



**ENVIRONMENT
AGENCY**

Permit with introductory note

Pollution Prevention and Control Regulations 2000

**United Utilities Industrial Limited
Bridgend Waste Management Centre
Factory Lane
Pencoed
Bridgend
CF35 5BQ**

Permit number

BM0893

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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 Installation 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

Detail	Date	Comment
Application received	14 June 2002	
Application Duly Made	20 June 2002	Determination date of 20 October 2002
1 st Schedule 4 notice issued to applicant	20 September 2002	Given 28 days to respond (18 October 2002)
Response to 1 st Schedule 4 received	18 October 2002	New determination date of 18 November 2002
Request (1) from Agency to extend determination date	11 November 2002	Requested extension to 18 February 2003
Agreement (1) to extension of determination date	18 November 2002	Agreed extension until 31 January 2003
2 nd Schedule 4 notice sent to applicant	11 December 2002	Given 28 days to respond (7 January 2003)
Response to 2 nd Schedule 4 notice received	18 December 2002	Part response
Response to 2 nd Schedule 4 notice received	8 January 2003	Full response
Request (2) from Agency to extend determination date	31 January 2003	Requested extension to 28 February 2003
Agreement (2) to extension of determination date	3 February 2003	Agreed extension until 28 February 2003
Request (3) from Agency to extend determination date	19 February 2003	Requested extension to 14 March 2003
Agreement (3) to extension of determination date	21 February 2003	Agreed extension to 14 March 2003
Request (4) from Agency to extend determination date	14 March 2003	Requested extension to 21 March 2003
Agreement (4) to extension of determination date	14 March 2003	Agreed extension to 21 March 2003
Request (5) from Agency to extend determination date	21 March 2003	Requested extension to 4 April 2003
Agreement (5) to extension of determination date	24 March 2003	Agreed extension to 4 April 2003
Request (6) from Agency to extend determination date	4 April 2003	Requested extension to 2 May 2003
Agreement (6) to extension of determination date	4 April 2003	Agreed extension to 2 May 2003
Request (7) from Agency to extend determination date	1 May 2003	Requested extension to 16 May 2003
Agreement (7) to extension of determination date	6 May 2003	Agreed extension to 9 May 2003
Financial Provision agreement dated	16 May 2003	
Permit determined	19 May 2003	

End of introductory note.

Permit

Pollution Prevention and Control
Regulations 2000



**ENVIRONMENT
AGENCY**

Permit

Permit number

BM0893

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

United Utilities Industrial Limited ("the Operator"),

Company registration number **04204293**

Whose Registered Office is

Dawson House

Great Sankey

Warrington

Cheshire

WA5 3LW

to operate an Installation at

Bridgend Waste Management Centre

Factory Road

Pencoed

Bridgend

CF35 5BQ

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

Signed

Alan Jones, Environment Management Team Leader

Authorised to sign on behalf of the Environment Agency

Date

19 May 2003

Conditions

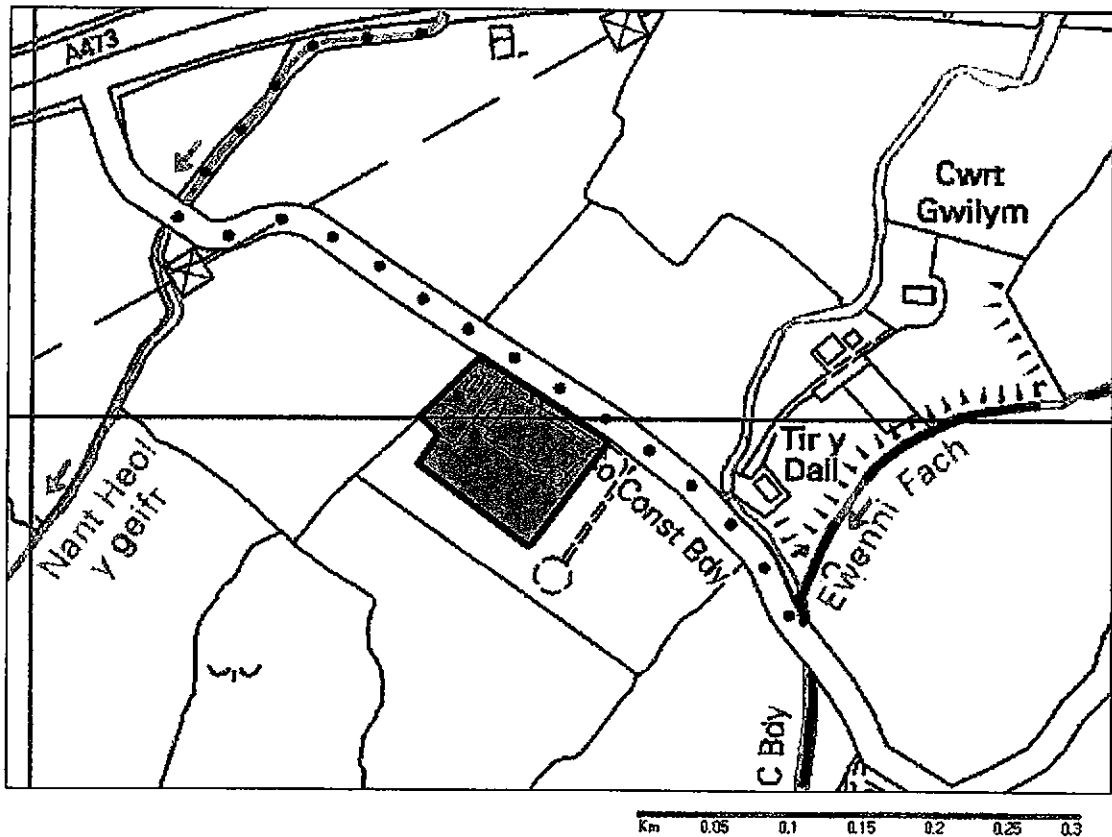
1 The permitted installation

- 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

Activity under Schedule 1 of the Regulations/ Associated Activity	Description of specified activity	Schedule Activity Reference (if applicable)	1 Limits of specified activity (if applicable)
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, D13 Blending or mixing of waste	5.3 A(1)(a)	Treatment consisting of pH adjustment, settlement, separation, addition of coagulant & flocculent and blending of compatible wastes.
Disposal of waste Oils (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 D13 Blending or mixing of waste,	5.3 A(1)(b)	Treatment consisting of screening, settlement, separation, pH adjustment, addition of coagulant & flocculent and blending with other recovered oils.
Disposal of Non-Hazardous waste in a facility with a capacity of more than 50 tonnes per day by physico-chemical treatment	D9 Physico-chemical treatment of waste D13 Blending or mixing of waste	5.3 A(1)(c)(ii)	Treatment consisting of pH adjustment, settlement, separation, addition of coagulant & flocculent and blending of compatible wastes.
Receipt and storage of Hazardous and Non-Hazardous waste	Receive waste from external contractors and storage on site prior to processing.	Directly associated activity	Receipt of waste and storage on site for processing.
Water discharges to foul sewers	Discharge of treated effluents from the installation.	Directly associated activity	From treated effluent storage tanks to point of entry to sewer
Water discharges to controlled waters	Discharge of Installation drainage from the installation.	Directly associated activity	From surface water drains to point of entry to controlled waters

- 1.1.2 The activities authorised under condition 1.1.1 shall not extend beyond the installation, being the shaded area shown on the plan below:



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1.2 Pre operational conditions

Provision and maintenance of Installation containment and drainage systems

- 1.2.1** No waste or other potentially polluting materials which are to be used in combination with those wastes, shall be deposited, stored, treated or otherwise handled in any area of the Installation to be developed until the engineered Installation containment and drainage system for that area has been constructed and completed in accordance with this condition and until the following details have been provided to and acknowledged by the Environment Agency:

Plans and drawings of the completed engineering works which are uniquely referenced and dated to a scale of no less than 1:500, showing;

- a** Layout of areas of hardstanding; and
- b** Layout of areas of impermeable pavement; and
- c** Layout of drainage systems, including details of following, where provided:
 - i** kerbing;
 - ii** interceptors;
 - iii** discharge points;
 - iv** sumps;
 - v** sealed drainage;
 - vi** isolation systems; and
- d** Location and layout of covered buildings and roofed areas, where provided; and
- e** Location and design of fixed tanks – above ground and underground – where provided, with layout of bunds and impermeable pavements or other engineered secondary containment; and
- f** Location and layout of storage areas for drums and other mobile tanks and containers holding potentially polluting or hazardous wastes in liquid or sludge form with layout of silled or bunded areas and impermeable pavements.

- 1.2.2** The engineered Installation containment and drainage systems shall be designed, constructed, inspected, validated and maintained, and shall be fully documented and recorded, to be fit for purpose to the standards specified and details required in Table 1.2.2 below:

Table 1.2.2 Installation containment and drainage standards

Type of Installation Containment and Drainage	Minimum Specified Information and Standards of Design, Construction and Maintenance Required	
Hardstanding	a)	specification of materials and thicknesses;
	b)	specification of undergrade material and minimum thickness - in situ or emplaced;
	c)	description of methods, procedures by, and standards to, which hardstanding will be constructed and maintained.
Impermeable pavement, bunding and sills	a)	specification of materials and dimensions, including details of: <ul style="list-style-type: none"> i) capacities; ii) thickness; iii) falls; iv) degree of permeability; v) strength/reinforcement; vi) degree of resistance to chemical attack.
	b)	specification of engineering standard: the construction should be to an engineering standard appropriate to the materials that will be handled on it and the processes to be used;
	c)	specification of performance standard: the transmission of fluids through the pavement or joints should be prevented;
	d)	description of methods and procedures by which areas of impermeable pavement will be constructed;
	e)	maintenance schedules, i.e. description of methods and procedures by, and standards to, which areas of impermeable pavement will be maintained.
Drainage systems	a)	specification of materials and dimensions, including: <ul style="list-style-type: none"> i) degree of permeability; ii) degree of resistance to chemical attack.
	b)	specified performance standard: which shall be better than a minimum retention of 6 min per chamber at maximum flow rate;
	c)	maintenance schedules, i.e. description of methods and procedures by, and standards to, which drainage systems will be maintained.
Covered buildings or roofed areas	a)	scale drawing of plan and elevations - showing roof surface water drainage;
	b)	description of building;
	c)	maintenance schedules, describing methods and procedures by which covered building or roofing will be maintained.

Table 1.2.2 Installation containment and drainage standards

Type of Installation Containment and Drainage	Minimum Specified Information and Standards of Design, Construction and Maintenance Required
Fixed tanks	1.a) All fixed tanks used for the storage and treatment of wastes or other potentially polluting materials which are to be used in combination with those wastes in the specified waste activities must, as the primary or first line of containment, be constructed and maintained to a standard which is fit for purpose, and which meets the following requirements:
	1.b) All fixed tanks (and their associated inlet and outlet pipes and valves) used for the storage of potentially polluting or hazardous wastes in liquid, or sludge form or other potentially polluting materials which are to be used in combination with those wastes in the specified waste activities shall be located within a bund and on an impermeable pavement, which shall be isolated from the Installation drainage system.
	1.c) specification of materials and dimensions, including details of: i) Materials; ii) Dimensions; iii) Capacities; iv) Permeability; v) Resistance to chemical attack; vi) Joints; vii) Construction Quality Assurance; viii) Maintenance – schedules / frequencies; actions and deadlines.

Table 1.2.2 Installation containment and drainage standards

Type of Installation Containment and Drainage	Minimum Specified Information and Standards of Design, Construction and Maintenance Required
Storage areas for drums and other mobile tanks and containers	<p>a) All drums and other mobile tanks and containers which are used for the storage and treatment of potentially polluting or hazardous wastes in liquid or sludge form or other potentially polluting materials which are to be used in combination with those wastes in the specified waste management activities, must, as the primary or first line of containment, be constructed and maintained to a standard which is fit for purpose, and which meets the following requirements:</p> <p>b) All drums and other mobile tanks and containers having a individual capacities of greater than 10 litres which are used for the storage of potentially polluting or hazardous wastes in liquid or sludge form, or other potentially polluting materials which are to be used in combination with those wastes in the specified waste management activities, shall be stored within silled areas with impermeable pavement, which shall be isolated from the installation drainage system and shall meet the following specifications:</p> <p>c) Containers used for the storage of wastes shall be United Nations approved.</p> <p>d) Specification of materials and dimensions, including details of:</p> <ul style="list-style-type: none"> i) Silled area construction and capacity; ii) Impermeable bases/floors - and design parameters; iii) Maintenance schedules/frequencies actions and deadlines.

Construction quality assurance of new Installation containment and drainage systems

1.2.3

No wastes or other potentially polluting materials which are to be used in combination with those wastes shall be deposited, stored, treated or otherwise handled in any area or in any fixed tank for which an engineered Installation containment and drainage system has been newly constructed to meet the requirements of this condition until:

- a** An independent construction quality assurance proposal has been produced by a third party to determine whether the engineered Installation containment and drainage system to has been constructed to the appropriate standards and in accordance with the proposal requirements of condition 1.2.2, the construction quality assurance plan shall be submitted in writing to the Agency and acknowledged in writing by the Agency; and
- b** The details of the identities, relevant experience and relevant qualifications of the personnel who will be providing the independent construction quality assurance of the engineered Installation containment and drainage systems have been submitted in writing to the Agency and acknowledged in writing by the Agency; and
- c** at least two months prior to the start of commissioning, the Operator shall submit to the Agency an independent construction quality assurance assessment that has been carried out by a third party on the construction of the engineered Installation containment and drainage system which has been acknowledged in writing by the Agency.

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	Response to question B2.1 document reference number 01/BWTC/03 of the application	14/06/02

- 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; and
- 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: and
 - 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) 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** The financial provision for meeting the obligations under this Permit set out in the Agreement made between the Licence Holder and the Agency dated 16 May 2003 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 at the Installation if they are:
 - a** Specified in the list of defined 6 digit coded types of waste in Schedule 4 of this permit; and
 - b** not listed in Table 2.2.1 or Table 2.2.2 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 2.2.3, 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 2.2.4, or as otherwise agreed in writing by the Agency; and which shall meet the minimum standards set out in Table 2.2.5.

Table 2.2.1: Defined hazardous wastes which may not be accepted on the Installation

Description:	Definition:
H1 Explosive	Substances and preparations that may explode under the effect of flame or which are more sensitive to shocks or friction than dinitrobenzene.
H3A (indents i to v) Highly Flammable	<ul style="list-style-type: none"> i. Liquid substances and preparations having a flash point below 21° Celsius; ii. Substances and preparations that may become hot and finally catch fire in contact with air at ambient temperature without any application of energy; iii. Solid substances and preparations that may readily catch fire after brief contact with a source of ignition and which continue to burn or to be consumed after removal of the source of ignition; iv. Gaseous substances and preparations that are flammable in air at normal pressure; v. Substances and preparations that, in contact with water or damp air, evolve highly flammable gases in dangerous quantities.
H9 Infectious	Substances containing viable micro-organisms or their toxins that are known or reliably believed to cause disease in man or other living organisms.
H12 Contact with water or an acid liberates toxic or very toxic gasses	Substances and preparations that release toxic or very toxic gases in contact with water, air or an acid.

Table 2.2.2 Excluded wastes of specified form and type

Waste Characteristic	Type
Form and Type:	Solid Powders Fibres Dry wastes
Form of containers and degree of mixing within containers:	Bulk loose uncontainerised wastes Skip wastes

Table 2.2.3: List of waste types and quantities

Description	Parts	Date Received
Application	The response to question 2.1 given in section 6 of document reference number 01/BWTC/03 of the application.	14/06/02
Response to 2 nd Schedule 4 Notice Part 1 dated 11/12/02	Response to attached schedule of questions; Appendix 12 to document reference number 01/BTWC/03	18/12/02

Table 2.2.4: Documented waste acceptance procedures and criteria

Description	Parts	Date Received
Application	The response to question B2.1 given in document reference number 01/BWTC/03, section 7 of the application.	14/06/02
Response to 2 nd Schedule 4 Notice Part 1 dated 11/12/02	Response to attached schedule of question; supplementary information: Control measures to prevent List 1 substances from being discharged to the sewer, document reference number 02.12.16 list 1 control measures, dated 16/12/02	18/12/02

Table 2.2.5: Minimum standards for waste acceptance procedures on the Installation

Waste acceptance stage:	Standard:
Pre-delivery and delivery of wastes	<p>The Operator shall ensure that the waste in question can be accepted at the Installation in accordance with condition 2.2.1 of this permit, and that this is recorded in accordance with condition 3.1.1.d.</p> <p>These procedures 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 and planned treatment operations specified in condition 1.1.1 table 1.1.1 of this permit remains unchanged.</p>
Acceptance of wastes following delivery	<p>The documented waste acceptance procedures shall include the following reception procedures:</p> <p>Checking and recording the waste documentation</p> <p>Visual inspection of the waste and its container(s)</p> <p>Representative sampling of wastes in accordance with the response to Schedule 4 Part 1 Notice dated 11/12/02 provided in section 2 of the supplementary information: Control measures to prevent List 1 substances from being discharged to the sewer, document reference number 02.12.16 List 1 control measures, dated 16/12/02</p> <p>Keeping a register of the quantities and characteristics of the waste accepted in accordance with condition 3.1.1 e and schedule 3 of this permit.</p> <p>The Operator shall always provide written acknowledgements of receipt of each delivery accepted at the Installation</p>
2.2.2	The total quantity of waste stored at the Installation shall not exceed 778 cubic metres.
2.2.3	The quantity of all wastes (excluding domestic wastes that are received for direct discharge to sewer) that are accepted at the Installation shall not exceed 115,000 tonnes in any year and the total quantity of that waste which is Hazardous waste shall not exceed 75,000 tonnes in any year.
	<i>Raw materials (including water)</i>
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 2.2.6, or as otherwise agreed in writing by the Agency.

Table 2.2.6: Raw materials (including water)

Description	Parts	Date Received
Application	The response to question B2.2 given in sections (01/BWTC/04) of the application.	14/06/02
Response to 2 nd Schedule 4 Notice Part 1 dated 11/12/02	Response to attached schedule of questions; Appendix 12 to document reference number 01/BTWC/03.	18/12/02

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 B2.2 and B2.5 given in sections 01/BWTC/03 and 01/BWTC/05 of the application.	14/06/02
Response to 2 nd Schedule 4 Notice Part 1 dated 11/12/02	Response to attached schedule of questions; section 6 process description, process flowcharts 1, 2 & 3 and Appendix 12 to document reference number 01/BTWC/03.	18/12/02

2.3.2 In the event of damage to, or malfunction of any abatement system installed for the waste treatment tanks, no further wastes shall be accepted or treated in those tanks 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 B2.4 given in section 01/BWTC/06 of the application.	14/06/02

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 questions B2.5 & B2.6 in section B2.5 & B2.6 (01/BWTC/07) of the application.	14/06/02
Response to 1 st Schedule 4 Notice Part 1 dated 20/09/02	Response to attached schedule of questions; B2.5 & B2.6 Rev 03 to document reference number 01/BTWC/07.	18/10/02

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

Table 2.5.2: Waste stored on Installation

Description of Waste	Location of Storage on Installation	Manner of Storage	Storage Conditions
Non hazardous liquids and sludges; Municipal wastes (group 20 03) as specified in, Appendix 12 to document reference number 01/BWTC/03 of the application in response to 2 nd Schedule 4 Notice dated 11/12/02.	Areas as detailed on Figure 1 of Appendix 1 to question B2.3 of the application, document reference number 01/BWTC/05.	In above ground tanks as detailed in section 4.7, process 1, document reference number 01/BWTC/03 of the application.	<p>i) Quantities shall not exceed the maximum storage capacities as specified in section 4.7, process 1, document reference number 01/BWTC/03 of the application.</p> <p>ii) All tanks shall be identified and labelled as I-01, I-02, I-03 and I-04 as specified in section 4.7, process 1, document reference number 01/BWTC/03 of the application.</p>
Non Hazardous and Hazardous liquids and sludges as specified in, Appendix 12 to document reference number 01/BWTC/03 of the application in response to 2 nd Schedule 4 Notice Part 1 dated 11/12/02.	Areas as detailed on Figure 2, Drawing No. S3595-005-1 dated 06-12-01 of Appendix 1 to question B2.3 of the application, document reference number 01/BWTC/05.	In above ground tanks or IBC's as detailed in section 4, process 2 & 3 document reference number 01/BWTC/03 of the application.	<p>i) Quantities shall not exceed the maximum storage capacities of the tanks as specified in section 4, processes 2 & 3, document reference number 01/BWTC/03 of the application.</p> <p>ii) All tanks and IBC's shall be labelled to identify their contents and process description.</p>
Oils and oil containing liquids and sludges	Areas as detailed on Figure 2, Drawing No. S3595-005-1 dated 06-12-01 of Appendix 1 to question B2.3 of the application, document reference number 01/BWTC/05.	In above ground tanks or IBC's as detailed in section 4, process 2 & 3 document reference number 01/BWTC/03 of the application.	<p>i) Quantities shall not exceed the maximum storage capacities, as specified in section 4, processes 2 & 3, document reference number 01/BWTC/03 of the application.</p> <p>ii) All tanks and IBC's shall be labelled to identify their contents and process description.</p>

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 questions B2.5 & B2.6 in section B2.5 & B2.6 (01/BWTC/07) of the application.	14/10/02
Response to 1 st Schedule 4 Notice Part 1 dated 20/09/02	Response to attached schedule of questions; B2.5 & B2.6 Rev 03 to document reference number 01/BTWC/07.	18/10/02

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 (01/BWTC/08) of the application	14/06/02

- 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 within 28 days of year end.
- 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 (01/BWTC/09) of the application	14/06/02

- 2.8.2 An adequate supply of absorbents, cleaning materials, cleaning equipment and containers shall be made available on Installation at all times which can be readily accessed and used to remediate leaks or spillage's as and when required.

2.8.3 Leaks or spillage's shall be cleaned up immediately using methods appropriate to the waste or material involved.

2.8.4 In the event of any damage occurring which breaches or threatens to breach the integrity of the Installation 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 as set out in table 1.2.2 to match the original specification.

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 (01/BWTC/10) of the application	14/06/02

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 (01/BWTC/11) of the application	14/06/02

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 Measurements for the determination of concentrations of substances specified in this permit shall be carried out representatively.

2.10.5 Methods to calibrate automated, continuous, measurement systems shall be carried out as specified by the appropriate CEN-standards. If CEN standards are not available, ISO standards, national or international standards which will ensure the provision of data of an equivalent scientific quality, as agreed in writing with the Agency, shall apply. The reference measurements used shall be agreed in writing with the Agency. The results of the assessment shall be submitted, to the Agency in writing, within one month of the completion of the assessment.

2.10.6 Analysis of the samples for substances specified in this permit shall be carried at a UKAS certified laboratory, or as otherwise agreed in writing, by the Agency.

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 (01/BWTC/12) of the application	14/06/02

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 and district of origin. 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 Installation, including: date of delivery and reason for 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; district of destination 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 Installation 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 four years from the date when the records were made at the Bridgend Waste Management Centre 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 3;
 - 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 annually by 31st March 2003, 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** any change in the Operator's trading name, registered name or registered office address;
 - b** 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);
 - c** 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 There shall be no emission to air (except where these emissions are passive i.e. caused by displacement of air from receiving tanks) from the Permitted Installation.

6.2 Control of odours

- 6.2.1 Measures shall be implemented and maintained throughout the operational life of the Installation to control and monitor emissions of odours from the Installation, in accordance with this condition and Table 6.2.1.
- 6.2.2 All passive emissions to air from the Installation 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 Installation boundary, as perceived by an Authorised Officer of the Agency.
- 6.2.3 In the event that any odours arising from the Installation are released, or are likely to be released, onto public areas outside the Installation 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.

Odour Control measures	Specified standards
Monitoring of odorous emissions	Olfactory monitoring of aerial emissions from the Installation shall be carried out by the Installation manager or supervisor, at least once a day when the Installation is operational.
Odorous emissions action plan	<p>i) On detection or notification of aerial emissions of odour that is being, or likely to be, transported beyond the Installation 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 remedial action taken with immediate effect to mitigate the effects of the odour, such measures may include immediate removal of the waste from the Installation.</p> <p>ii) The incident and remedial action shall be recorded in the Installation 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]

There shall be no emissions to water from the Permitted Installation

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
Final Effluent Discharge Point S1	Rainfall Related Uncontaminated Installation Run Off and Treated Waste Water	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	Final Effluent Discharge Point	Frequency of monitoring
Daily Discharge m ³ /day	1400 (700 Trade Effluent / 700 Septic Tank Waste)	Continuous
Peak Flow Rate	10 l/s	Continuous
pH range (minimum to maximum)	6 – 10 pH Units	Spot sample per batch
Total suspended solids	1,700 mg/l	Spot sample per batch
COD	-	Spot sample per batch
Temperature	43°C	Spot sample per batch
Oil & Grease	100 mg/l	Spot sample per batch
Total Sulphate	1000 mg/l	Spot sample per batch
Total NH3-N	500 mg/l	Spot sample per batch
Total Chromium	2 mg/l	Spot sample per batch
Total Copper	2 mg/l	Spot sample per batch
Total Lead	2 mg/l	Spot sample per batch
Total Nickel	2 mg/l	Spot sample per batch
Total Zinc	2 mg/l	Spot sample per batch
CN	2 mg/l	Spot sample per batch
Total Sulphide	3 mg/l	Spot sample per batch
Monohydric Phenols*	100 mg/l	Spot sample per batch
Manoxol OT	30 mg/l	Spot sample per batch

* Increase in Phenol concentration up to the maximum limit should not exceed 10mg/l in any one day. Increase in phenol loading shall not exceed 7 kilograms per day.

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 prescribed for water 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 a daily 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 day.

Table 6.5.4 Daily mass emission limit

Substance	Daily limit – kg
COD	5000 kg/day
Total NH ₃ -N	140 kg/day
Monohydric Phenols*	Daily Increase of less than 7 kg/day

* Increase in Phenol concentration up to the maximum limit should not exceed 10mg/l in any one day. Increase in Phenol loading shall not exceed 7 kilograms per day.

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 Installation conditions

8.1.1 There are no off Installation 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 proposals and a timetable to the Agency for the implementation of an externally audited Environmental Management System which will have regard to section 2.1 of the relevant Agency IPPC Sectoral Guidance or other Technical Guidance published by the Agency.	1 April 2004
9.2	The Operator shall submit to the Agency a decommissioning report having regard to section 2.11 of the relevant IPPC Sectoral or other Technical Guidance.	1 April 2004
9.3	The Operator shall identify the main chemical constituents of the air emissions that are likely to contain VOC's and shall submit a report to the Agency which shall also include an assessment of the significance and fate of these compounds in the environment.	1 October 2003
9.4	The Operator shall submit an odour management plan to the Agency, including an action plan to implement improvements. If the report identifies improvements that represent BAT, it shall contain a timetable for implementing those improvements.	1 October 2003
9.5	The waste pre-acceptance/acceptance procedures specified in the supplementary information: Control measures to prevent List 1 substances from being discharged to the sewer, document reference number 02.12.16 list 1 control measures, dated 16/12/02 shall be reviewed by the Operator and agreed in writing by the Agency. If the review identifies improvements that represent BAT, it shall contain a timetable for implementing those improvements.	1 October 2003

Interpretation

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

"Accepted"

for waste being delivered to the Installation, shall mean accepted as waste input to the Installation for storage and/or processing and/or disposal under the specified waste management activities.

"Annually"

means once per year with at least 11 months between tests

"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.

"Hazardous waste"

has the meaning defined by article 1.4 of Council Directive 91/689/EEC and the list annexed to article 1 of Council Decision 94/904/EC as amended by commission decision 2000/532/EC or any other directives or decisions amending or replacing them.

"List 1"

means those substances as prescribed in Directive 76/464/EEC

"Maintenance"

for engineering maintenance specified in these conditions, means the process of inspection, testing, repair of the relevant engineering works specified in 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.

"Preparatory works"

means engineering works required prior to the carrying out of the activities authorised 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.

"Waste"

means controlled waste as defined in section 75(4) of the Environmental Protection Act 1990 and the Controlled Waste Regulations 1992 or any statutory provisions or regulations amending or replacing them;

"Year"

means calendar year ending 31 December.

"3 monthly"

means twice per year with at least 2 months between tests.

"6 monthly"

means twice per year with at least 5 months between tests.

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 In this Permit the following abbreviations shall have the following meanings:

"IBC" – Intermediate Bulk Container

"plc." – Public Limited Company

"BAT" – Best Available Techniques

"CEM" – Continuous Emissions Monitoring

"CEN" – European Committee for standardisation (Comité Européen de Normalisation)

"COD" – Chemical Oxygen Demand

"ISO" – International Standards Organisation

"l/s" – Litres Per Second

"NH₃-N" – Compounds of Ammonia

"CN" – Cyanide

"Manoxol OT" – Anionic detergent- Sodium Dioctyl Sulphosuccinate (anionic surface-active agent).

"kg/day" – Kilograms per day

"EC" – European Community

"EEC" – European Economic Community

"mWh" – Mega Watts Per Hour

"UKAS" – United Kingdom Accreditation Service

"UK" – United Kingdom

VOC – Volatile Organic Carbon

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.
-
- | | |
|------------------------------------|-------------------------------|
| <input type="checkbox"/> Name | <input type="checkbox"/> Post |
| <input type="checkbox"/> Signature | <input type="checkbox"/> Date |
- ☐ Statement that signatory is authorised to sign on behalf of United Utilities Industrial Limited.

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.

Table S2: Reporting of monitoring data			
Parameter	Emission point	Reporting period	Period begins
Daily Discharge	S1	6 monthly	30 June 2003
Peak Flow Rate	S1	6 monthly	30 June 2003
pH	S1	6 monthly	30 June 2003
COD	S1	6 monthly	30 June 2003
Suspended solids	S1	6 monthly	30 June 2003
Temperature	S1	6 monthly	30 June 2003
Oil & Grease	S1	6 monthly	30 June 2003
Total Sulphate	S1	6 monthly	30 June 2003
Total NH3-N	S1	6 monthly	30 June 2003
Total Chromium	S1	6 monthly	30 June 2003
Total Copper	S1	6 monthly	30 June 2003
Total Lead	S1	6 monthly	30 June 2003
Total Nickel	S1	6 monthly	30 June 2003
Total Zinc	S1	6 monthly	30 June 2003
CN	S1	6 monthly	30 June 2003
Total Sulphide	S1	6 monthly	30 June 2003
Monohydric Phenols	S1	6 monthly	30 June 2003
Manoxol OT	S1	6 monthly	30 June 2003
Delivered electricity MWh	-	Annually	30 June 2003
Water tonnes	-	Annually	30 June 2003
Waste summary	-	Annually	30 June 2003

Schedule 3

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.

Table S3: Reporting Forms		
Media/parameter	Form Number	Date of Form
Discharge to sewer	S1	19 May 2003
Energy and water consumption	E1	19 May 2003
Waste return summary	WMS1 & WMS3 (for interim use only).	Forms WMS1 & WMS3 waste return forms are not dated.

Schedule 4

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 03	wastes from physical and chemical processing of metalliferous minerals
01 03 04*	acid-generating tailings from processing of sulphide ore
01 03 06	tailings other than those mentioned in 01 03 04 and 01 03 05
01.03.99	wastes not otherwise specified
01 04	wastes from physical and chemical processing of non-metalliferous minerals
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
01.04.99	wastes not otherwise specified
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 07	barite-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06
01.05.99	wastes not otherwise specified
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 09	agrochemical waste other than those mentioned in 02 01 08
02.01.99	wastes not otherwise specified
02 02	wastes from the preparation and processing of meat, fish and other foods of animal origin
02 02 01	sludges from washing and cleaning
02 02 02	animal-tissue waste
02 02 03	materials unsuitable for consumption or processing
02 02 04	sludges from on-installation effluent treatment
01.02.99	wastes not otherwise specified

- 02 03 wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tobacco preparation and processing; conserve production; yeast and yeast extract production, molasses preparation and fermentation**
- 02 03 01 sludges from washing, cleaning, peeling, centrifuging and separation
- 02 03 04 materials unsuitable for consumption or processing
- 02 03 05 sludges from on-Installation effluent treatment
- 02.03.99 wastes not otherwise specified
- 02 04 wastes from sugar processing**
- 02 04 03 sludges from on-Installation effluent treatment
- 02.04.99 wastes not otherwise specified
- 02 05 wastes from the dairy products industry**
- 02 05 01 materials unsuitable for consumption or processing
- 02 05 02 sludges from on-Installation effluent treatment
- 02.05.99 wastes not otherwise specified
- 02 06 wastes from the baking and confectionery industry**
- 02 06 01 materials unsuitable for consumption or processing
- 02 06 03 sludges from on-Installation effluent treatment
- 02.06.99 wastes not otherwise specified
- 02 07 wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa)**
- 02 07 01 wastes from washing, cleaning and mechanical reduction of raw materials
- 02 07 03 wastes from chemical treatment
- 02 07 04 materials unsuitable for consumption or processing
- 02 07 05 sludges from on-Installation effluent treatment
- 02.07.99 wastes not otherwise specified
- 03 WASTES FROM WOOD PROCESSING AND THE PRODUCTION OF PANELS AND FURNITURE, PULP, PAPER AND CARDBOARD**
- 03 01 wastes from wood processing and the production of panels and furniture**
- 03.01.99 wastes not otherwise specified
- 03 02 wastes from wood preservation**
- 03.02.99 wastes not otherwise specified
- 03 03 wastes from pulp, paper and cardboard production and processing**
- 03 03 02 green liquor sludge (from recovery of cooking liquor)
- 03 03 05 de-inking sludges from paper recycling
- 03 03 08 wastes from sorting of paper and cardboard destined for recycling
- 03 03 09 lime mud waste
- 03 03 11 sludges from on-Installation effluent treatment other than those mentioned in 03 03 10
- 03.03.99 wastes not otherwise specified

- 04 WASTES FROM THE LEATHER, FUR AND TEXTILE INDUSTRIES**
 - 04 01 wastes from the leather and fur industry**
 - 04 01 01 fleshings and lime split wastes
 - 04 01 02 liming waste
 - 04 01 04 tanning liquor containing chromium
 - 04 01 05 tanning liquor free of chromium
 - 04 01 06 sludges, in particular from on-Installation effluent treatment containing chromium
 - 04 01 07 sludges, in particular from on-Installation effluent treatment free of chromium
 - 04 01 09 wastes from dressing and finishing
 - 04.01.99 wastes not otherwise specified
 - 04 02 wastes from the textile industry**
 - 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 17 dyestuffs and pigments other than those mentioned in 04 02 16
 - 04 02 20 sludges from on-Installation 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
 - 04.02.99 wastes not otherwise specified
- 05 WASTES FROM PETROLEUM REFINING, NATURAL GAS PURIFICATION AND PYROLYTIC TREATMENT OF COAL**
 - 05 01 wastes from petroleum refining**
 - 05 01 02* desalter sludges
 - 05 01 03* tank bottom sludges
 - 05 01 04* acid alkyl sludges
 - 05 01 05* oil spills
 - 05 01 06* oily sludges from maintenance operations of the plant or equipment
 - 05 01 10 sludges from on-Installation effluent treatment other than those mentioned in 05 01 09
 - 05 01 13 boiler feedwater sludges
 - 05 01 14 wastes from cooling columns
 - 05 06 wastes from the pyrolytic treatment of coal**
 - 05 06 04 waste from cooling columns
 - 05 06 99 wastes not otherwise specified
 - 05 07 wastes from natural gas purification and transportation**
 - 05 07 02 wastes containing sulphur
 - 05 07 99 wastes not otherwise specified

06	WASTES FROM INORGANIC CHEMICAL PROCESSES
06 01	wastes from the manufacture, formulation, supply and use (MFSU) of acids
06 01 01*	sulphuric acid and sulphurous acid
06 01 02*	hydrochloric acid
06 01 03*	hydrofluoric acid
06 01 04*	phosphoric and phosphorous acid
06 01 05*	nitric acid and nitrous acid
06 01 06*	other acids
06 01 99	wastes not otherwise specified
06 02	wastes from the MFSU of bases
06 02 01*	calcium hydroxide
06 02 03*	ammonium hydroxide
06 02 04*	sodium and potassium hydroxide
06 02 05*	other bases
06 02 99	wastes not otherwise specified
06 03	wastes from the MFSU of salts and their solutions and metallic oxides
06 03 15*	metallic oxides containing heavy metals
06 03 16	metallic oxides other than those mentioned in 06 03 15
06 03 99	wastes not otherwise specified
06 04	metal-containing wastes other than those mentioned in 06 03
06 04 05*	wastes containing other heavy metals
06 04 99	wastes not otherwise specified
06 05	sludges from on-installation effluent treatment
06 05 03	sludges from on-installation effluent treatment other than those mentioned in 06 05 02
06 06	wastes from the MFSU of sulphur chemicals, sulphur chemical processes and desulphurisation processes
06 06 03	wastes containing sulphides other than those mentioned in 06 06 02
06 06 99	wastes not otherwise specified
06 07	wastes from the MFSU of halogens and halogen chemical processes
06 07 04*	solutions and acids, for example contact acid
06 07 99	wastes not otherwise specified
06 08	wastes from the MFSU of silicon and silicon derivatives
06 08 99	wastes not otherwise specified
06 09	wastes from the MFSU of phosphorous chemicals and phosphorous chemical processes
06 09 04	calcium-based reaction wastes other than those mentioned in 06 09 03
06 09 99	wastes not otherwise specified
06 10	wastes from the MFSU of nitrogen chemicals, nitrogen chemical processes and fertiliser manufacture
06 10 99	wastes not otherwise specified
06 11	wastes from the manufacture of inorganic pigments and opacifiers
06 11 01	calcium-based reaction wastes from titanium dioxide production
06 11 99	wastes not otherwise specified
06 13	wastes from inorganic chemical processes not otherwise specified

07	WASTES FROM ORGANIC CHEMICAL PROCESSES
07 01	wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals
07 01 01*	aqueous washing liquids and mother liquors
07 01 12	sludges from on-Installation effluent treatment other than those mentioned in 07 01 11
07 01 99	wastes not otherwise specified
07 02	wastes from the MFSU of plastics, synthetic rubber and man-made fibres
07 02 01*	aqueous washing liquids and mother liquors
07 02 12	sludges from on-Installation effluent treatment other than those mentioned in 07 02 11
07 02 15	wastes from additives other than those mentioned in 07 02 14
07 02 99	wastes not otherwise specified
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 12	sludges from on-Installation effluent treatment other than those mentioned in 07 03 11
07 03 99	wastes not otherwise specified
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 12	sludges from on-Installation effluent treatment other than those mentioned in 07 04 11
07 04 99	wastes not otherwise specified
07 05	wastes from the MFSU of pharmaceuticals
07 05 01*	aqueous washing liquids and mother liquors
07 05 12	sludges from on-Installation effluent treatment other than those mentioned in 07 05 11
07 05 99	wastes not otherwise specified
07 06	wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics
07 06 01*	aqueous washing liquids and mother liquors
07 06 99	wastes not otherwise specified
07 07	wastes from the MFSU of fine chemicals and chemical products not otherwise specified
07 07 01*	aqueous washing liquids and mother liquors
07 07 99	wastes not otherwise specified

- 08 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS**
 - 08 01 wastes from MFSU and removal of paint and varnish**
 - 08 01 12 waste paint and varnish other than those mentioned in 08 01 11
 - 08 01 14 sludges from paint or varnish other than those mentioned in 08 01 13
 - 08 01 16 aqueous sludges containing paint or varnish other than those mentioned in 08 01 15
 - 08 01 18 wastes from paint or varnish removal other than those mentioned in 08 01 17
 - 08 01 20 aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19
 - 08 01 21* waste paint or varnish remover
 - 08 01 99 wastes not otherwise specified
 - 08 02 wastes from MFSU of other coatings (including ceramic materials)**
 - 08 02 02 aqueous sludges containing ceramic materials
 - 08 02 03 aqueous suspensions containing ceramic materials
 - 08 02 99 wastes not otherwise specified
 - 08 03 wastes from MFSU of printing inks**
 - 08 03 07 aqueous sludges containing ink
 - 08 03 08 aqueous liquid waste containing ink
 - 08 03 13 waste ink other than those mentioned in 08 03 12
 - 08 03 15 ink sludges other than those mentioned in 08 03 14
 - 08 03 19* disperse oil
 - 08 03 99 wastes not otherwise specified
 - 08 04 wastes from MFSU of adhesives and sealants (including waterproofing products)**
 - 08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09
 - 08 04 12 adhesive and sealant sludges other than those mentioned in 08 04 11
 - 08 04 14 aqueous sludges containing adhesives or sealants other than those mentioned in 08 04 13
 - 08 04 16 Aqueous liquid waste containing adhesives or sealants other than those mentioned in 08 04 15
 - 08 04 99 wastes not otherwise specified
- 09 WASTES FROM THE PHOTOGRAPHIC INDUSTRY**
 - 09 01 wastes from the photographic industry**
 - 09 01 01* water-based developer and activator solutions
 - 09 01 02* water-based offset plate developer solutions
 - 09 01 99 wastes not otherwise specified

10	WASTES FROM THERMAL PROCESSES
10 01	wastes from power stations and other combustion plants (except 19)
10 01 09*	sulphuric acid
10 01 19	wastes from gas cleaning other than those mentioned in 10 01 05, 10 01 07 and 10 01 18
10 01 21	sludges from on-Installation effluent treatment other than those mentioned in 10 01 20
10 01 23	aqueous sludges from boiler cleansing other than those mentioned in 10 01 22
10 01 25	wastes from fuel storage and preparation of coal-fired power plants
10 01 26	wastes from cooling-water treatment
10 01 99	wastes not otherwise specified
10 02	wastes from the iron and steel industry
10 02 01	wastes from the processing of slag
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 99	wastes not otherwise specified
10 03	wastes from aluminium thermal metallurgy
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 04	wastes from lead thermal metallurgy
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
10 04 99	wastes not otherwise specified
10 05	wastes from zinc thermal metallurgy
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 99	wastes not otherwise specified
10 06	wastes from copper thermal metallurgy
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
10 06 99	wastes not otherwise specified
10 07	wastes from silver, gold and platinum thermal metallurgy
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
10 07 99	wastes not otherwise specified
10 08	wastes from other non-ferrous thermal metallurgy
10 08 19*	wastes from cooling-water treatment containing oil
10 08 20	wastes from cooling-water treatment other than those mentioned in 10 08 19

- 10 08 99 wastes not otherwise specified
- 10 09 wastes from casting of ferrous pieces**
- 10 09 14 waste binders other than those mentioned in 10 09 13
- 10 09 16 waste crack-indicating agent other than those mentioned in 10 09 15
- 10 09 99 wastes not otherwise specified
- 10 10 wastes from casting of non-ferrous pieces**
- 10 10 16 waste crack-indicating agent other than those mentioned in 10 10 15
- 10 10 99 wastes not otherwise specified
- 10 11 wastes from manufacture of glass and glass products**
- 10 11 10 waste preparation mixture before thermal processing, other than those mentioned in 10 11 09
- 11 WASTES FROM CHEMICAL SURFACE TREATMENT AND COATING OF METALS AND OTHER MATERIALS; NON-FERROUS HYDRO-METALLURGY**
- 11 01 wastes from chemical surface treatment and coating of metals and other materials (for example galvanic processes, zinc coating processes, pickling processes, etching, phosphatising, alkaline degreasing, anodising)**
- 11 01 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 98* other wastes containing dangerous substances
- 11 01 99 wastes not otherwise specified
- 11 02 wastes from non-ferrous hydrometallurgical processes**
- 11 02 03 wastes from the production of anodes for aqueous electrolytical processes
- 11 02 06 wastes from copper hydrometallurgical processes other than those mentioned in 11 02 05
- 11 02 99 wastes not otherwise specified
- 11 03 sludges and solids from tempering processes**
- 11 05 wastes from hot galvanising processes

- 12 WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS**
- 12 01 wastes from shaping and physical and mechanical surface treatment of metals and plastics**
- 12 01 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 14* machining sludges containing dangerous substances
- 12 01 15 machining sludges other than those mentioned in 12 01 14
- 12 01 18* metal sludge (grinding, honing and lapping sludge) containing oil
- 12 01 19* readily biodegradable machining oil
- 12 03 01* aqueous washing liquids
- 12 03 02* steam degreasing wastes
- 13 OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19)**
- 13 01 waste hydraulic oils**
- 13 01 05* non-chlorinated emulsions
- 13 01 09* mineral-based chlorinated hydraulic oils
- 13 01 10* mineral based non-chlorinated hydraulic oils
- 13 01 11* synthetic hydraulic oils
- 13 01 12* readily biodegradable hydraulic oils
- 13 01 13* other hydraulic oils
- 13 02 waste engine, gear and lubricating oils**
- 13 02 05* mineral-based non-chlorinated engine, gear and lubricating oils
- 13 02 06* synthetic engine, gear and lubricating oils
- 13 02 07* readily biodegradable engine, gear and lubricating oils
- 13 02 08* other engine, gear and lubricating oils
- 13 03 waste insulating and heat transmission oils**
- 13 03 06* mineral-based chlorinated insulating and heat transmission oils other than those mentioned in 13 03 01
- 13 03 07* mineral-based non-chlorinated insulating and heat transmission oils
- 13 03 08* synthetic insulating and heat transmission oils
- 13 03 09* readily biodegradable insulating and heat transmission oils
- 13 03 10* other insulating and heat transmission oils
- 13 04 bilge oils**
- 13 04 01* bilge oils from inland navigation
- 13 04 02* bilge oils from jetty sewers
- 13 04 03* bilge oils from other navigation
- 13 05 oil/water separator contents**
- 13 05 02* sludges from oil/water separators
- 13 05 03* interceptor sludges
- 13 05 06* oil from oil/water separators

- 13 05 07* oily water from oil/water separators
- 13 05 08* mixtures of wastes from grit chambers and oil/water separators
- 13 07 wastes of liquid fuels**
- 13 07 01* fuel oil and diesel
- 13 07 03* other fuels (including mixtures)
- 13 08 oil wastes not otherwise specified**
- 13 08 02* other emulsions
- 13 08 99* wastes not otherwise specified
- 16 WASTES NOT OTHERWISE SPECIFIED IN THE LIST**
- 16 01 end-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)**
- 16 01 14* antifreeze fluids containing dangerous substances
- 16 01 15 antifreeze fluids other than those mentioned in 16 01 14
- 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 07 99 wastes not otherwise specified
- 16 08 spent catalysts**
- 16 08 05* spent catalysts containing phosphoric acid
- 16 08 06* spent liquids used as catalysts
- 16 09 oxidising substances**
- 16 09 01* permanganates, for example potassium permanganate
- 16 09 02* chromates, for example potassium chromate, potassium or sodium dichromate
- 16 09 04* oxidising substances, not otherwise specified
- 16 10 aqueous liquid wastes destined for off-installation 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 04 aqueous concentrates other than those mentioned in 16 10 03
- 18 WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (except kitchen and restaurant wastes not arising from immediate health care)**
- 18 01 wastes from natal care, diagnosis, treatment or prevention of disease in humans**
- 18 01 06* chemicals consisting of or containing dangerous substances
- 18 01 07 chemicals other than those mentioned in 18 01 06

- 19 WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-INSTALLATION WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE**
- 19 01 wastes from incineration or pyrolysis of waste**
- 19 01 06* aqueous liquid wastes from gas treatment and other aqueous liquid wastes
- 19 02 wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)**
- 19 02 03 premixed wastes composed only of non-hazardous wastes
- 19 02 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 06 wastes from anaerobic treatment of waste**
- 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
- 19 06 99 wastes not otherwise specified
- 19 07 landfill leachate**
- 19 07 02* landfill leachate containing dangerous substances
- 19 07 03 landfill leachate other than those mentioned in 19 07 02
- 19 08 wastes from waste water treatment plants not otherwise specified**
- 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 12 sludges from biological treatment of industrial waste water other than those mentioned in 19 08 11
- 19 08 14 sludges from other treatment of industrial waste water other than those mentioned in 19 08 13
- 19 08 99 wastes not otherwise specified
- 19 09 wastes from the preparation of water intended for human consumption or water for industrial use**
- 19 09 02 sludges from water clarification
- 19 09 03 sludges from decarbonation
- 19 11 wastes from oil regeneration**
- 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-Installation effluent treatment containing dangerous substances
- 19 11 06 sludges from on-Installation effluent treatment other than those mentioned in 19 11 05
- 19 11 07* wastes from flue-gas cleaning
- 19 11 99 wastes not otherwise specified

- 19 13 wastes from soil and groundwater remediation**
- 19 13 04 sludges from soil remediation other than those mentioned in 19 13 03
- 19 13 06 sludges from groundwater remediation other than those mentioned in 19 13 05
- 19 13 08 aqueous liquid wastes and aqueous concentrates from groundwater remediation other than those mentioned in 19 13 07
- 20 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS**
- 20 01 separately collected fractions (except 15 01)**
- 20 01 25 edible oil and fat
- 20 01 26* oil and fat other than those mentioned in 20 01 25
- 20 01 28 paint, inks, adhesives and resins other than those mentioned in 20 01 27
- 20 01 30 detergents other than those mentioned in 20 01 29
- 20 03 other municipal wastes**
- 20 03 02 waste from markets
- 20 03 03 street-cleaning residues
- 20 03 04 septic tank sludge
- 20 03 06 waste from sewage cleaning
- 20 03 99 municipal wastes not otherwise specified

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