribed under Section 74 of the Environmental Protection Act 1990.
- b** in the event the Operator and/or any relevant person being convicted of any relevant offence and which is in addition to any already notified to the Agency, then full details shall be provided to the Agency within 14 days of conviction, whether or not the conviction is subsequently appealed. Such details shall include , in respect of each relevant person (as defined in section 74(7) of the Environmental Protection Act 1990 or any subsequent amendments to that section), the nature of the offence, the place and date of conviction, any sentence, and any fine or other penalty imposed; and
- c** In the event that the Operator and/or any relevant person lodges an appeal against any such conviction, the permit holder shall notify the Agency of this within 14 days of the lodging. The Operator shall notify the Agency of the results of that appeal, within 14 days of the appeal being decided; and

- d** No activities authorised by this Permit shall be commenced until the permit holder has secured a bond in compliance with the Agreement made between the permit holder and the Agency and the permit holder has given prior written notice to the Agency of the intention to commence operations at the site. The financial provision for meeting the obligations under this Permit, set out in the document referenced Appendix 12 of the application, shall be maintained by the Operator throughout the subsistence of this Permit and the Operator shall produce evidence of such provision whenever required by the Agency.

## 2.2 **Material inputs**

### *Waste input*

2.2.1 Subject to the conditions of this Permit, wastes shall only be accepted on the site if they are:

- a** specified in the list of defined types of waste in Schedule 3 of this Permit;
- b** not listed in Table 2.2.1 as an excluded waste; and
- c** accepted in accordance with the list of waste types and quantities, as described in the documentation specified in Table 2.2.2, or as otherwise agreed in writing by the Agency; and
- d** accepted in accordance with the waste acceptance procedures and criteria, as described in the documentation specified in Table 2.2.3, or as otherwise agreed in writing by the Agency; and which shall meet the standards set out in Table 2.2.4.

**Table 2.2.1: Defined types of waste which may not be accepted on the site**

<b>Description:</b>	<b>Definition:</b>
H1 Explosive	Annex III of Council Directive 91/689/EEC, or subsequent legislation.
H9 Infectious	Annex III of Council Directive 91/689/EEC, or subsequent legislation.

**Table 2.2.2: List of waste types and quantities**

<b>Description</b>	<b>Parts</b>	<b>Date Received</b>
Application	The response to question 2.2 given in Tables B2.2.1(C), B2.2.1(D) and B2.2.1(E) of the application.	30/08/02
Response to Schedule 4 Part 1 Notice	Response to questions 3, 4, 5 and 6, given in document reference IPPC Application Schedule Four Responses Revision 0, which supplements/replaces Tables B2.2.1(C), B2.2.1(D) and B2.2.1(E) of the application.	22/01/03 and 14/02/03

**Table 2.2.3: Documented waste acceptance procedures and criteria**

Description	Parts	Date Received
Application	The response to question 2.2 given in sections B2.2.1 and B2.2.2 of the application	30/08/02
Response to Schedule 4 Part 1 Notice	Response to questions 7, 8 and 9 given in document reference IPPC Application Schedule Four Responses Revision 0, which supplements/replaces sections B2.2.1 and B2.2.2 of the application.	22/01/03

**Table 2.2.4: Minimum standards for waste acceptance procedures on the site**

Waste acceptance stage:	Standard:
Pre-delivery and delivery of wastes	The operator shall ensure that the waste in question can be accepted at the site according to the other conditions of this permit, and that this is recorded in accordance with condition 3.1.1.b. This shall take place before or at the time of delivery, or at the time of the first of a series of deliveries provided that the type of waste remains unchanged.
Acceptance of wastes following delivery	The documented waste acceptance procedures shall include the following reception procedures: Checking of the waste documentation Visual inspection of the waste Representative sampling of wastes Keeping a register of the quantities and characteristics of the waste accepted  The operator of the site shall always provide written acknowledgements of receipt of each delivery accepted on the site

2.2.2 The total quantity of waste that shall be stored at the site shall not exceed 1,331 tonnes.

2.2.3 The quantity of waste that is accepted at the site shall not exceed 206,300 tonnes in any year.

*Raw materials (including water)*

2.2.4 The Operator shall, subject to the conditions of this Permit, use raw materials (including water) as described in the documentation specified in Table 2.2.5, or as otherwise agreed in writing by the Agency.

**Table 2.2.5: Raw materials (including water)**

Description	Parts	Date Received
Application	The response to question 2.2 given in sections B2.2.3, B2.2.4 and B2.2.5 of the application.	30/08/02

## 2.3 **Operating Techniques**

2.3.1 The Permitted Installation shall, subject to the conditions of this Permit, be operated using the techniques and in the manner described in the documentation specified in Table 2.3.1, or as otherwise agreed in writing by the Agency.

**Table 2.3.1: Operating techniques**

Description	Parts	Date Received
Application	The response to question 2.3 given in section B2.3 of the application.	30/08/02
Response to Schedule 4 Part 1 Notice	Response to questions 11 and 12 given in document reference IPPC Application Schedule Four Responses Revision 0, which supplements/replaces section B2.3 of the application.	22/01/03

2.3.2 Pressurised gas cylinders shall be stored upstanding and secure in a dedicated compound and in a well ventilated position. Effective precautions shall be taken to protect cylinders, valves or other regulatory control devices attached from risk of physical damage. All valves or other regulatory control devices attached to the cylinders shall be closed.

2.3.3 Due regard shall be paid to the relevant guidance of the Health and Safety Executive in relation to the storage of flammable liquids in containers (HSG 51), the safe use and handling of flammable liquids (HSG 140) energetic and spontaneously combustible substances (HSG 131) and the storage and handling of organic peroxides (CS21).

2.3.4 Due regard shall be paid to Waste Management Paper 6 (WMP6) in relation to the storage and handling of wastes containing polychlorinated biphenyls or polychlorinated terphenyls (PCBs or PCTs).

2.3.5 An audit of all wastes stored on site shall be carried out at least annually. The results of the audit shall be compared with the stock recorded in the waste management database. Any discrepancies shall be notified to the Agency within one month of the audit.

2.3.6 Asbestos wastes other than asbestos in bonded form shall only be permitted in accordance with a method statement agreed in writing by the Agency. The method statement shall include the quantities and locations of waste stored, method of storage, procedures for dealing with spillages and arrangements for monitoring asbestos fibres.

- 2.3.7 Waste articles containing ozone depleting substances (ODSs) shall only be permitted in accordance with a method statement agreed in writing by the Agency. The method statement shall include the quantities and locations of waste stored, method of storage, procedures for dealing with spillages and removal of ODSs.
- 2.3.8 Wastes containing polychlorinated biphenyls or polychlorinated terphenyls (PCBs or PCTs) in concentrations in excess of 50 mg/kg individually or in total shall not be mixed with other wastes unless destined for high temperature incineration at a site permitted to accept PCBs or PCTs for destruction.
- 2.3.9 Prior to installation, the specification of the drum crusher shall be agreed in writing by the Agency.
- 2.3.10 Prior to installation, the specification of the drum washing station shall be agreed in writing by the Agency.
- 2.3.11 Prior to installation, the specification of the drum shredder shall be agreed in writing by the Agency.
- 2.3.12 Shredding of wastes other than cleaned empty drums shall not be permitted unless in accordance with a method statement agreed in writing by the Agency. The method statement shall include (as appropriate) details of the proposed waste types, equipment, method of operation, monitoring and recording of treatment, waste disposal, and the precautions taken to prevent pollution of the environment, harm to human health and serious detriment to the amenity of the locality.
- 2.3.13 In the event of damage to, or malfunction of, the abatement system for the waste treatment tanks, no further batches of waste shall be treated until the abatement system is returned to full operation.

## 2.4 **Groundwater protection**

- 2.4.1 The Permitted Installation shall, subject to the conditions of this Permit, be controlled as described in the documentation specified in Table 2.4.1, or as otherwise agreed in writing by the Agency.

**Table 2.4.1: Groundwater protection**

Description	Parts	Date Received
Application	The response to questions 2.4 given in section B2.4 of the application.	30/08/02

## 2.5 **Waste handling and storage**

- 2.5.1 The Operator shall, subject to the conditions of this Permit, handle and store waste as described in the documentation specified in Table 2.5.1, or as otherwise agreed in writing by the Agency.

**Table 2.5.1: Waste handling and storage**

Description	Parts	Date Received
Application	The response to question 2.5 given in section 2.5 of the application	30/08/02

2.5.2 Waste materials specified in Table 2.5.2 shall only be stored on the site in the location and manner specified in that Table.

**Table 2.5.2: Waste stored on site**

Description of Waste	Location of Storage on Site	Manner of Storage	Storage Conditions
Filter cake	Area as detailed on Figure B1.3(B)	Sealed covered skips	No more than two skips at any time
Crushed steel	Area as detailed on Figure B1.3(B)	Sealed covered skips	No more than two skips at any time
Shredded/ granulated plastic	Area as detailed on Figure B1.3(B)	Sealed covered skips	No more than two skips at any time
Asbestos	Within the transfer station	Secure and sealed containers	Subject to condition 2.3.6
Waste stored in the transfer station	Bays as detailed on drawing Figure B1.3(D)	Note 1	Subject to conditions 2.3.1 to 2.3.5
Containers awaiting washing	Bays as detailed on drawing Figure B1.3(D) or area as detailed on Figure B1.3(B)	Secure and sealed containers on sound pallets	No more than 20 pallets of containers (or equivalent quantity) stored outside the transfer station at any time. Containers shall be secured to prevent disturbance by wind action
Clean containers awaiting crushing and shredding	Area as detailed on Figure B1.3(B)	Secure and sealed containers on sound pallets	Shall be kept segregated from containers awaiting washing. Containers shall be secured to prevent disturbance by wind action

Note 1: Wastes shall be stored securely in sealed containers on sound pallets. Other waste articles, which are not able to be stored in such manner due to their size or nature, shall be stored securely and contained in a manner appropriate to the waste.

## 2.6 Waste recovery and disposal

2.6.1 The Operator shall, subject to the conditions of this Permit, recover and dispose of waste as described in the documentation specified in Table 2.6.1, or as otherwise agreed in writing by the Agency.

**Table 2.6.1: Waste recovery and disposal**

Description	Parts	Date Received
Application	The response to question 2.6 given in section B2.6 of the application	30/08/02

## 2.7 **Energy Efficiency**

2.7.1 The Operator shall, subject to the conditions of this Permit, use energy as described in the documentation specified in Table 2.7.1, or as otherwise agreed in writing by the Agency.

**Table 2.7 1: Energy efficiency**

Description	Parts	Date Received
Application	The response to question 2.7 given in section B2.7 of the application	30/08/02

2.7.2 The Operator shall produce a report annually on the energy consumption of the installation. This report shall be sent to the Agency.

2.7.3 The Operator shall have an energy efficiency plan which shall be updated annually.

## 2.8 **Accident prevention and control**

2.8.1 The Operator shall, subject to the conditions of this Permit, prevent and limit the consequences of accidents as described in the documentation specified in Table 2.8.1, or as otherwise agreed in writing by the Agency.

**Table 2.8.1 : Accident prevention and control**

Description	Parts	Date Received
Application	The response to question 2.8 given in section B2.8 of the application	30/08/02

2.8.2 An adequate supply of over drums shall be made available on site at all times which can be readily accessed when required.

2.8.3 In the event of any damage occurring which breaches or threatens to breach the integrity of the site containment or drainage system so that it no longer meets the specified standards, the operator shall cease waste storage or handling in the affected area immediately, shall notify the Agency immediately, and shall not recommence waste storage or handling in the affected area until it has been repaired to a standard at least as good as the original specification.

2.8.4 Leaks or spillages shall be cleaned up immediately using methods appropriate to the waste or material involved.

## 2.9 **Noise and vibration**

- 2.9.1 The Operator shall, subject to the conditions of this Permit, control noise and vibration as described in the documentation specified in Table 2.9.1, or as otherwise agreed in writing by the Agency.

**Table 2.9.1 : Noise and vibration**

Description	Parts	Date Received
Application	The response to question 2.9 given in section B2.9 of the application	30/08/02

## 2.10 **Monitoring**

- 2.10.1 The Operator shall, subject to the conditions of this Permit, carry out, evaluate and assess monitoring as described in the documentation specified in Table 2.10.1, or as otherwise agreed in writing by the Agency.

**Table 2.10.1 : Monitoring**

Description	Parts	Date Received
Application	The response to question 2.10 given in section B2.10 of the application	30/08/02
Response to Schedule 4 Part 1 Notice	Response to questions 2 and 10 given in document reference IPPC Application Schedule Four Responses Revision 0, which supplements/replaces section B2.10 of the application.	22/01/03

- 2.10.2 Where requested in writing by the Agency, the Operator shall provide at least 14 days advance notice of undertaking monitoring/spot sampling.

- 2.10.3 There shall be provided:

- a** safe and permanent means of access to enable sampling/monitoring to be carried out in relation to the emission points specified in Schedule 2, unless otherwise specified in that Schedule; and
- b** safe means of access to other sampling/monitoring points when required by the Agency.

- 2.10.4 A visual inspection for steam plume from the abatement plant emission point (ref. A1) shall be made daily when the waste treatment plant is in operation. A written record shall be made of the result of the inspection. The record shall include the date and time of the inspection.

## 2.11 **Decommissioning**

- 2.11.1 The Operator shall, subject to the conditions of this Permit, make provision for decommissioning the installation as described in the documentation specified in Table 2.11.1, or as otherwise agreed in writing by the Agency.

**Table 2.11.1 : Decommissioning**

Description	Parts	Date Received
Application	The response to question 2.11 given in section B2.11 of the application	30/08/02

2.12 **Multi-operator installations**

2.12.1 This is not a multi-operator installation.

## 3 Records

- 3.1.1 A record (a "Specified Record") shall be made of:-
- a** any malfunction, breakdown or failure of plant, equipment or techniques (including down time and any short term and long term remedial measures) that may have, has had or might have had an effect on the environmental performance of the Permitted Installation. These records shall be kept in a log maintained for that purpose;
  - b** all monitoring and sampling taken or carried out in accordance with the conditions of this permit and any assessment or evaluation made on the basis of such data;
  - c** any complaints concerning the Installation's effect or alleged effect on the environment. The record shall give the date of complaint, time of complaint, a summary of the complaint and of any investigation and the results of such investigation. Such records shall be made in a log kept for this purpose;
  - d** the quantities and characteristics of all waste accepted, including waste type as specified under condition 2.2.1, date of delivery, date of acceptance. These records shall be kept in a register maintained for that purpose;
  - e** the quantities and characteristics of all wastes which are not accepted at the site, including origin, date of delivery and non-acceptance. These records shall be kept in a log maintained for that purpose;
  - f** the quantities and types of all wastes which are removed from the Permitted Installation, including its composition, or as appropriate, description; the best estimate of the quantity produced; its disposal routes; and the best estimate of the quantity sent for recovery. These records shall be kept in a log maintained for that purpose;
  - g** the times on and off site of the designated technically competent manager(s). These records shall be kept in a log maintained for that purpose.
- 3.1.2 There shall be made available for inspection by the Agency at any reasonable time:
- a** Specified Records;
  - b** any other records made by the Operator in relation to the operation of the Permitted Installation ("Other Records").
- 3.1.3 A copy of any Specified or Other Records shall be supplied to the Agency on demand and without charge.
- 3.1.4 Specified Records and Other Records shall:-
- a** be legible;
  - b** be made as soon as reasonably practicable; and
  - c** indicate any amendments which have been made and shall include the original record wherever possible.

- 3.1.5 Specified Records and Other Records shall be retained for a minimum period of 4 years from the date when the records were made at the Octel Waste Management Administration office.

## 4 Reporting

- 4.1.1 All reports and notifications required by this Permit, or by Regulation 16 of the PPC Regulations, shall be sent to the Environment Agency at the address notified in writing to the Operator by the Agency.
- 4.1.2 The Operator shall report the parameters listed in Table S2 to Schedule 2 as follows:
- a** in respects of the emission points specified;
  - b** for the reporting periods specified in Table S2 to Schedule 2 and using the forms specified in Table S3 to Schedule 4;
  - c** giving the information from such results and assessments as may be required by the forms specified in those Tables; and
  - d** sending the report to the Agency within 28 days of the end of the reporting period.
- 4.1.3 The Operator shall, within 36 months of the issue of this Permit, submit a report on potential environmental improvements to the Permitted Installation. For each of the subject areas identified in Section 2 of the appropriate technical guidance, the report shall assess the costs and benefits of alternative techniques that may provide environmental improvement. This shall include, but not be limited to, those techniques listed in guidance. The methodologies used should be based on those given in Agency guidance note IPPC H1 (Environmental Assessment and Appraisal of BAT) and should justify, against the Best Available Techniques criteria, where potential improvements are not planned to be implemented. As part of their management system the Operator shall submit an updated report every 36 months.
- 4.1.4 Where the Operator has a formal environmental management system applying to the Permitted Installation which encompasses annual improvement targets the Operator shall, not later than 31 January in each year, provide a summary report of the previous year's progress against such targets.
- 4.1.5 Fugitive emissions shall be reviewed on an annual basis and a summary report on this review shall be sent to the Agency detailing such releases and the measures taken to reduce them.

## 5 Notifications

- 5.1.1 The Operator shall notify the Agency **without delay** of:-
- a** the detection of an emission of any substance which exceeds any limit or criteria in this Permit specified in relation to the substance;
  - b** the detection of any fugitive emission which has caused or may cause pollution unless the quantity emitted is so trivial that it would be incapable of causing pollution;
  - c** the detection of any malfunction, breakdown or failure of plant or techniques which has caused or may have the potential to cause pollution; and
  - d** any accident which has caused or may have the potential to cause pollution.
- 5.1.2 The Operator shall submit written confirmation to the Agency of any notification under condition 5.1.1 of this Permit by sending:-
- a** the information listed in Part A of Schedule 1 to this Permit within 24 hours of such notification; and
  - b** the more detailed information listed in Part B of that Schedule as soon as practicable thereafter;
- and such information shall be in accordance with that Schedule.
- 5.1.3 The Operator shall give written notification as soon as practicable, of any of the following:
- a** permanent cessation of the operation of any part of or all of the Permitted Installation;
  - b** cessation of the operation of any part of or all of the Permitted Installation for a period, likely to exceed 1 year; and
  - c** resumption of the operation of any part of or all of the Permitted Installation after a cessation notified under 5.1.3(b).
- 5.1.4 The Operator shall notify the following matters to the Agency, in writing, within 14 days of their occurrence:
- a** *where the Operator is a registered company:*
    - i** any change in the Operator's trading name, registered name or registered office address;
    - ii** a change to any particulars of the Operator's ultimate holding company (including details of an ultimate holding company where the Operator has become a subsidiary);
    - iii** any steps taken with a view to the Operator going into administration, entering into a company voluntary arrangement or being wound up.

## 6 Emissions

### 6.1 Emissions into air

6.1.1 Emissions to air from the emission point(s) specified in Table 6.1.1 shall only arise from the source(s) specified in that Table.

**Table 6.1.1: Emission points into air**

Emission point reference/description	Source	Location of emission point
A1	Release point from main scrubber	Emission point A1 as shown on drawing OWM-0003 rev 1
A2	Container process station LEV	Emission point A2 as shown on drawing OWM-0003 rev 1
A3	Container wash LEV	Emission point A3 as shown on drawing OWM-0003 rev 1
A4	Main offloading sump LEV	Emission point A4 as shown on drawing OWM-0003 rev 1
A5	Drum crusher LEV	Emission point A5 as shown on drawing OWM-0003 rev 1
A6	Transfer station bulk up LEV	Emission point A6 as shown on drawing OWM-0003 rev 1
A7	Lime silo dust filter	Emission point A7 as shown on drawing OWM-0003 rev 1

6.1.2 The limits for emissions into air for the parameter(s) and emission point(s) set out in Table 6.1.3 shall not be exceeded.

6.1.3 The Operator shall carry out monitoring of the parameters listed in Table 6.1.3, from the emission points and at least at the frequencies specified in that Table.

**Table 6.1.3: Emission limits into air**

Parameters	Emission Point						
	A1	A2	A3	A4	A5	A6	A7
Sulphur dioxide mg/m <sup>3</sup>	50	-	-	-	-	-	-
Frequency of monitoring	monthly						
Oxides of nitrogen mg/m <sup>3</sup>	200	-	-	-	-	-	-
Frequency of monitoring	monthly						
Hydrogen chloride mg/m <sup>3</sup>	20	-	-	-	-	-	-
Frequency of monitoring	monthly						
Volatile organic compounds (High risk) mg/m <sup>3</sup>	5	-	-	-	-	-	-
Frequency of monitoring	monthly Note 1						
Volatile organic compounds (Class A) mg/m <sup>3</sup>	20	-	-	-	-	-	-
Frequency of monitoring	monthly Note 1						
Volatile organic compounds (Class B) mg/m <sup>3</sup>	150	-	-	-	-	-	-
Frequency of monitoring	monthly Note 1						
Ammonia mg/m <sup>3</sup>	10	-	-	-	-	-	-
Frequency of monitoring	monthly						

Note 1: Monitoring for VOCs shall be for total VOCs expressed as toluene. If the emission limits are exceeded speciated monitoring shall be undertaken in accordance with section B2.10 of the application.

- 6.1.4 Where an annual mass limit for a substance is stated in Table 6.1.4, the aggregate emission of such substance from the Permitted Installation into air from the emission point(s) specified in Table 6.1.2 shall not exceed that limit in any year.

**Table 6.1.4 Annual mass limits**

Substance	Limit – kg
-	-

- 6.2 **Control of odours**
- 6.2.1 Measures shall be implemented and maintained throughout the operational life of the site to control and monitor emissions of odours from the site, in accordance with this condition and Table 6.2.1.

- 6.2.2 All emissions to air from the specified waste management operations on the site shall be free from odours at levels as are likely to cause pollution of the environment or harm to human health or serious detriment to the amenity of the locality outside the site boundary, as perceived by an authorised officer of the Agency.
- 6.2.3 In the event that any odours arising from the site are released, or are likely to be released, onto public areas outside the site boundary at such levels that they are likely to cause pollution of the environment or harm to human health or serious detriment to the amenity of the locality, the actions specified in Table 6.2.1 below shall be implemented immediately.

**Table 6.2.1: Standards for the control of odour.**

<b>Odour Control measures</b>	<b>Specified standards</b>
Monitoring of odorous emissions	Olfactory monitoring of aerial emissions from the site shall be carried out by the site manager or supervisor, at least once a day when the site is operational.
Odorous emissions action plan	<p>i) On detection or notification of aerial emissions of odour that are being, or likely to be, transported beyond the site boundary, at such levels that they are likely to cause pollution of the environment, harm to human health or serious detriment to the amenity of the locality, the source of the odour shall be identified and the waste removed from site immediately.</p> <p>ii) The incident and remedial action shall be recorded in the site diary.</p>

### 6.3 **Emissions to land**

6.3.1 There shall be no emission to land from the Permitted Installation.

### 6.4 **Emissions to water [other than emissions to sewer]**

6.4.1 Emissions to water from the emission point(s) specified in Table 6.4.1 shall only arise from the source(s) specified in that Table.

**Table 6.4.1: Emission points into water**

Emission Point Reference.	Source	Receiving Water
W2 (as shown on drawing OWM-0003 rev 1)	Roof water from site	Manchester Ship Canal
W3 (as shown on drawing OWM-0003 rev 1)	Surface water sump from the transfer station	Manchester Ship Canal
W4 (as shown on drawing OWM-0003 rev 1)	Surface water from tank T6	Manchester Ship Canal

6.4.2 Limits for the emissions to water for the parameter(s) and emission point(s) set out in Table 6.4.3 shall not be exceeded.

6.4.3 The Operator shall carry out monitoring of the parameters listed in Table 6.4.3, from the emission points and at least at the frequencies specified in that Table.

**Table 6.4.3: Emission limits into water**

Parameter	Emission Point W2	Emission Point W3	Emission Point W4
-	-	-	-

6.4.4 There shall be no emission into water from the Permitted Installation of any substance given in Section 13 of Part 2 to Schedule 1 of the Regulations for which no limit is specified in Table 6.4.3 except in a concentration which is no greater than the background concentration.

6.4.5 Where an annual mass limit for a substance is stated in Table 6.4.5, the aggregate emissions of such substance from the Permitted Installation into water from the emission point(s) specified in Table 6.3.1 shall not exceed that limit in any year.

**Table 6.4.5 Annual mass emission limits**

Substance	Limit – kg
-	-

## 6.5 Emissions to sewer

6.5.1 Emissions into sewer from the emission point specified in Table 6.5.1 shall only arise from the source(s) specified in that Table.

**Table 6.5.1 Emission points into sewer**

Emission point reference	Source	Sewer
W1 (as shown on drawing OWM-0003 rev 1)	Filtrate Buffer Tanks	United Utilities plc

6.5.2 The limits for the emissions into sewer for the parameter(s) and emission point(s) set out in Table 6.5.2 shall not be exceeded.

**Table 6.5.2 Emission limits into sewer**

Parameter	Emission point W1	Frequency of monitoring
pH range (minimum to maximum)	6 - 10	Spot sample per batch
COD mg/l	10,000	Spot sample per batch
Suspended solids mg/l	1,000	Spot sample per batch
Toxic metals (Antimony, Beryllium, Chromium Copper, Lead, Selenium, Silver, Tin, Vanadium, Zinc) individually or in total; mg/l	10	Spot sample per batch
Nickel mg/l	1	Spot sample per batch
Maximum daily volume m <sup>3</sup>	400	Continuous (Note 1)

Note 1: Batches pumped to sewer. Discharge volume recorded by meter.

6.5.3 There shall be no emission into sewer from the Permitted Installation of any substance given in Section 13 of Part 2 to Schedule 1 of the Regulations for which no limit is specified in Table 6.5.2 except in a concentration which is no greater than the background concentration.

6.5.4 Where an annual mass limit for a substance is stated in Table 6.5.4, the aggregate emission of such substance from the Permitted Installation into sewer from the emission points specified in Table 6.5.1 shall not exceed that limit in any year.

**Table 6.5.4 Annual mass emission limit**

Substance	Annual limit – kg
-	-

## 6.6 Emissions of heat

6.6.1 There are no specific conditions in relation to heat.

6.7 **Emissions of noise and vibration**

6.7.1 There are no specific conditions in relation to noise and vibration.

## 7 Transfer to effluent treatment plant

- 7.1.1 No transfers to effluent treatment plant are controlled under this part of this Permit. Emissions to water are controlled under 6.4 and/or 6.5.

## 8 Off site conditions

8.1.1 There are no off site conditions.

## 9 Improvement programme

9.1.1 The Operator shall complete the requirements specified in Table 9.1.1 by the date specified in that Table, and shall send written notification of the date of completion of each requirement to the Agency, at the Reporting Address, within 14 days of the completion of each such requirement.

**Table 9.1.1: Improvement programme requirements**

Reference	Requirement	Date
9.1	The operator shall submit a report on potential environmental improvements to the Permitted installation. For each of the subject areas identified in Section 2 of the appropriate technical guidance, the report shall assess the costs and benefits of alternative techniques that may provide environmental improvement. This shall include, but shall not be limited to, those techniques listed in the guidance. The methodologies used should be based on those given in Agency guidance note H1 and should justify, against the BAT criteria, where potential improvements are not planned to be implemented. As part of their management system the Operator shall submit an updated report every 36 months.	28 February 2006.
9.2	A report shall be sent to the Agency on establishing an Environmental Management System having regard to section 2.1 of the relevant IPPC Sectoral or other Technical Guidance. The report shall include any proposals to implement such a programme.	28 February 2004
9.2	Fugitive emissions shall be reviewed on an annual basis and a summary report on this review shall be sent to the Agency detailing such releases and the measures taken to reduce them.	28 February 2004
9.4	A decommissioning report shall be submitted having regard to section 2.11 of the relevant IPPC Sectoral or other Technical Guidance.	28 February 2004
9.5	The lime storage silo shall be fitted with an appropriate bag breakage detector so that any deterioration of the bag filter can be detected.	31 August 2003
9.6	A report shall be sent to the Agency to demonstrate that the ADMS model for the site (Appendix 6 of the application) remains valid, based on the monitoring data from the first six months of operation. The report shall include the assumptions made for the scrubber system efficiencies detailed in section B2.3.4 of the application. If the model is no longer valid a further model shall be undertaken based on the actual monitored releases. The further model shall include the effect of the emissions on the local housing identified in the application and on the Mersey Estuary SPA.	9 months from the start of operations
9.7	The odour management plan detailed in section B2.3.8 of the application shall be established.	3 months from the start of operations
9.8	The waste pre-acceptance/acceptance procedures shall be reviewed and agreed in writing by the Agency.	31 December 2005

## 10 Interpretation

10.1.1 In this Permit, the following expressions shall have the following meanings:

*“Authorised Officer”*

means any person authorised by the Agency under section 108(1) of The Environment Act 1995 to exercise, in accordance with the terms of any such authorisation, powers specified in Section 108(4) of that Act.

*“Background concentration”*

means the same as “background quantity” as defined in paragraph 11 to Part 2 to Schedule 1 of the PPC Regulations.

*“Fugitive emission”*

means an emission from any point other than those specified in the Tables in part 6 of this Permit.

*“Monitoring”*

includes the taking and analysis of samples, instrumental measurements (periodic and continual), calibrations, examinations, tests and surveys.

*“Permitted Installation”*

means the activities and the limits to those activities described in Table 1.1.1 of this Permit.

*“PPC Regulations”*

means the Pollution Prevention and Control Regulations 2000 (S.I. 2000 No. 1973) and words and expressions defined in the PPC Regulations shall have the same meanings when used in this Permit.

*“Staff”*

includes employees, directors or other officers of the Operator, and any other person under the Operator’s direct or indirect control, including contractors.

*“Substances prescribed for water”*

means those substances mentioned in paragraph 13 of Part 2 of Schedule 1 to the PPC Regulations.

*“Year”*

means calendar year ending 31 December.

10.1.2 Where a minimum limit is set for any emission parameter, references to exceeding the limit shall mean that the parameter shall not be less than that limit.

10.1.3 Unless otherwise stated, any references in this Permit to concentrations of substances in emissions into air means;

- a** in relation to gases from combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels, 6% dry for solid fuels; and/or

- b** in relation to gases from non-combustion sources, the concentration at a temperature of 273K and at a pressure of 101.3 kPa, with no correction for water vapour content.

## 11 Written agreement to changes

- 11.1.1 When the qualification “or as otherwise agreed in writing” is used in a condition of this Permit, the Operator shall seek such agreement in the following manner:
- a** the Operator shall give the Agency written notice of the details of the proposed change, indicating the relevant part(s) of this Permit; and
  - b** such notice shall include an assessment of the possible effects of the proposed change (including waste production) on risks to the environment from the Permitted Installation.
- 11.1.2 Any change proposed according to condition 11.1.1 and agreed in writing by the Agency, shall not be implemented until the Operator has given the Agency prior written notice of the implementation date for the change. As from that date, the Operator shall operate the Permitted Installation in accordance with that change, and any relevant documentation referred to in this Permit shall be deemed to be amended.

## Schedule 1

### Confirmation of condition 5.1.1 notifications, in accordance with condition 5.1.2

This Schedule outlines the information that the Operator must provide to the Agency to satisfy condition 5.1.2 of this Permit.

Units of measurement used in information supplied under Part A and B requirements must be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the PPC Regulations.

Returns should contain:

#### **Part A**

- Name of Operator.
- Permit Number
- Location of Installation.
- Date information provided.
- Time, date and location of the emission.
- Identity and details of the substance[s] emitted to include:-
  - Best estimate of the quantity or the rate of emission, and the time during which the emission took place.
  - Environmental medium into which the emission took place.
  - Measures taken, or intended to be taken, to stop the emission.

#### **Part B**

- Date and time of emission
- Any more accurate information on the matters notified under Part A.
- Measures taken, or intended to be taken, to prevent a recurrence of the incident.
- Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment or harm which has been or may be caused by the emission.
- The dates of any Part A notifications within in the previous 24 months.

- Name
- Post.....
- Signature
- Date
- Statement that signatory is authorised to sign on behalf of Octel Waste Management Ltd.

## Schedule 2

### Reporting of monitoring data

Parameters for which reports shall be made, in accordance with conditions 4.1.2 of this Permit, are listed below.

<b>Table S2: Reporting of monitoring data</b>			
<b>Parameter</b>	<b>Emission point</b>	<b>Reporting period</b>	<b>Period begins</b>
Sulphur dioxide mg m <sup>-3</sup>	A1	Every 6 mths	Date of issue of this permit
VOCs mg m <sup>-3</sup>	A1	Every 6 mths	Date of issue of this permit
Oxides of nitrogen mg m <sup>-3</sup>	A1	Every 6 mths	Date of issue of this permit
Hydrogen chloride mg m <sup>-3</sup>	A1	Every 6 mths	Date of issue of this permit
Ammonia mg m <sup>-3</sup>	A1	Every 6 mths	Date of issue of this permit
pH	W1	Every 3 mths	Date of issue of this permit
COD mg l <sup>-1</sup>	W1	Every 3 mths	Date of issue of this permit
Suspended solids mg l <sup>-1</sup>	W1	Every 3 mths	Date of issue of this permit
Antimony, Beryllium, Chromium, Copper, Lead, Selenium, Silver, Tin, Vanadium, Zinc, Nickel mg l <sup>-1</sup>	W1	Every 3 mths	Date of issue of this permit
Daily volume m <sup>3</sup>	W1	Every 3 mths	Date of issue of this permit
Delivered electricity MWh	-	Annually	Date of issue of this permit
Primary electricity MWh	-	Annually	Date of issue of this permit
Primary carbon dioxide tonnes	-	Annually	Date of issue of this permit
Water tonnes	-	Annually	Date of issue of this permit
Waste summary	-	Every 3 mths	Date of issue of this permit

## Schedule 3

### Permitted Waste Types

Based on Commission Decision 2000/532/EC as amended.

- 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 04\* acid-generating tailings from processing of sulphide ore
    - 01 03 05\* other tailings containing dangerous substances
    - 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 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 07\* wastes containing dangerous substances 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 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 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 08*	agrochemical waste containing dangerous substances
02 01 09	agrochemical waste other than those mentioned in 02 01 08
02 01 10	waste metal
<b>02 02</b>	<b>wastes from the preparation and processing of meat, fish and other foods of animal origin</b>
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
<b>02 03</b>	<b>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</b>
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
<b>02 04</b>	<b>wastes from sugar processing</b>
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
<b>02 05</b>	<b>wastes from the dairy products industry</b>
02 05 01	materials unsuitable for consumption or processing
02 05 02	sludges from on-site effluent treatment
<b>02 06</b>	<b>wastes from the baking and confectionery industry</b>
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
<b>02 07</b>	<b>wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa)</b>
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
<b>03</b>	<b>WASTES FROM WOOD PROCESSING AND THE PRODUCTION OF PANELS AND FURNITURE, PULP, PAPER AND CARDBOARD</b>
<b>03 01</b>	<b>wastes from wood processing and the production of panels and furniture</b>
03 01 01	waste bark and cork
03 01 04*	sawdust, shavings, cuttings, wood, particle board and veneer containing

	dangerous substances
03 01 05	sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in 03 01 04
<b>03 02</b>	<b>wastes from wood preservation</b>
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
<b>03 03</b>	<b>wastes from pulp, paper and cardboard production and processing</b>
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
<b>04</b>	<b>WASTES FROM THE LEATHER, FUR AND TEXTILE INDUSTRIES</b>
<b>04 01</b>	<b>wastes from the leather and fur industry</b>
04 01 02	liming waste
04 01 03*	degreasing wastes containing solvents without a liquid phase
04 01 04	tanning liquor containing chromium
04 01 05	tanning liquor free of chromium
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
<b>04 02</b>	<b>wastes from the textile industry</b>
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 14*	wastes from finishing containing organic solvents
04 02 15	wastes from finishing other than those mentioned in 04 02 14
04 02 16*	dyestuffs and pigments containing dangerous substances
04 02 17	dyestuffs and pigments other than those mentioned in 04 02 16
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
04 02 21	wastes from unprocessed textile fibres
04 02 22	wastes from processed textile fibres
<b>05</b>	<b>WASTES FROM PETROLEUM REFINING, NATURAL GAS</b>

**PURIFICATION AND PYROLYTIC TREATMENT OF COAL**

<b>05 01</b>	<b>wastes from petroleum refining</b>
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
<b>05 06</b>	<b>wastes from the pyrolytic treatment of coal</b>
05 06 01*	acid tars
05 06 03*	other tars
05 06 04	waste from cooling columns
<b>05 07</b>	<b>wastes from natural gas purification and transportation</b>
05 07 01*	wastes containing mercury
05 07 02	wastes containing sulphur
<b>06</b>	<b>WASTES FROM INORGANIC CHEMICAL PROCESSES</b>
<b>06 01</b>	<b>wastes from the manufacture, formulation, supply and use (MFSU) of acids</b>
06 01 01*	sulphuric acid and sulphurous acid
06 01 02*	hydrochloric acid
06 01 03*	hydrofluoric acid
06 01 04*	phosphoric and phosphorous acid
06 01 05*	nitric acid and nitrous acid
06 01 06*	other acids
<b>06 02</b>	<b>wastes from the MFSU of bases</b>
06 02 01*	calcium hydroxide
06 02 03*	ammonium hydroxide
06 02 04*	sodium and potassium hydroxide
06 02 05*	other bases
<b>06 03</b>	<b>wastes from the MFSU of salts and their solutions and metallic oxides</b>
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 solutions 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
<b>06 04</b>	<b>metal-containing wastes other than those mentioned in 06 03</b>
06 04 03*	wastes containing arsenic
06 04 04*	wastes containing mercury
06 04 05*	wastes containing other heavy metals
<b>06 05</b>	<b>sludges from on-site effluent treatment</b>
06 05 02*	sludges from on-site effluent treatment containing dangerous substances
06 05 03	sludges from on-site effluent treatment other than those mentioned in 06 05 02
<b>06 06</b>	<b>wastes from the MFSU of sulphur chemicals, sulphur chemical processes and desulphurisation processes</b>
06 06 02*	wastes containing dangerous sulphides
06 06 03	wastes containing sulphides other than those mentioned in 06 06 02
<b>06 07</b>	<b>wastes from the MFSU of halogens and halogen chemical processes</b>
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
<b>06 08</b>	<b>wastes from the MFSU of silicon and silicon derivatives</b>
06 08 02*	wastes containing dangerous silicones
<b>06 09</b>	<b>wastes from the MFSU of phosphorous chemicals and phosphorous chemical processes</b>
06 09 02	phosphorous 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
<b>06 10</b>	<b>wastes from the MFSU of nitrogen chemicals, nitrogen chemical processes and fertiliser manufacture</b>
06 10 02*	wastes containing dangerous substances
<b>06 11</b>	<b>wastes from the manufacture of inorganic pigments and opacifiers</b>
06 11 01	calcium-based reaction wastes from titanium dioxide production
<b>06 13</b>	<b>wastes from inorganic chemical processes not otherwise specified</b>
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
<b>07</b>	<b>WASTES FROM ORGANIC CHEMICAL PROCESSES</b>
<b>07 01</b>	<b>wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals</b>
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 02 wastes from the MFSU of plastics, synthetic rubber and man-made fibres**
- 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 12 sludges from on-site effluent treatment other than those mentioned in 07 02 11
- 07 02 13 waste plastic
- 07 02 14\* wastes from additives containing dangerous substances
- 07 02 15 wastes from additives other than those mentioned in 07 02 14
- 07 02 16\* wastes containing dangerous silicones
- 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 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
<b>07 05</b>	<b>wastes from the MFSU of pharmaceuticals</b>
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 12	sludges from on-site effluent treatment other than those mentioned in 07 05 11
07 05 13*	solid wastes containing dangerous substances
07 05 14	solid wastes other than those mentioned in 07 05 13
<b>07 06</b>	<b>wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics</b>
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
<b>07 07</b>	<b>wastes from the MFSU of fine chemicals and chemical products not otherwise specified</b>
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
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
<b>08</b>	<b>WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS</b>

<b>08 01</b>	<b>wastes from MFSU and removal of paint and varnish</b>
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 14	sludges from paint or varnish other than those mentioned in 08 01 13
08 01 15*	aqueous sludges containing paint or varnish containing organic solvents or other dangerous substances
08 01 16	aqueous sludges containing paint or varnish other than those mentioned in 08 01 15
08 01 17*	wastes from paint or varnish removal containing organic solvents or other dangerous substances
08 01 18	wastes from paint or varnish removal other than those mentioned in 08 01 17
08 01 19*	aqueous suspensions containing paint or varnish containing organic solvents or other dangerous substances
08 01 20	aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19
08 01 21*	waste paint or varnish remover
<b>08 02</b>	<b>wastes from MFSU of other coatings (including ceramic materials)</b>
08 02 01	waste coating powders
08 02 02	aqueous sludges containing ceramic materials
08 02 03	aqueous suspensions containing ceramic materials
<b>08 03</b>	<b>wastes from MFSU of printing inks</b>
08 03 07	aqueous sludges containing ink
08 03 08	aqueous liquid waste containing ink
08 03 12*	waste ink containing dangerous substances
08 03 13	waste ink other than those mentioned in 08 03 12
08 03 14*	ink sludges containing dangerous substances
08 03 15	ink sludges other than those mentioned in 08 03 14
08 03 16*	waste etching solutions
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 19*	disperse oil
<b>08 04</b>	<b>wastes from MFSU of adhesives and sealants (including waterproofing products)</b>
08 04 09*	waste adhesives and sealants containing organic solvents or other dangerous substances
08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09
08 04 11*	adhesive and sealant sludges containing organic solvents or other dangerous substances
08 04 12	adhesive and sealant sludges other than those mentioned in 08 04 11
08 04 13*	aqueous sludges containing adhesives or sealants containing organic solvents or other dangerous substances
08 04 14	aqueous sludges containing adhesives or sealants other than those mentioned in 08 04 13
08 04 15*	aqueous liquid waste containing adhesives or sealants containing organic solvents or other dangerous substances

08 04 16	aqueous liquid waste containing adhesives or sealants other than those mentioned in 08 04 15
08 04 17*	rosin oil
<b>08 05</b>	<b>wastes not otherwise specified in 08</b>
08 05 01*	waste isocyanates
<b>09</b>	<b>WASTES FROM THE PHOTOGRAPHIC INDUSTRY</b>
<b>09 01</b>	<b>wastes from the photographic industry</b>
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*	fixer 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 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 11*	single-use cameras containing batteries included in 16 06 01, 16 06 02 or 16 06 03
09 01 12	single-use cameras containing batteries other than those mentioned in 09 01 11
09 01 13*	aqueous liquid waste from on-site reclamation of silver other than those mentioned in 09 01 06
<b>10</b>	<b>WASTES FROM THERMAL PROCESSES</b>
<b>10 01</b>	<b>wastes from power stations and other combustion plants (except 19)</b>
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	calcium-based reaction wastes from flue-gas desulphurisation in sludge form
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 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	sludges from on-site effluent treatment other than those mentioned in 10 01 20

10 01 22*	aqueous sludges from boiler cleansing containing dangerous substances
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 25	wastes from fuel storage and preparation of coal-fired power plants
10 01 26	wastes from cooling-water treatment
<b>10 02</b>	<b>wastes from the iron and steel industry</b>
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 11*	wastes from cooling-water treatment containing oil
10 02 12	wastes from cooling-water treatment other than those mentioned in 10 02 11
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
<b>10 03</b>	<b>wastes from aluminium thermal metallurgy</b>
10 03 02	anode scraps
10 03 04*	primary production slags
10 03 05	waste alumina
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 16	skimmings other than those mentioned in 10 03 15
10 03 17*	tar-containing wastes from anode manufacture
10 03 18	carbon-containing wastes from anode manufacture other than those mentioned in 10 03 17
10 03 19*	flue-gas dust containing dangerous substances
10 03 20	flue-gas dust other than those mentioned in 10 03 19
10 03 21*	other particulates and dust (including ball-mill dust) containing dangerous substances
10 03 22	other particulates and dust (including ball-mill dust) other than those mentioned in 10 03 21
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 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 03 27*	wastes from cooling-water treatment containing oil
10 03 28	wastes from cooling-water treatment other than those mentioned in 10 03 27
10 03 29*	wastes from treatment of salt slags and black drosses containing

	dangerous substances
10 03 30	wastes from treatment of salt slags and black drosses other than those mentioned in 10 03 29
<b>10 04</b>	<b>wastes from lead thermal metallurgy</b>
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
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 04 09*	wastes from cooling-water treatment containing oil
10 04 10	wastes from cooling-water treatment other than those mentioned in 10 04 09
<b>10 05</b>	<b>wastes from zinc thermal metallurgy</b>
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 08*	wastes from cooling-water treatment containing oil
10 05 09	wastes from cooling-water treatment other than those mentioned in 10 05 08
10 05 10*	dross and skimmings that are flammable or emit, upon contact with water, flammable gases in dangerous quantities
10 05 11	dross and skimmings other than those mentioned in 10 05 10
<b>10 06</b>	<b>wastes from copper thermal metallurgy</b>
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 wastes from gas treatment
10 06 07*	sludges and filter cakes from gas treatment
10 06 09*	wastes from cooling-water treatment containing oil
10 06 10	wastes from cooling-water treatment other than those mentioned in 10 06 09
<b>10 07</b>	<b>wastes from silver, gold and platinum thermal metallurgy</b>
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 07*	wastes from cooling-water treatment containing oil
10 07 08	wastes from cooling-water treatment other than those mentioned in 10 07 07
<b>10 08</b>	<b>wastes from other non-ferrous thermal metallurgy</b>
10 08 04	particulates and dust
10 08 08*	salt slag from primary and secondary production

10 08 09	other slags
10 08 10*	dross and skimmings that are flammable or emit, upon contact with water, flammable gases in dangerous quantities
10 08 11	dross and skimmings other than those mentioned in 10 08 10
10 08 12*	tar-containing wastes from anode manufacture
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
<b>10 09</b>	<b>wastes from casting of ferrous pieces</b>
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 which 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 15*	waste crack-indicating agent containing dangerous substances
10 09 16	waste crack-indicating agent other than those mentioned in 10 09 15
<b>10 10</b>	<b>wastes from casting of non-ferrous pieces</b>
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	flue-gas dust other than those mentioned in 10 10 09
10 10 11*	other particulates containing dangerous substances
10 10 12	other particulates other than those mentioned in 10 10 11

- 10 10 13\* waste binders containing dangerous substances
- 10 10 14 waste binders other than those mentioned in 10 10 13
- 10 10 15\* waste crack-indicating agent containing dangerous substances
- 10 10 16 waste crack-indicating agent other than those mentioned in 10 10 15
- 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 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 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 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 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 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
<b>10 14</b>	<b>waste from crematoria</b>
10 14 01*	waste from gas cleaning containing mercury
<b>11</b>	<b>WASTES FROM CHEMICAL SURFACE TREATMENT AND COATING OF METALS AND OTHER MATERIALS; NON-FERROUS HYDRO-METALLURGY</b>
<b>11 01</b>	<b>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)</b>
11 01 05*	pickling acids
11 01 06*	acids not otherwise specified
11 01 07*	pickling bases
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 11*	aqueous rinsing liquids containing dangerous substances
11 01 12	aqueous rinsing liquids other than those mentioned in 11 01 11
11 01 13*	degreasing wastes containing dangerous substances
11 01 14	degreasing wastes other than those mentioned in 11 01 13
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
<b>11 02</b>	<b>wastes from non-ferrous hydrometallurgical processes</b>
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
<b>11 03</b>	<b>sludges and solids from tempering processes</b>
11 03 01*	wastes containing cyanide
11 03 02*	other wastes
<b>11 05</b>	<b>wastes from hot galvanising processes</b>
11 05 01	hard zinc
11 05 02	zinc ash
11 05 03*	solid wastes from gas treatment
11 05 04*	spent flux
<b>12</b>	<b>WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS</b>
<b>12 01</b>	<b>wastes from shaping and physical and mechanical surface</b>

	<b>treatment of metals and plastics</b>
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 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 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 19*	readily biodegradable machining 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
<b>12 03</b>	<b>wastes from water and steam degreasing processes (except 11)</b>
12 03 01*	aqueous washing liquids
12 03 02*	steam degreasing wastes
<b>13</b>	<b>OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19)</b>
<b>13 01</b>	<b>waste hydraulic oils</b>
13 01 01*	hydraulic oils, containing PCBs <sup>1</sup>
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
<b>13 02</b>	<b>waste engine, gear and lubricating oils</b>
13 02 04*	mineral-based chlorinated engine, gear and lubricating oils
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
<b>13 03</b>	<b>waste insulating and heat transmission oils</b>

<sup>1</sup> For the purpose of this list of wastes, PCBs will be defined as in Directive 96/59/EC.

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
<b>13 04</b>	<b>bilge oils</b>
13 04 01*	bilge oils from inland navigation
13 04 02*	bilge oils from jetty sewers
13 04 03*	bilge oils from other navigation
<b>13 05</b>	<b>oil/water separator contents</b>
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
<b>13 07</b>	<b>wastes of liquid fuels</b>
13 07 01*	fuel oil and diesel
13 07 02*	petrol
13 07 03*	other fuels (including mixtures)
<b>13 08</b>	<b>oil wastes not otherwise specified</b>
13 08 01*	desalter sludges or emulsions
13 08 02*	other emulsions
<b>14</b>	<b>WASTE ORGANIC SOLVENTS, REFRIGERANTS AND PROPELLANTS (except 07 and 08)</b>
<b>14 06</b>	<b>waste organic solvents, refrigerants and foam/aerosol propellants</b>
14 06 01*	chlorofluorocarbons, HCFC, HFC
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
<b>15</b>	<b>WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED</b>
<b>15 01</b>	<b>packaging (including separately collected municipal packaging waste)</b>
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 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
<b>15 02</b>	<b>absorbents, filter materials, wiping cloths and protective clothing</b>
15 02 02*	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances
15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02
<b>16</b>	<b>WASTES NOT OTHERWISE SPECIFIED IN THE LIST</b>
<b>16 01</b>	<b>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)</b>
16 01 03	end-of-life tyres
16 01 04*	end-of-life vehicles
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 11*	brake pads containing asbestos
16 01 12	brake pads other than those mentioned in 16 01 11
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 17	ferrous metal
16 01 18	non-ferrous metal
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 01 22	components not otherwise specified
<b>16 02</b>	<b>wastes from electrical and electronic equipment</b>
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 <sup>2</sup> other than those mentioned in 16 02 09 to 16 02 12
16 02 14	discarded equipment other than those mentioned in 16 02 09 to 16 02 13
16 02 15*	hazardous components removed from discarded equipment
16 02 16	components removed from discarded equipment other than those mentioned in 16 02 15

<sup>2</sup> Hazardous components from electrical and electronic equipment may include accumulators and batteries mentioned in 16 06 and marked as hazardous; mercury switches, glass from cathode ray tubes and other activated glass, etc.

- 16 03 off-specification batches and unused products**
- 16 03 03\* inorganic wastes containing dangerous substances
- 16 03 04 inorganic wastes other than those mentioned in 16 03 03
- 16 03 05\* organic wastes containing dangerous substances
- 16 03 06 organic wastes other than those mentioned in 16 03 05
- 16 05 gases in pressure containers and discarded chemicals**
- 16 05 04\* gases in pressure containers (including halons) containing dangerous substances
- 16 05 05 gases in pressure containers other than those mentioned in 16 05 04
- 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 05 09 discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08
- 16 06 batteries and accumulators**
- 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 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<sup>3</sup> 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 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
- 16 09 02\* chromates, for example potassium chromate, potassium or sodium dichromate

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<sup>3</sup> 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.

- 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 02 aqueous liquid wastes other than those mentioned in 16 10 01
- 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 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 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 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 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 02 bituminous mixtures other than those mentioned in 17 03 01
- 17 03 03\* coal tar and tarred products
- 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 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
<b>17 05</b>	<b>soil (including excavated soil from contaminated sites), stones and dredging spoil</b>
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 in 17 05 05
17 05 07*	track ballast containing dangerous substances
17 05 08	track ballast other than those mentioned in 17 05 07
<b>17 06</b>	<b>insulation materials and asbestos-containing construction materials</b>
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 <sup>4</sup>
<b>17 08</b>	<b>gypsum-based construction material</b>
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
<b>17 09</b>	<b>other construction and demolition wastes</b>
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)
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
<b>18</b>	<b>WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (except kitchen and restaurant wastes not arising from immediate health care)</b>
<b>18 01</b>	<b>wastes from natal care, diagnosis, treatment or prevention of disease in humans</b>
18 01 06*	chemicals consisting of or containing dangerous substances
18 01 07	chemicals other than those mentioned in 18 01 06
18 01 09	medicines other than those mentioned in 18 01 08
<b>18 02</b>	<b>wastes from research, diagnosis, treatment or prevention of disease involving animals</b>

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<sup>4</sup> 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 17 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.'

18 02 05*	chemicals consisting of or containing dangerous substances
18 02 06	chemicals other than those mentioned in 18 02 05
18 02 08	medicines other than those mentioned in 18 02 07
<b>19</b>	<b>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</b>
<b>19 01</b>	<b>wastes from incineration or pyrolysis of waste</b>
19 01 02	ferrous materials removed from bottom ash
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 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 17*	pyrolysis wastes containing dangerous substances
19 01 18	pyrolysis wastes other than those mentioned in 19 01 17
19 01 19	sands from fluidised beds
<b>19 02</b>	<b>wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)</b>
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 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 10	combustible wastes other than those mentioned in 19 02 08 and 19 02 09
19 02 11*	other wastes containing dangerous substances
<b>19 03</b>	<b>stabilised/solidified wastes <sup>5</sup></b>
19 03 04*	wastes marked as hazardous, partly <sup>6</sup> stabilised
19 03 05	stabilised wastes other than those mentioned in 19 03 04
19 03 06*	wastes marked as hazardous, solidified

<sup>5</sup> 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.

<sup>6</sup> A waste is considered as partly stabilised if, after the stabilisation process, dangerous constituents which have not been changed completely into non-dangerous constituents could be released into the environment in the short, middle or long term.

19 03 07	solidified wastes other than those mentioned in 19 03 06
<b>19 04</b>	<b>vitrified waste and wastes from vitrification</b>
19 04 01	vitrified waste
19 04 02*	fly ash and other flue-gas treatment wastes
19 04 03*	non-vitrified solid phase
19 04 04	aqueous liquid wastes from vitrified waste tempering
<b>19 05</b>	<b>wastes from aerobic treatment of solid wastes</b>
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
<b>19 06</b>	<b>wastes from anaerobic treatment of waste</b>
19 06 03	liquor from anaerobic treatment of municipal waste
19 06 04	digestate from anaerobic treatment of municipal waste
19 06 05	liquor from anaerobic treatment of animal and vegetable waste
19 06 06	digestate from anaerobic treatment of animal and vegetable waste
<b>19 07</b>	<b>landfill leachate</b>
19 07 02*	landfill leachate containing dangerous substances
19 07 03	landfill leachate other than those mentioned in 19 07 02
<b>19 08</b>	<b>wastes from waste water treatment plants not otherwise specified</b>
19 08 01	screenings
19 08 02	waste from desanding
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
<b>19 09</b>	<b>wastes from the preparation of water intended for human consumption or water for industrial use</b>
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
<b>19 10</b>	<b>wastes from shredding of metal-containing wastes</b>
19 10 01	iron and steel waste
19 10 02	non-ferrous waste

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 10 06	other fractions other than those mentioned in 19 10 05
<b>19 11</b>	<b>wastes from oil regeneration</b>
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 06	sludges from on-site effluent treatment other than those mentioned in 19 11 05
19 11 07*	wastes from flue-gas cleaning
<b>19 12</b>	<b>wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified</b>
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 06*	wood containing dangerous substances
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 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
<b>19 13</b>	<b>wastes from soil and groundwater remediation</b>
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
19 13 06	sludges from groundwater remediation other than those mentioned in 19 13 05
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
<b>20</b>	<b>MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS</b>
<b>20 01</b>	<b>separately collected fractions (except 15 01)</b>
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 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 25	edible oil and fat
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 30	detergents other than those mentioned in 20 01 29
20 01 32	medicines other than those mentioned in 20 01 31
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 34	batteries and accumulators other than those mentioned in 20 01 33
20 01 35*	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components ( 6 )
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 37*	wood containing dangerous substances
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
<b>20 02</b>	<b>garden and park wastes (including cemetery waste)</b>
20 02 01	biodegradable waste
20 02 02	soil and stones
20 02 03	other non-biodegradable wastes
<b>20 03</b>	<b>other municipal wastes</b>
20 03 01	mixed municipal waste
20 03 02	waste from markets
20 03 03	street-cleaning residues
20 03 06	waste from sewage cleaning
20 03 07	bulky waste

## Schedule 4

### Forms to be used

Unless otherwise agreed in writing between Agency and the Operator, the following Agency forms are to be used for reports submitted to Agency.

<b>Table S3:Reporting Forms</b>		
<b>Media/parameter</b>	<b>Form Number</b>	<b>Date of Form</b>
Air	A1	Format to be agreed in writing by the Agency
Water	W1	Format to be agreed in writing by the Agency
Energy and water consumption	E1	28/02/03
Waste summary	S1	Format to be agreed in writing by the Agency

## Schedule 4 – Form E1

### Energy and Water Consumption

Return for Year .....

**Operator:** Octel Waste Management Ltd

**Installation:** Octel Waste Treatment Centre

#### Reporting Form E1

Parameter	Quantity
Delivered electricity MWh	
Primary electricity MWh	
Primary carbon dioxide tonnes	
Water tonnes	

**END OF PERMIT**