

# **ODOUR MANAGEMENT PLAN**

C O'Donovan & Sons Ltd  
11 - 13 Ashfield Way  
Whitehall Industrial Estate  
Leeds  
LS12 5JB

Version 2.2 March 2026



**SJW Enviro Consulting Ltd**

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## **1 Introduction**

1.1.1 This Odour Management Plan outlines the methods by which C O'Donovan & Sons Ltd will systematically assess and minimise the potential impacts of odour generated by the companies' physio chemical treatment facility on Ashfield Way, Leeds. The Odour Management Plan is a working document with the specific aim of ensuring that:

- Odour impact is considered as part of routine inspections
- Odour is primarily controlled at source by good operational practices, including physical and management control measures
- All appropriate measures are taken to prevent or, where that is not reasonably practicable, to reduce odour emissions from the waste process at nearby receptors.

1.1.2 This Odour Management Plan addresses the impact of odour and the control measures employed to mitigate the risk. These are supported through monitoring procedures to identify both elevated levels and review complaints should they arise. The complaints management procedure including the management responsibilities are also addressed.

1.1.3 The methodologies presented in this management plan take full account of Environment Agency guidance documentation.

## **2 Site Operations**

### **2.1 General**

2.1.1 Sources of odour generated at the site are limited to the following activities, the bulk of which will take place entirely within the building:

- Unloading of waste at the site
- Washing and cleaning of drums, IBC's and other containers
- Storage of waste in the buildings prior to treatment
- Loading of waste and recyclable materials for transport off site
- Storage of processed material awaiting transport off site

2.1.2 All waste treatment and transfer will take place entirely within the buildings.

2.1.3 Drums, IBC's and containers may contain small amounts of residues of their former contents which may have a potential to be odour forming.

2.1.4 The cleaning of the containers involves power washing and steam cleaning to ensure that the containers are in pristine condition to be returned for future use. Broken or compromised containers are scrapped on site.

- 2.1.5 Once generated into the atmosphere, the pathway for odour will be air transport. Sensitive receptors will include other industrial and commercial properties on the Whitehall Industrial Estate.
- 2.1.7 All potential odour sources are located within the buildings on site. Currently no unwashed material is stored in the rear yard. Washed IBC's and drums awaiting removal from site may be stored outside. These waste streams are not expected to be odour forming. There is also a rapid turn-around of these waste streams to further mitigate against the possibility of odour creation.
- 2.1.8 The nature of the materials accepted at this site and the speed with which the material is processed are unlikely to give rise to excessive odours.

## **2.2 Waste Types and Quantities**

- 2.2.1 The site is permitted to accept a wide variety of waste types from commercial and industrial sources.

A list of waste types permitted is given in Appendix 4 of this document.

The height of stockpiles of material at the site is kept to a minimum wherever possible and there is a rapid turn-around of material on site. When the waste arriving on site has been sorted it is stored in discrete piles and there is significant separation between each waste type.

Waste is stored in its largest form and waste pile sizes are kept to a minimum where possible.

The largest waste pile size is the IBC's awaiting washing. At its maximum extent this stockpile will be 12 metres long, 3 metres wide and 3 metres high. A total of 108 cubic metres.

Other maximum waste pile sizes for flammable material:

- Oil – 20 cubic metres (5m x 4m x 1m) in 45 gallon drums
- Fuel – 20 cubic metres (5m x 4m x 1m) in 45 gallon drums
- Plastic waste – 40 cubic metres (5m x 4m x 2m) in sealed bags
- Scrap metal – 20 cubic metres (5m x 4m x 1m) in a skip

## **2.3 Waste Collection and Deposit**

- 2.3.1 All wastes come from a variety of sources and are delivered predominantly by vehicles under the control of the permit holders. Much of this is drums, IBC's and containers for refurbishment from commercial and industrial premises from around the country.
- 2.3.2 Pre-acceptance criteria are in place for all wastes brought to site. No odorous wastes will be accepted. For waste brought to site by C O'Donovan & Sons vehicles the

driver will check the material prior to loading onto the vehicle. If, in their opinion, the waste is liable to cause odour issues at the site it will not be loaded.

- 2.3.3 For wastes brought to site by other contractors they will be informed of the requirements concerning odorous material before arrival. On arrival at site the load is checked before it is accepted. Odorous wastes will be rejected at this stage.
- 2.3.4 On arrival at the site the driver will report to the site manager or supervisor. The load will be visually inspected to ensure that the composition of the waste complies with the documentation and that it is in a satisfactory condition.
- 2.3.5 Operators arriving at site without a valid waste carriers registration will not be allowed to deposit waste.
- 2.3.6 If unsuitable waste is discovered before deposit the load will not be unloaded and will be rejected by the operator and returned to the producer. In cases where the unauthorised waste is likely to lead to a breach of permit conditions or where the rejected waste is thought to be hazardous the Environment Agency will be contacted.
- 2.3.7 Loads are inspected when they are deposited to ensure that they comply with the terms of the site permit.
- 2.3.8 All staff who work on the site shall be made aware of the acceptable categories of waste allowed to be deposited, they are also instructed to check for odours from deposited waste. Site staff shall be responsible for inspecting each load. To ensure compliance with this, periodic spot checks shall be made by the site manager.
- 2.3.9 Should odorous waste be deposited within a load delivered to site by a vehicle outside the ownership of C O'Donovan & Sons Ltd then, assuming that the vehicle has not left the site prior to the odorous materials discovery, the material will be re-loaded into the vehicle and the driver shall be asked to leave the site.

## **2.4 Waste Storage**

- 2.4.1 Waste is stored in piles mainly within Unit 12. All storage is on concrete surfacing.
- 2.4.2 The company operate a first in first processed policy whereby the containers that has been on site the longest are the first to be dealt with. In order to achieve this waste in the buildings is rotated daily.
- 2.4.3 Waste material arriving on site is sorted and processed very quickly. The aim is to deal with all waste material within a three-day period and it is unlikely that any waste will remain on site for more than one week.
- 2.4.4 The plan in Appendix 1 shows the location of the various storage areas on site.

### 3. Source, Pathway and Receptors

#### 3.1 Sources of Odours

3.1.1 There are several potential sources of odour within the waste codes listed in Appendix 4. The potential sources of odour from the facility are characterised and presented in the table below.

3.1.2 At present the site does not accept residual material for processing but may do at some point in the future. At that point this and other management plans will be updated accordingly. The table below includes all residual waste material that the site is permitted to accept.

#### Potential sources of odour on site

Source description (waste stream)	Odorous material	Intensity at or near release point (0 not detected, 6 extremely strong)	Odour control measures	Potential for problems
Rags and cleaning cloths	Rags and cloth contaminated with odorous materials	1	<p>Odorous loads are discouraged and would be rejected upon receipt.</p> <p>Waste pre-acceptance procedures and acceptance procedures on receipt of waste should identify any problems.</p> <p>Waste handling, segregation, treatment and storage takes place in a building.</p> <p>Vigilance of site staff</p> <p>Site is subject to daily inspection by the Site Manager/TCM</p> <p>Lids placed on containers holding potentially odorous materials</p>	<p>Contaminated rags and cleaning cloths not placed within bags or sealed containers</p> <p>Spillage from containers</p> <p>Inappropriate handling of materials</p> <p>Break down in waste acceptance procedures</p>
Oil filters	N/A	0	Not applicable, this material will not cause odour	None
Plastic	N/A	0	Not applicable, this material will not cause odour	None
Oil	N/A	0	Not applicable, this material will not cause odour	None
Gases in pressurised containers	Leaking gases	2	Waste pre-acceptance procedures and acceptance procedures on receipt of waste should identify any problems.	<p>Punctures pressurised container leaking gas</p> <p>Break down in waste handling or waste acceptance procedures</p>

			Waste handling, segregation, treatment and storage takes place in a building.  Vigilance of site staff  Site is subject to daily inspection by the Site Manager/TCM	
Containers awaiting washing	Chemical residues  Organic residues	3	Odorous loads are discouraged and would be rejected upon receipt.  Containers with excessive residue are rejected upon arrival at site  Waste pre-acceptance procedures and acceptance procedures on receipt of waste should identify any problems.  Vigilance of site staff  Maximum storage times  Site is subject to daily inspection by the Site Manager/TCM.	Containers with bungs or lids removed prior to washing  Accidental puncturing of containers  Break down in waste handling or waste acceptance procedures  Poor stacking of containers resulting in failure of stack
WEEE	N/A	0	Not applicable, this material will not cause odour	None
Scrap metal	N/A	0	Not applicable, this material will not cause odour	None
Fuel storage	Hydrocarbons	2	Fuel tank is a double skinned tank  Vigilance of site staff  Site is subject to daily inspection by the Site Manager/TCM	Fuel tank punctured.  Break down in waste handling or waste acceptance procedures  Spillages of fuel.

3.1.3 When collecting containers from customers drivers are very vigilant in ensuring they are empty. All but a very small percentage of containers that arrive at the site are empty. The very few that do have some residues are decanted into IBC's which immediately upon completion have their lid replaced.

3.1.4 Plastic drums to be scrapped are washed before being shredded, re-washed and dried before being placed into large bags which are sealed when full.

3.1.5 Any biodegradable waste stream could become odour forming if left on site for long periods of time. This is mitigated against by accurate and detailed record keeping and stock control.

## 3.2 Pathways

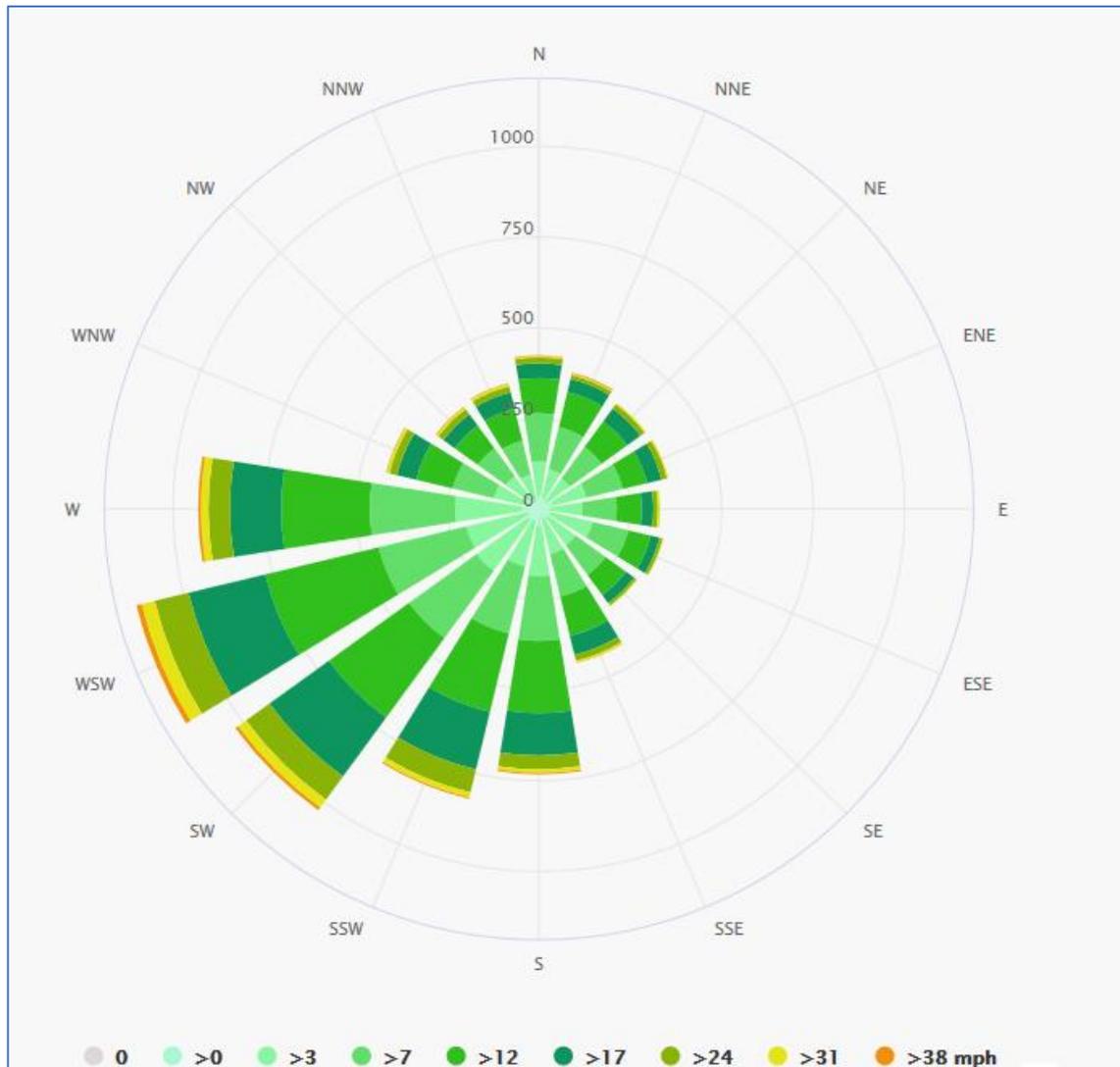
- 3.2.1 Odours emitted from the sources identified are released to air as only fugitive emissions (as there are no emission point sources). These emissions are then dispersed in the atmosphere where they have the potential to be conveyed to nearby receptors. The dispersion is predominantly controlled by meteorological conditions such as wind speed, wind direction, atmospheric turbulence and other atmospheric conditions. Local topography can also be of influence. All these factors will determine whether odour is detectable downwind of the source depending on the intensity and character of odour releases.
- 3.2.2 Odour pathways cannot be mitigated against nor manipulated to reduce the risk of an odour effect. However, past meteorological data can be analysed in order to predict the likely areas where a risk or odour annoyance may be prevalent.
- 3.2.3 An assessment of local meteorological data from Leeds weather station shows that the prevailing wind directions are from the west southwest and southwest. The wind rose in 3.3.1 below clearly indicates this.

## 3.3 Receptors

- 3.3.1 Within 1 km of the site the following key receptors are located:

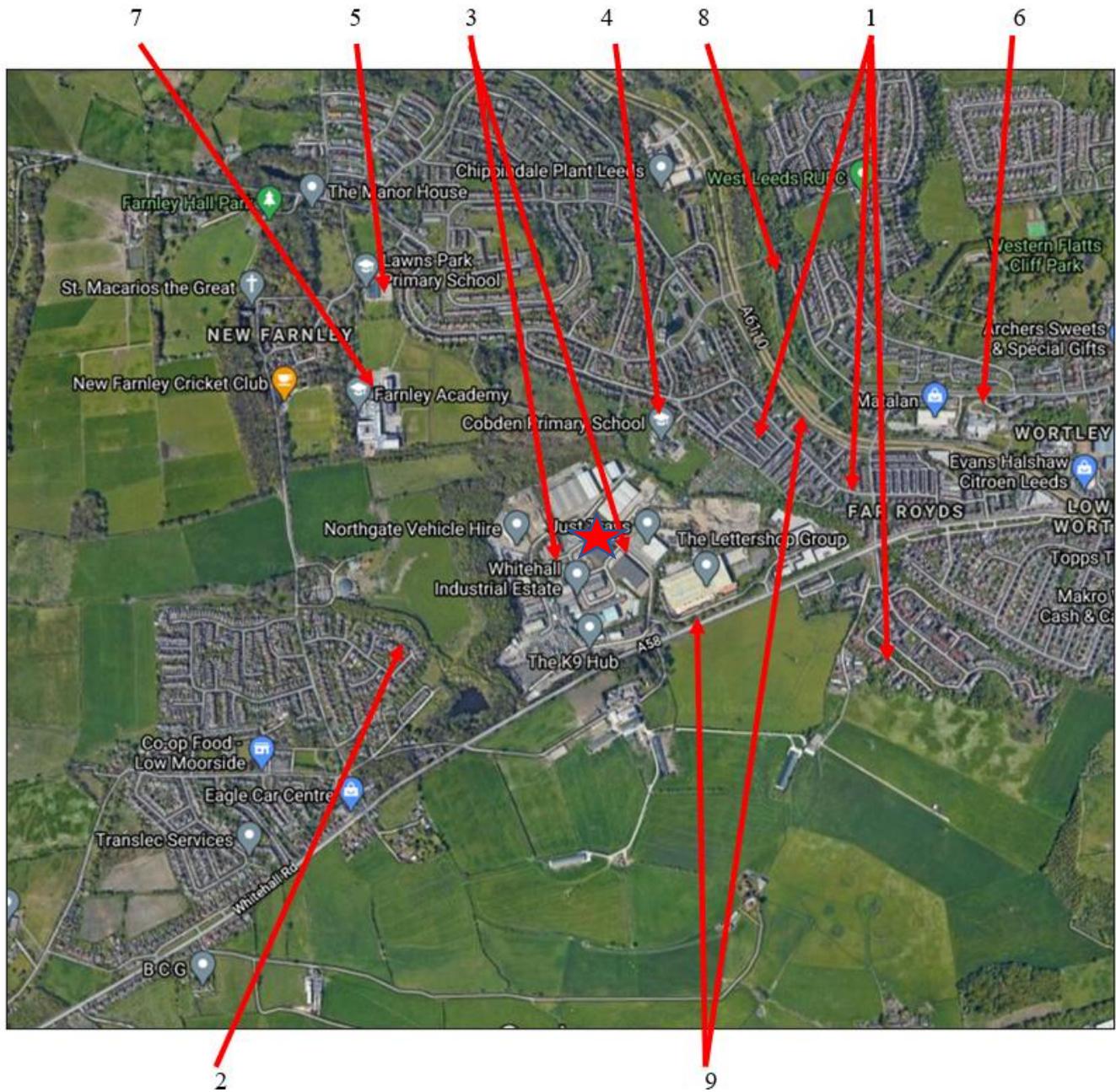
- Residential property located 340 metres to the East, South East and North East of the site;
- Residential property located 470 metres to the West and South West of the site;
- Industrial, commercial and office developments located adjacent to the site on all sides;
- Cobden Primary School located 260 metres to the North East of the site;
- Lawns Park Primary School located 765 metres to the North West of the site;
- Lower Wortley Primary School located 880 metres to the East North East of the site;
- Farnley Academy located 560 metres to the North West of the site;
- Wortley Beck located 590 metres to the North East of the site;
- There are a large number of roads surrounding the site including the A58 Whitehall Road located 235 metres to the South and South East of the site and the A6110 Leeds Outer ring Road located 610 metres to the East of the site;

These local receptors would be impacted by odour emissions from the site, however, the prevailing wind direction is south westerly and west south westerly thus reducing the likelihood of impact of air emissions on those receptors located to the south and west of the site as shown by the wind rose for Leeds below.



The plan below shows the location of these sensitive receptors in relation to the site, the location of which is indicated by the red star. The numbers on the plan correspond to the following receptors:

1. Residential property located 340 metres to the East, South East and North East of the site;
2. Residential property located 470 metres to the West and South West of the site;
3. Industrial, commercial and office developments located adjacent to the site on all sides;
4. Cobden Primary School located 260 metres to the North East of the site;
5. Lawns Park Primary School located 765 metres to the North West of the site;
6. Lower Wortley Primary School located 880 metres to the East North East of the site;
7. Farnley Academy located 560 metres to the North West of the site;
8. Wortley Beck located 590 metres to the North East of the site;
9. There are a large number of roads surrounding the site including the A58 Whitehall Road located 235 metres to the South and South East of the site and the A6110 Leeds Outer ring Road located 610 metres to the East of the site;



## 4 Odour Control Measures

### 4.1 General

4.1.1 Physical and management measures have been included to control odour at the site. These are discussed below separately.

### 4.2 Site Management Responsibilities

4.2.1 The Technically Competent Manager (TCM) or designated responsible person will have responsibility for ensuring that nuisance and hazards arising from the facility due

to odour is minimised. Regular meetings will be instigated to discuss current and planned site operations that have the potential to generate odorous emissions.

### **4.3 Physical Control Measures**

- 4.3.1 A range of physical control measures will be implemented at the site. These control measures are as follows.
- 4.3.2 The buildings have roller shutter doors which will be closed when the site is quiet and outside operating hours. See roller shutter doors section in 4.5 below.
- 4.3.3 All waste processing will take place within the building.
- 4.3.4 All incoming waste will be deposited within the waste reception building, Unit 12.
- 4.3.5 No waste will be kept on site for longer than three days prior to processing and all recycled material will leave the site within seven days. Daily turning of waste piles ensures that the first in first processed principle is maintained and the amount of time material spends on site is minimised.
- 4.3.6 All internal and external site surfaces will be inspected daily when the site is in operation. Debris will be swept as required and placed in a skip for disposal.
- 4.3.7 Tracks and wheels on mobile plant are power washed a minimum of weekly. Should there be a build-up of material on any track or wheel then more frequent washing will be undertaken. Individual drivers are responsible for the cleanliness of their plant and daily checks are undertaken by site management to ensure that there is no build-up of waste that could become odorous.

### **4.4 Management Control Measures**

- 4.4.1 A comprehensive range of management control measures will be implemented at the site.
- 4.4.2 A comprehensive maintenance plan is in place. Site maintenance activities are performed in accordance with operating procedures. C O'Donovan & Sons Ltd understands the importance of routine preventative maintenance. In summary, the following provisions are implemented:
  - Plant maintenance schedules using the manufacturer's recommendations where vehicles are serviced after 500 hours of operation;
  - Pre-use checks are completed prior to using plant and equipment daily;
  - Defects are reported and plant and equipment is removed from operation until such time as the defect is rectified;
  - All plant and equipment is visually inspected by the operator at the end of the working day for the purposes of identifying fire risks;

- Throughout the day operators are vigilant in checking vulnerable areas like exhausts and engine bays;
- Specialists contractors are used to perform maintenance outside the scope and expertise of the site management and operatives;
- All plant and equipment undergoes a thorough examination by independent insurers every 6 months as a minimum.
- All documentation relating to plant and equipment maintenance is retained in the site office for inspection.

4.4.3 If at any time it is necessary to undertake temporary actions that are likely to cause elevated levels of odour, the TCM or designated responsible person will contact the Local Authority and the Environment Agency plus any other interested parties before such actions are taken to inform them of the operations being undertaken and that elevated levels of odour will be of a temporary nature. This contact will be by telephone and e-mail at least 24 hours prior to undertaking such actions. Where practicable such actions will only proceed when the prevailing wind direction is away from sensitive receptors.

4.4.4 There are contact details for the site on the noticeboard at the site entrance and emergency out of hours contact numbers. Local residents and businesses are encouraged to use these numbers should an issue arise. This is not restricted to odour but could be related to any issue with the operation of the site.

#### **4.5 Roller Shutter Doors**

4.5.1 Roller shutter doors are fitted to the main buildings. The roller shutter doors will be closed when the site is non-operational and during quiet operational periods.

4.5.2 The closing of the roller shutter doors during operational hours can only be authorised by site management, the TCM or site manager.

4.5.3 At all times when the site is operational at least one of the roller shutter doors will be partially closed to mitigate against potential noise, odour and dust pollution.

4.5.4 When the site is quiet consideration will be given to fully closing one or more of the roller shutter doors or partially closing more than the one which remain partially closed throughout the working day.

4.5.5 In the event of a substantiated complaint of elevated levels of odour beyond the boundaries of the site the roller shutter doors will be closed and an investigation instigated by the TCM or site manager to locate the source of the odour. This includes investigating other potential sources outside the building and beyond the permitted area of the site. A substantiated report is one which comes either from the Environment Agency, Local Authority or via the site managers daily checks.

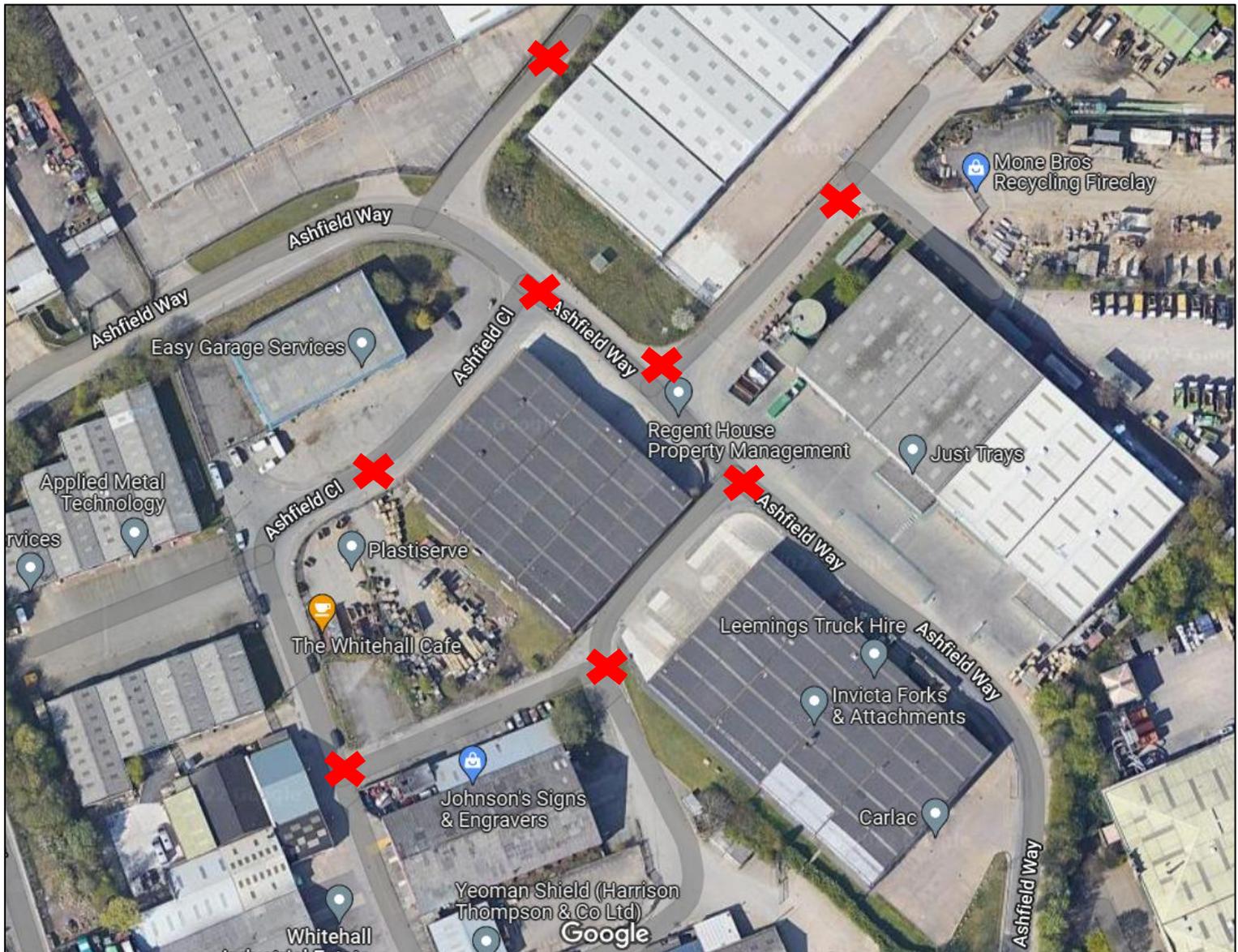
- 4.5.6 Should the source of odour be identified as coming from within the building the roller shutter doors will remain closed until such time as the elevated odour levels have been rectified.
- 4.5.7 Roller shutter doors will only be opened once a perimeter check has been undertaken by the TCM or yard manager and they have determined that there is no longer a threat to the amenity from odour from the building.

## **5. Emissions Monitoring**

### **5.1 General**

- 5.1.1 Weather conditions, including wind speed and direction, will be visually assessed at regular intervals. This will enable potential odour issues to be predicted and necessary remedial actions implemented.
- 5.1.2 All operational staff will be responsible for reporting any odour problems immediately to the TCM or designated responsible person.
- 5.1.3 No quantitative routine odour monitoring is proposed for this site, however, qualitative monitoring of odour levels will be undertaken daily by the site manager or technically competent manager. The location of odour monitoring points are shown in the plan below.
- 5.1.4 Should potential odours be identified by members of site staff and reported to the site manager or technically competent manager during the working day then additional monitoring will be undertaken at the points detailed below.
- 5.1.5 Odour monitoring takes the form of sniff testing with the responsible person remaining at the monitoring point for 2 minutes in order to try and identify any odours emanating from the site.

## Odour monitoring points



5.1.6 After two minutes the responsible person will classify odour on a scale of 1 to 6 based on the following criteria:

1. No odour detected
2. Very weak intermittent odour
3. Weak intermittent odour
4. Strong intermittent odour
5. Continuous odour
6. Intolerable continuous odour

Results are recorded on a reporting form which is retained in the site office for inspection as required.

- 5.1.7 The odour monitoring will not be undertaken by any member of staff who is likely to have their sense of smell impaired by illness or who has been in the waste processing buildings within the previous 60 minutes prior to the odour assessment.
- 5.1.8 Should levels of odour be classified as 3 or above on the scale in 5.1.6 then the TCM or designated responsible person will initiate the mitigation measures identified in Section 6 of this plan immediately.
- 5.1.9 All staff will undertake a training programme on odour assessment and have annual refresher training. All staff have a responsibility to ensure that odorous material is not deposited on site or is dealt with immediately upon identification.

## **Odour Contingency Measures**

### **6.1 Introduction**

- 6.1.1 Elevated odour levels may be identified either by receipt of an odour complaint from a third party suggesting that there is excessive odour from the site or by detection of odour as a result of the routine monitoring by site personnel.
- 6.1.2 This section details the contingency measures in place to identify the source of elevated odour levels, bring odour levels back under control and minimise their impact.

### **6.2 Odour Complaint Investigation**

- 6.2.1 A site diary, plus forms to record complaints, will be completed by the TCM or designated responsible person.
- 6.2.2 As part of this Odour Management Plan a customer care and complaints procedure will be implemented. The customer care and complaints procedure applies to all complaints, feedback and requests made by third parties regarding the companies operational activities, environmental and health and safety performance.
- 6.2.3 All complaints from third parties including external customers, potential customers, statutory authorities, statutory consultees, members of the general public and internal clients will be forwarded to the TCM or designated responsible person for an immediate response as detailed in 6.2.4 below.
- 6.2.4 The TCM or designated responsible person will ensure that:
- The complaint is investigated to identify the cause, if necessary, this may involve direct communication with the complainant
  - In the event of elevated levels of odour being detected, the presence of 'abnormal' onsite activity is assessed and if necessary preventative action is taken that will prevent a reoccurrence of the same problem. These actions must be documented.

- The complainant will be contacted and given information on the investigations conducted and actions taken as appropriate.
- All complaints are reported to site management and discussed at site meetings
- Details of complaints are sent to site staff as appropriate and additional training organised if required.
- Details of all complaint investigations, even those which, on investigation, have been found to not be justified will be forwarded to the Local Authority and the Environment Agency within 24 hours of the completion of the investigation.

### **6.3 Elevated Odour Levels**

- 6.3.1 Any elevated odour levels identified by the monitoring detailed in Section 5, the customer care and complaints procedure identified in Section 6.2 or directly from site staff will be mitigated as follows:

The TCM or designated responsible person will investigate the source of the odour and carry out an odour assessment using the guidelines set out in 5.1.6 above at the identified source of the elevated levels if it is found to be originating from within the site. As part of these checks the TCM or designated responsible person will consider the need for quantitative monitoring.

- 6.3.2 To further mitigate the elevated odour levels, the following actions will be undertaken;

- The site will temporarily restrict the waste types accepted to see if the odour issue continues.
- The site will reduce the throughput or temporarily halt waste processing. In addition to this the feed rate will be reduced.
- The TCM or designated responsible person will temporarily divert waste to other facilities within the companies ownership.
- Any waste pile found to be generating elevated odour levels will be removed from site immediately.
- Site staff will be instructed to jet wash the area where the offensive material had been stored.
- Once the actions identified by the TCM or designated responsible person have been completed, the manager will commission a further set of monitoring to ensure that the actions have met the required standards. If the odour levels are still not being met then the manager will repeat the request for improvements and subsequent monitoring until the limits are being met.

- 6.3.3 If operation failings are identified, the retraining of employees will take place to ensure that all employees operate to required standards. If the failings are identified as part of the operating techniques, then the problem will be raised as part of the review of control measures detailed in Section 7

6.3.4 The TCM or designated responsible person will ensure close liaison with the Local Authority and the Environment Agency throughout the stages of the process following an identified elevated odour level.

## **6.4 Reporting Measures**

6.4.1 Upon notification of an environmental incident the TCM or designated responsible person will complete an incident reporting form. The completed form is then distributed throughout the organisation for review at management meetings.

6.4.2 All performance failures will be categorised as following:

- Minor Event: quick fix possible, locally resolved
- Medium Event: brief disruption to service, management intervention required
- Major Event: significant disruption to service, significant management intervention

6.4.3 Each non-conformance category will have a deadline for rectification

6.4.4 The TCM or designated responsible person will investigate the performance failure event and will report the event to the Environment Agency.

## **7 Emergency Plans**

### **7.1 General**

7.1.1 This section considers the potential for accidents or incidents which would result in the loss of control of odour emissions and could have an unacceptable short-term impact on the local community.

7.1.2 The measures in place to mitigate any emergency situations will be the same as the contingency measures identified in Section 6.3

7.1.3 If the situation is considered to be an emergency by the TCM or designated responsible person then the mitigation measures will be immediately implemented and the manager will consider limiting the hours of operation or immediately suspending the site operations creating the unacceptable odour levels. These measures will be considered on a case by case basis.

### **7.2 Breakdown of Equipment and Plant**

7.2.1 The breakdown of the waste processing equipment may cause elevated levels of odour to be created due to the build-up of waste. Every effort is made to ensure the efficient running of all plant and equipment. The measures in place are outlined above in 4.4.2.

7.2.2 In the event of equipment failure the mitigation measures to be undertaken are the same as the contingency mitigation measures detailed in section 6.3

## **8. Management Responsibilities and Review**

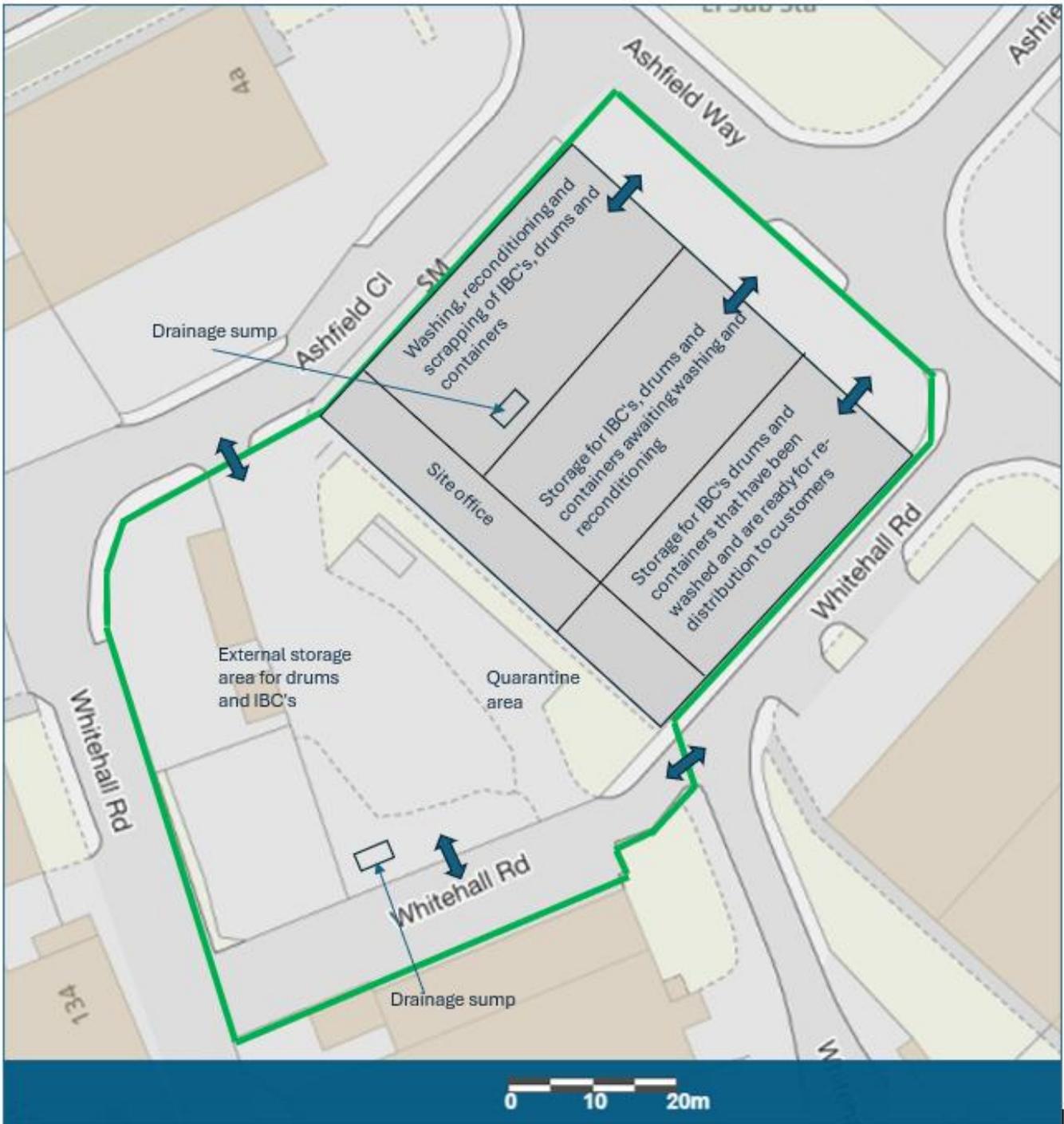
### **8.1 Review of Odour Control Measures**

- 8.1.1 The TCM will periodically review operations in relation to odour matters together with any complaints, Environment Agency inspection reports and monitoring results. The results of the review shall be used to assess the need for changes to the Odour Management Plan including amending site procedures and further monitoring work if necessary.
- 8.1.2 Notwithstanding the above, the Odour Management Plan will be reviewed annually by the TCM or otherwise in response to a request from the Environment Agency, changed circumstances such as the operation of new processing plant or substantial odour complaint. Any amendments to this document will be forwarded to the Local Authority and the Environment Agency.

# **ODOUR MANAGEMENT PLAN**

## **APPENDIX 1**

Site Layout Plan



**ODOUR MANAGEMENT PLAN**

**APPENDIX 2**

Housekeeping Form

# C.O'DONOVAN & SONS LIMITED

## Site Managers daily checklist

Name .....

Date .....

Time .....

Have any incidents or potential problems relating to fire prevention, dust, odour and noise management been reported on site during the previous 24 hours?	Yes	No
Details and remediation undertaken:		

Have any incidents or potential problems relating to fire prevention, dust, odour and noise management occurred during the previous 24 hours which would require reporting to the Environment Agency, Leeds City Council or the emergency services?	Yes	No
Details of report and persons reported to (including name and contact number):		

Do any of the prevention or management plans associated with the waste permit require updating	Yes	No
Details:		

## Inspection of building and waste piles.

Waste Pile / Building	Signs of fire, heat, steam, vapour, dust, noise, odour or any other anomalies (Tick box)		If Yes, remedial action undertaken
	Yes	No	
Drum washing area			
Drum, IBC and container storage area			
Loading and off-loading area at the front of the building			
Rear yard			

## Fire Extinguishers

	Yes	No
Are fire extinguishers appropriate for the materials in the areas where they are mounted?		
Are extinguishers free from obstruction or blockage?		
Are all extinguishers fully charged and in their designated places?		

Action required:
------------------

## Site staffing

	Yes	No
Is the yard manager on site and if not has a deputy been appointed who is aware of the obligations under the fire prevention plan, and odour management plans?		
Are all site staff trained in the use of fire extinguishers and undertaken refresher courses as necessary?		
Are all staff aware of the contents of these plans and their role if issues are detected?		

Action required:
------------------

### Site infrastructure

	Yes	No
Are all signs relating to flammable liquids and no smoking visible and legible?		
Are there any obstructions which could prohibit emergency service access?		
Are exits from all buildings clear, adequately signed, illuminated and free from obstruction?		
Has there been any changes on site to plant, equipment, infrastructure or working practices that would require modification to the plans?		
Have all surfaces within the building been swept clean of dust and litter within the past 24 hours?		

Action required:

### Off-site checks

	Yes	No
Have all monitoring points been assessed for odour?		
Are there any obstructions which could prohibit monitoring at any of the check points?		
Was there any evidence of odour detected at any of the monitoring points?		
Is Ashfield Way free of debris which could have originated on site?		

Action required:

Additional comments and remedial action

Signed ..... Time .....

**ODOUR MANAGEMENT PLAN**

**APPENDIX 3**

Complaint Form

<b>Customer Details</b>	
<b>Customer Name -</b>	
<b>Address -</b>	
<b>Postcode -</b>	
<b>Customer Contact Details -</b>	
<b>Tel -</b>	
<b>Email -</b>	
<b>Date -</b>	
<b>Complaint Ref Number -</b>	
<b>Complaint Details -</b>	
<b>Investigation Details</b>	
<b>Investigation carried out by -</b>	
<b>Position -</b>	
<b>Date &amp; time investigation carried out -</b>	
<b>Weather conditions -</b>	
<b>Wind direction and speed -</b>	
<b>Investigation findings -</b>	
<b>Feedback given to Environment Agency and/or local authority -</b>	
<b>Date feedback given -</b>	
<b>Feedback given to public -</b>	
<b>Date feedback given -</b>	
<b>Review and Improve</b>	
<b>Improvements needed to prevent a reoccurrence -</b>	
<b>Proposed date for completion of the improvements -</b>	
<b>Actual date for completion -</b>	
<b>If different insert reason for delay -</b>	
<b>Does the odour management plan need to be updated -</b>	
<b>Date that the odour management plan was updated -</b>	
<b>Closure</b>	
<b>Site manager review date</b>	
<b>Site manager signature to confirm no further action required</b>	

**ODOUR MANAGEMENT PLAN**

**APPENDIX 4**

Acceptable waste types

## **01 WASTES RESULTING FROM EXPLORATION, MINING, QUARRYING AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS**

### **01 03 wastes from physical and chemical processing of metalliferous metals**

- 01 03 04\* acid-generating tailings from processing sulphide ore
- 01 03 05\* other tailings containing hazardous substances
- 01 03 06 tailings other than those mentioned in 01 03 04 and 01 03 05
- 01 03 07\* other wastes containing hazardous 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 wastes mentioned in 01 03 07

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

- 01 04 07\* wastes containing hazardous 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 hazardous substances
- 01 05 07 barite-containing drilling muds and wastes other than those mentioned in 01 05 05
- 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 PREPERATION 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 07 wastes from forestry
- 02 01 08\* agrochemical wastes containing hazardous substances
- 02 01 09 agrochemical waste other than those mentioned in 02 01 08
- 02 01 10 waste metal

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

- 02 02 01 sludges from washing and cleaning
- 02 02 03 material unsuitable for consumption or processing
- 02 02 04 sludges from on-site effluent treatment

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

- 02 03 01 sludges from washing, cleaning, peeling, centrifuging and separation
- 02 03 02 wastes from preserving agents
- 02 03 03 wastes from solvent extraction
- 02 03 04 material unsuitable for consumption or processing
- 02 03 05 sludges from on-site effluent treatment

**02 04 wastes from sugar processing**

- 02 04 01 soil from cleaning and washing beat
- 02 04 02 off-specification calcium carbonate
- 02 04 03 sludges from on-site effluent treatment

**02 05 wastes from the dairy products industry**

- 02 05 01 materials unsuitable for consumption or processing
- 02 05 02 sludges from on-site effluent treatment

**02 06 wastes from the baking and confectionary industry**

- 02 06 01 material unsuitable for consumption or processing
- 02 06 02 wastes from preserving agents
- 02 06 03 sludges from on-site effluent treatment

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

- 02 07 01 wastes from washing, cleaning and mechanical reduction of raw materials
- 02 07 02 wastes from spirits distillation
- 02 07 03 wastes from chemical treatment
- 02 07 04 materials unsuitable for consumption or processing
- 02 07 05 sludges from on-site effluent treatment

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

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

- 03 01 01 waste bark and cork
- 03 01 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

**03 02 wastes from wood preservation**

- 03 02 01\* non-halogenated organic wood preservatives
- 03 02 02\* organochlorinated wood preservatives
- 03 02 03\* organometallic wood preservatives
- 03 02 04\* inorganic wood preservatives
- 03 02 05\* other wood preservatives containing hazardous substances

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

03 03 01 waste bark and wood

03 03 02 green liquor sludge (from recovery of cooking liquor)

03 03 05 de-inking sludges from paper recycling

03 03 07 mechanically separated rejects from pulping of wastepaper and cardboard

03 03 08 wastes from sorting of paper and cardboard destined for recycling

03 03 09 lime mud waste

03 03 10 fibre rejects, fibre, filler and coating-sludges from mechanical separation

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

### **04 WASTES FROM THE LEATHER, FUR AND TEXTILE INDUSTRY**

#### **04 01 wastes from the leather and fur industry**

04 01 01 fleshings and lime split wastes

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

#### **04 02 wastes from the textile industry**

04 02 09 wastes from composite materials (impregnated textile, elastomer, plastomer)

04 02 10 organic matter from natural products (for example grease, wax)

04 02 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 hazardous substances

04 02 17 dyestuffs and pigment other than those mentioned in 04 02 16

04 02 19\* sludges from on-site effluent treatment containing hazardous 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

### **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 07\* acid tars

05 01 08\* other tars

05 01 09\* sludges from on-site effluent treatment containing hazardous substances

05 01 10 sludges from on-site effluent treatment other than those mentioned in 05 01 09

05 01 11\* wastes from cleaning of fuels with bases  
05 01 12\* oil containing acids  
05 01 13 boiler feedwater sludges  
05 01 14 wastes from cooling columns  
05 01 15\* spent filter clays  
05 01 16 sulphur-containing wastes from petroleum desulphurisation  
05 01 17 bitumen

**05 06 wastes from the pyrolytic treatment of coal**

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

**05 07 wastes from natural gas purification and transportation**

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

**06 WASTES FROM INORGANIC CHEMICAL PROCESSES**

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

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

**06 02 wastes from the manufacture, formulation, supply and use (MFSU) of bases**

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

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

06 03 11\* solid salts and solutions containing cyanides  
06 03 13\* solid salts and solutions containing heavy metals  
06 03 14 solid salts and 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

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

06 04 03\* wastes containing arsenic  
06 04 04\* wastes containing mercury  
06 04 05\* wastes containing other heavy metals

**06 05 sludges from on-site effluent treatment**

06 05 02\* sludges from on-site effluent treatment containing hazardous substances  
06 05 03 sludges from on-site effluent treatment other than those mentioned in 06 05 02

**06 06 wastes from the MFSU of sulphur chemicals, sulphur chemical processes and desulphurisation processes**

06 06 02\* wastes containing hazardous sulphides

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

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

06 07 01\* wastes containing asbestos from electrolysis

06 07 02\* activated carbon from chlorine production

06 07 03\* barium sulphate sludge containing mercury

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

**06 08 wastes from the MFSU of silicon and silicon derivatives**

06 08 02\* wastes containing hazardous chlorosilanes

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

06 09 02 phosphorous slag

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

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

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

06 10 02\* wastes containing hazardous substances

**06 11 wastes from the manufacture of inorganic pigments and opacifiers**

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

**06 13 wastes from inorganic chemical processes not otherwise specified**

06 13 01\* inorganic plant protection products, wood preserving agents and other biocides

06 13 02\* spent activated carbon (except 06 07 02)

06 13 03 carbon black

06 13 04\* wastes from asbestos processing

06 13 05\* soot

**07 WASTES FROM ORGANIC CHEMICAL PROCESSES**

**07 01 wastes from the MFSU of basic organic chemicals**

07 01 01\* aqueous washing liquids and mother liquids

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 hazardous 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 hazardous 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 hazardous substances  
07 02 15 wastes from additives other than those mentioned in 07 02 14  
07 02 16\* wastes containing hazardous silicones  
07 02 17 wastes containing silicones

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

07 03 01\* aqueous washing liquids and mother liquors  
07 03 03\* organic halogenated solvents, washing liquids and mother liquors  
07 03 04\* other organic solvents, washing liquids and mother liquors  
07 03 07\* halogenated still bottoms and reaction residues  
07 03 08\* other still bottoms and reaction residues  
07 03 09\* halogenated filter cakes and spent absorbents  
07 03 10\* other filter cakes and spent absorbents  
07 03 11\* sludges from on-site effluent treatment containing hazardous 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  
07 04 11\* sludges from on-site effluent treatment containing hazardous substances  
07 04 12 sludges from on-site effluent treatment other than those mentioned in 07 04 11  
07 04 13\* solid wastes containing hazardous substances

**07 05 wastes from the MFSU of pharmaceuticals**

07 05 01\* aqueous washing liquids and mother liquors  
07 05 03\* organic halogenated solvents, washing liquids and mother liquors  
07 05 04\* other organic solvents, washing liquids and mother liquors  
07 05 07\* halogenated still bottoms and reaction residues  
07 05 08\* other still bottoms and reaction residues  
07 05 09\* halogenated filter cakes and spent absorbents  
07 05 10\* other filter cakes and spent absorbents  
07 05 11\* sludges from on-site effluent treatment containing hazardous substances  
07 05 12 sludges from on-site effluent treatment other than those mentioned in 07 05 11

07 05 13\* solid wastes containing hazardous substances  
07 05 14 solid wastes other than those mentioned in 07 05 13

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

07 06 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 hazardous substances  
07 06 12 sludges from on-site effluent treatment other than those mentioned in 07 06 11

**07 07 wastes from the MFSU of fine chemicals and chemical products not otherwise specified**

07 07 01\* aqueous washing liquids and mother liquors  
07 07 03\* organic halogenated solvents, washing liquids and mother liquors  
07 07 04\* other organic solvents, washing liquids and mother liquors  
07 07 07\* halogenated still bottoms and reaction residues  
07 07 08\* other still bottoms and reaction residues  
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 hazardous substances  
07 07 12 sludges from on-site effluent treatment other than those mentioned in 07 07 11

**08 WASTE FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS) ADHESIVES, SEALANTS AND PRINTING INKS**

**08 01 wastes from MFSU and removal of paint and varnish**

08 01 11\* waste paint and varnish containing organic solvents or other dangerous substances  
08 01 12 waste paint and varnish other than those mentioned in 08 01 11  
08 01 13\* sludges from paint or varnish containing organic substances or 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 hazardous 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 hazardous substances  
08 01 18 wastes from paint or varnish removal other than those mentioned in 18 01 17  
08 01 19\* aqueous suspensions containing paint or varnish containing organic solvents or other hazardous 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

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

08 02 01 waste coating powders  
08 02 02 aqueous sludges containing ceramic materials  
08 02 03 aqueous suspensions containing ceramic materials

**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 12\* waste ink containing hazardous substances
- 08 03 13 waste ink other than those mentioned in 08 03 12
- 08 03 14\* ink sludges containing hazardous 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 hazardous substances
- 08 03 18 waste printer toner other than those mentioned in 08 03 17
- 08 03 19\* disperse oil

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

- 08 04 09\* waste adhesives and sealants containing organic solvents or other hazardous substances
- 08 04 10 waste adhesives and solvents other than those mentioned in 08 04 09
- 08 04 11\* adhesive and sealant sludges containing organic solvents or other hazardous substances
- 08 04 12 adhesive and sealant sludge other than those mentioned in 08 04 11
- 08 04 13\* aqueous sludges containing adhesives or sealants containing organic solvents or other hazardous 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 hazardous substances
- 08 04 16 aqueous liquid waste containing adhesives or sealants other than those mentioned in 08 04 15
- 08 04 17\* rosin oil

**08 05 wastes not otherwise specified in 08**

- 08 05 01\* waste isocyanates

**09 WASTES FROM THE PHOTOGRAPHIC INDUSTRY****09 01 wastes from the photographic industry**

- 09 01 01\* water-based developer and activator solutions
- 09 01 02\* water-based offset plate developer solutions
- 09 01 03\* solvent-based developer solutions
- 09 01 04\* 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

## **10 WASTES FROM THERMAL PROCESSES**

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

- 10 01 01 bottom ash, slag and boiler dust (excluding boiler dust mentioned in 10 01 04)
- 10 01 02 coal fly ash
- 10 01 03 fly ash from peat and untreated wood
- 10 01 04\* oily 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 hazardous 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 hazardous 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 hazardous 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 hazardous 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 hazardous substances
- 10 01 23 aqueous sludges from boiler cleansing other than those mentioned in 01 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 treatments

### **10 02 Wastes from the iron and steel industry**

- 10 02 01 wastes from the processing of slag
- 10 02 02 unprocessed slag
- 10 02 07\* solid wastes from gas treatment containing hazardous 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 hazardous substances
- 10 02 14 sludges and filter cakes from gas treatment other than those mentioned in 10 02 13
- 10 02 15 other sludges and filter cakes

### **10 03 wastes from aluminium thermal metallurgy**

- 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 hazardous 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 01 03 17  
10 03 19\* flue-gas dust containing hazardous 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 hazardous 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 hazardous substances  
10 03 24 solid wastes from gas treatment other than those mentioned in 10 03 23  
10 03 26 sludges and filter cakes from gas treatment other than those mentioned in 10 03 25  
10 03 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 hazardous substances  
10 03 30 wastes from treatment of salt slags and black drosses other than those mentioned in 10 03 29

**10 04 wastes from lead thermal metallurgy**

10 04 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

**10 05 wastes from zinc thermal metallurgy**

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 gasses in hazardous quantities  
10 05 11 dross and skimmings other than those mentioned in 10 05 10

**10 06 wastes from copper thermal metallurgy**

10 06 01 slags from primary and secondary production  
10 06 02 dross and skimmings from primary and secondary production  
10 06 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

**10 07 wastes from silver, gold and platinum thermal metallurgy**

- 10 07 01 slags from primary and secondary production
- 10 07 02 dross and skimmings from primary and secondary production
- 10 07 03 solid wastes from gas treatment
- 10 07 04 other particulates and dust
- 10 07 05 sludges and filter cakes from gas treatment
- 10 07 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 08 wastes from other non-ferrous thermal metallurgy**

- 10 08 04 particulates and dust
- 10 08 08\* salt slag from primary and secondary production
- 10 08 09 other slags
- 10 08 10\* dross or skimmings that are flammable or emit, upon contact with water, flammable gases in hazardous 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 hazardous 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 hazardous substances
- 10 08 18 sludges and filter cakes from flue-gas treatment other than those mentioned in 10 08 17
- 10 08 19\* waste from cooling-water treatment containing oil
- 10 08 20 wastes from cooling-water treatment other than those mentioned in 10 08 19

**10 09 waste from casting of ferrous pieces**

- 10 09 03 furnace slag
- 10 09 05\* casting cores and moulds which have not undergone pouring containing hazardous 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 hazardous 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 hazardous substances
- 10 09 10 flue-gas dust other than those mentioned in 10 09 09
- 10 09 11\* other particulates containing hazardous substances
- 10 09 12 other particulates other than those mentioned in 10 09 11
- 10 09 13\* waste binders containing hazardous substances
- 10 09 14 waste binders other than those mentioned in 10 09 13
- 10 09 15\* waste crack-indicating agent containing hazardous substances
- 10 09 16 waste crack-indicating agent other than those mentioned in 10 09 15

**10 10 wastes from casting of non-ferrous pieces**

- 10 10 03 furnace slag

10 10 05\* casting cores and moulds which have not undergone pouring, containing hazardous 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 hazardous substances  
10 10 08 casting cores and moulds which have undergone pouring, other than those mentioned in 10 10 09  
10 10 09\* flue-gas dust containing hazardous substances  
10 10 11\* other particulates containing hazardous substances  
10 10 12 other particulates other than those mentioned in 10 10 11  
10 10 13\* waste binders containing hazardous substances  
10 10 14 waste binders other than those mentioned in 10 10 13  
10 10 15\* waste crack-indicating agents containing hazardous 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 hazardous 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 hazardous 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 hazardous substances  
10 11 16 solid waste from flue-gas treatment other than those mentioned in 10 11 15  
10 11 17\* sludges and filter cakes from flue-gas treatment containing hazardous 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 hazardous 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 hazardous substances  
10 12 10 solid wastes from gas treatment other than those mentioned in 10 12 09  
10 12 11\* waste from glazing containing heavy metals  
10 12 12 wastes from glazing other than those mentioned in 10 12 11  
10 12 13 sludges 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 waste 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 waste from gas treatment containing hazardous 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

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

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

- 11 01 05\* pickling acids
- 11 01 06\* acids not otherwise specified
- 11 01 07\* pickling bases
- 11 01 08\* phosphatising sludges
- 11 01 09\* sludges and filter cakes containing hazardous substances
- 11 01 10 sludges and filter cakes other than those mentioned in 11 01 09
- 11 01 11\* aqueous rinsing liquids containing hazardous substances
- 11 01 12 aqueous rinsing liquids other than those mentioned in 11 01 11
- 11 01 13\* degreasing wastes containing hazardous 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 hazardous substances
- 11 01 16\* saturated or spent ion exchange resins

**11 02 wastes from non-ferrous hydrometallurgical processes**

- 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 hazardous substances
- 11 02 06 wastes from copper hydrometallurgical processes other than those mentioned in 11 02 05
- 11 02 07\* other wastes containing hazardous substances

**11 03 sludges and solids from tempering processes**

- 11 03 01\* wastes containing cyanide
- 11 03 02\* other wastes

**11 05 wastes from hot galvanising processes**

- 11 05 01 hard zinc
- 11 05 02 zinc ash

11 05 03\* solid wastes from gas treatment

11 05 04\* spent flux

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

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

12 01 01 ferrous metal fillings and turnings

12 01 02 ferrous metal dust and particles

12 01 03 non-ferrous metal fillings and turnings

12 01 04 non-ferrous metal dust and particles

12 01 05 plastic shavings and turnings

12 01 06\* mineral-based machining oils containing halogens (except emulsions and solutions)

12 01 07\* mineral-based machine oils free from 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 hazardous substances

12 01 15 machine sludges other than those mentioned in 12 01 14

12 01 16\* waste blasting material containing hazardous 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 hazardous substances

12 01 21 spent grinding bodies and grinding materials other than those mentioned in 12 01 20

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

12 03 01\* aqueous washing liquids

12 03 02\* steam degreasing wastes

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

### **13 01 waste hydraulic oil**

13 01 01\* hydraulic oils, containing PCBs

13 01 04\* chlorinated emulsions

13 01 05\* non-chlorinated emulsions

### **13 02 waste engine, gear and lubricating oils**

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

### **13 03 waste insulating and heat transmission oils**

13 03 01\* insulating of heat transmission oils containing PCBs

13 03 06\* mineral based chlorinated insulating and heat transmission oils 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 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 04 bilge oils**

13 04 01\* bilge oils from inland navigation

13 04 02\* bilge oils from jetty sewers

13 04 03\* bilge oils from other navigation

### **13 05 oil/water separator contents**

13 05 01\* solids from grit chambers and oil/water separators

13 05 02\* sludges from oil/water separators

13 05 03\* interceptor sludges

13 05 06\* oil from oil/water separators

13 05 07\* oily water from oil/water separators

13 05 08\* mixtures of wastes from grit chambers and oil/water separators

### **13 07 wastes of liquid fuels**

13 07 01\* fuel oil and diesel

13 07 02\* petrol

13 07 03\* other fuels (including mixtures)

### **13 08 oil wastes not otherwise specified**

13 08 01\* desalter sludges or emulsions

13 08 02\* other emulsions

## **14 WASTE ORGANIC SOLVENTS, REFRIGERANTS AND PROPELLANTS (EXCEPT 07 AND 08)**

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

14 06 01\* chlorofluorocarbons, HCFC, HFC

14 06 02\* other halogenated solvents and solvent mixtures

14 06 03\* other solvents and mixtures

14 06 04\* sludges or solid wastes containing halogenated solvents

14 06 05\* sludges or solid wastes containing other solvents

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

### **15 01 packaging (including separately collected municipal packaging)**

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 hazardous substances  
15 01 11\* metallic packaging containing a hazardous solid porous matrix (for example asbestos), including empty pressure containers

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

15 02 02\* absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by hazardous substances  
15 02 03 absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02

**16 WASTES NOT OTHERWISE SPECIFIED ON THE LIST**

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

16 01 03 end-of-life tyres  
16 01 07\* oil filters  
16 01 08\* components containing mercury  
16 01 09\* components containing PCBs  
16 01 10\* explosive components (for example air bags)  
16 01 11\* brake pads containing asbestos  
16 01 12 brake pads other than those mentioned in 16 01 11  
16 01 13\* brake fluids  
16 01 14\* antifreeze containing dangerous substances  
16 01 15 antifreeze other than those mentioned in 16 01 14  
16 01 16 tanks for liquified 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

**16 02 wastes from electrical and electronic equipment**

16 02 09\* transformers and capacitors containing PCBs  
16 02 10\* discarded equipment containing or contaminated by PCBs other than those mentioned in 16 02 09  
16 02 12\* discarded equipment containing free asbestos

### **16 03 off-specification batches and unused products**

- 16 03 03\* inorganic wastes containing hazardous 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 03 07\* metallic mercury

### **16 05 gases in pressure containers and discarded chemicals**

- 16 05 04 gases in pressure containers (including halons) containing hazardous 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 hazardous substances, including mixtures of laboratory chemicals
- 16 05 07\* discarded inorganic chemicals consisting of or containing hazardous substances
- 16 05 08\* discarded organic chemicals consisting of or containing hazardous substances
- 16 05 09 discarded chemicals other than those mentioned in 16 05 06, 16 05 07 and 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 hazardous substances

### **16 08 spent catalysts**

- 16 08 01 spent catalysts containing gold, silver, rhodium, palladium, iridium or platinum (except 16 08 07)
- 16 08 02\* spent catalysts containing hazardous transition metals or hazardous 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 hazardous 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
- 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 hazardous substances

- 16 10 02 aqueous liquid wastes other than those mentioned in 16 10 01
- 16 10 03\* aqueous concentrates containing hazardous 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 hazardous 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 hazardous 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 hazardous 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 hazardous 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 hazardous 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 hazardous substances

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

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

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

17 05 03\* soil and stones containing hazardous substances

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

17 05 05\* dredging spoil containing hazardous 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

**17 06 insulation materials and asbestos-containing construction materials**

17 06 01\* insulation material containing asbestos

17 06 03\* other insulation materials consisting of or containing hazardous substances

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

17 06 05\* construction materials containing asbestos

**17 08 gypsum-based construction material**

17 08 01\* gypsum based construction materials contaminated with hazardous substances

17 08 02 gypsum-based construction materials other than those mentioned in 17 08 01

**17 09 other construction and demolition wastes**

17 09 01\* construction and demolition wastes containing mercury

17 09 02\* construction and demolition waste 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 hazardous substances

17 09 04 mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03

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

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

18 01 06\* chemicals consisting of or containing hazardous substances

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

18 01 08\* cytotoxic and cytostatic medicines

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

18 01 10\* amalgam waste from dental care

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

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

18 02 05\* chemicals consisting of or containing hazardous substances

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

18 02 07\* cytotoxic and cytostatic medicines

18 02 08 medicines other than those mentioned in 18 02 07

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

**19 01 waste from incineration or pyrolysis of waste**

- 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 hazardous substances
- 19 01 12 bottom ash and slag other than those mentioned in 19 01 11
- 19 01 13\* fly ash containing hazardous substances
- 19 01 14 fly ash other than those mentioned in 19 01 13
- 19 01 15\* boiler dust containing hazardous substances
- 19 01 16 boiler dust other than those mentioned in 19 01 15
- 19 01 17\* pyrolysis waste containing hazardous substances
- 19 01 18 pyrolysis wastes other than those mentioned in 19 01 17
- 19 01 19 sands from fluidised beds

**19 02 wastes from physio/chemical treatments of wastes (including dechromatation, decyanidation, neutralisation)**

- 19 02 03 premixed wastes composed only of non-hazardous wastes
- 19 02 04\* premixed waste composed of at least one hazardous waste
- 19 02 05\* sludges from physio/chemical treatment containing hazardous substances
- 19 02 06 sludges from physio/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 hazardous substances
- 19 02 09\* solid combustible wastes containing hazardous substances
- 19 02 10 combustible wastes other than those mentioned in 19 02 08 and 19 02 09
- 19 02 11\* other wastes containing hazardous substances

**19 03 stabilised/solidified wastes**

- 19 03 04\* wastes marked as hazardous, partly stabilised other than 19 03 08\*
- 19 03 05 stabilised wastes other than those mentioned in 19 03 04
- 19 03 06\* wastes marked as hazardous, solidified
- Solidified wastes other than those mentioned in 19 03 06
- 19 03 08\* partly stabilised mercury

**19 04 vitrified waste and wastes from vitrification**

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

**19 07 landfill leachate**

- 19 07 02\* landfill leachate containing hazardous waste
- 19 07 03 landfill leachate other than those mentioned in 19 07 02

## **19 08 wastes from wastewater treatment plants not otherwise specified**

19 08 01 screenings

19 08 02 waste from desanding

19 08 05 sludges from treatment of urban wastewater

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 hazardous substances from biological treatment of industrial wastewater

19 08 12 sludges from biological treatment of industrial wastewater other than those mentioned in 19 08 11

19 08 13\* sludges containing hazardous substances from other treatment of industrial wastewater

19 08 14 sludges from other treatment of industrial wastewater other than those mentioned in 19 08 13

## **19 09 wastes from the preparation of water intended for human consumption or water for industrial use**

19 09 01 solid waste from primary filtration and screening

19 09 02 sludges from water clarification

19 09 03 sludges from decarbonation

19 09 04 spent activated carbon

19 09 05 saturated or spent ion exchange resins

19 09 06 solutions and sludges from regeneration of ion exchangers

## **19 10 wastes from shredding of metal-containing waste**

19 10 01 iron and steel waste

19 10 02 non-ferrous waste

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

19 10 04 fluff-light fraction and dust other than those mentioned in 19 10 03

19 10 05\* other fractions containing hazardous substances

19 10 06 other fractions other than those mentioned in 19 10 05

## **19 11 wastes from oil regeneration**

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 hazardous substances

19 11 06 sludges from on-site effluent treatment other than those mentioned in 19 11 05

19 11 07\* wastes from flu-gas cleaning

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

19 12 01 paper and cardboard

19 12 02 ferrous metal

19 12 03 non-ferrous metal

19 12 04 plastic and rubber  
19 12 05 glass  
19 12 06\* wood containing hazardous substances  
19 12 07 wood other than those mentioned in 19 12 06  
19 12 08 textiles  
19 12 09 minerals (for example sand and stone)  
19 12 10 combustible waste (refuse derived fuel)  
19 12 11\* other wastes (including mixtures of materials) from mechanical treatment of waste containing hazardous substances  
19 12 12 other wastes (including mixture of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11

### **19 13 wastes from soil and groundwater remediation**

19 13 01\* solid wastes from soil remediation containing hazardous 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 hazardous substances  
19 13 04 sludges from soil remediation other than those mentioned in 19 13 03  
19 13 05\* sludges from groundwater remediation containing hazardous 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 hazardous substances  
19 13 08 aqueous liquid wastes and aqueous concentrates from groundwater remediation other than those mentioned in 19 13 07

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

### **20 01 separately collected fractions (except 15 01)**

20 01 01 paper and cardboard  
20 01 02 glass  
20 01 08 biodegradable kitchen and canteen waste  
20 01 10 clothes  
20 01 11 textiles  
20 01 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 chlorfluorocarbons  
20 01 25 edible oil and fat  
20 01 26\* oil and fat other than those mentioned in 20 01 25  
20 01 27\* paints, 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 hazardous substances  
20 01 30 detergents other than those mentioned in 20 01 29  
20 01 31\* cytotoxic and cytostatic medicines  
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  
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 hazardous 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

**20 02 garden and park wastes (including cemetery waste)**

20 02 01 biodegradable waste  
20 02 02 soil and stones  
20 02 03 other non-biodegradable wastes

**20 03 other municipal wastes**

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