

ENVIRONMENT MANAGEMENT SYSTEM

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

Version 4.0 December 2025



SJW Enviro Consulting Ltd

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Appendix 1 – Drawings

Drawing No. – COD/EMS/01	Site location map
Drawing No. – COD/EMS/02	Permit boundary plan
Drawing No. – COD/EMS/03	Site layout plan
Drawing No. – COD/EMS/04	Site drainage plan
Drawing No. – COD/EMS/05	Detailed internal storage plan

Appendix 2 – Fire Suppression System

Appendix 3 – Technical Competence Certificates

Appendix 4 – Complaints form

Appendix 5 – Climate change risk assessment

Appendix 6 – Waste types

1.0 GENERAL CONSIDERATIONS

1.1 Site operator / permit holder

1.1.1 The site which is the subject of this environmental management system (EMS) is operated by C O'Donovan & Sons Ltd.

1.1.2 This EMS relates solely to the area of the site which is used as a waste treatment facility. Any reference to 'the site' in this document relates to the treatment facility only.

1.1.3 The site is approximately 6,650 square metres in size. Parts of the site have been permitted as a waste management facility since November 2022.

1.1.4 This EMS forms part of the Environmental Permit for this site. It is also to be used to give instructions to staff specifying how the site shall be managed and operated.

1.1.5 The site is situated at the following address:

11 – 13 Ashfield Way Contact: Clifford O'Donovan
Whitehall Industrial Estate Tel: 0113 245 3845
Leeds
West Yorkshire
LS12 5JB

1.1.6 SJW Enviro Consulting Ltd has been employed as consultants for C O'Donovan & Sons Ltd to produce the EMS for this facility. Contact details are as follows:

Address: SJW Enviro Consulting Ltd Tel: 07471 910102
 8 Meadow Bank
 Holmfirth
 West Yorkshire
 HD9 1QS

Contact: Simon Walker E-mail: simon@sjwenviroconsulting.co.uk

1.2 Company environmental policy

1.2.1 C O'Donovan & Sons Ltd is committed to achieving high performance across the whole range of its activities. Compliance with all relevant environmental legislation is a core requirement of this policy.

1.2.2 The company will pursue continual improvement in performance and management, with the objective of protecting and enhancing the environment and preventing pollution.

- 1.2.3 Company policies and procedures will be subject to frequent review and all staff at all levels will receive compliance training, updated at regular intervals.
- 1.2.4 The company will actively promote waste recycling and recovery, seeking to extend the range of material recycled with the objective of replacing the use of non-sustainable natural resources where possible.
- 1.2.5 Environmental performance will be given equal priority with all other business objectives and all staff will be made aware of the adherence to this Environmental Policy is the responsibility of all employees.

1.3 Permit area

- 1.3.1 The site is located off Ashfield Way on Whitehall Industrial Estate approximately 4.5 kilometres to the west south-west of Leeds City Centre. The site entrance is directly off Ashfield Way with a further access to the rear yard off Ashfield Close. There are two further yards to the western end of the site that are not currently used for waste management activities but may be so in the future. If that was the case then this EMS would be updated accordingly. The location of the site is shown on plan No. COD/EMS/01, served at OS map reference SE 25605 31648. The immediate surrounding areas are comprised entirely of industrial units associated with the Whitehall Industrial Estate.
- 1.3.2 The area which is subject to this EMS is outlined in green on drawing no. COD/EMS/02. All references to 'the site' in this document shall mean this area.

1.4 Hydrology and Hydrogeology

- 1.4.1 Flood maps indicate that the site is entirely within Flood Zone 3. This means that it has a low probability of flooding. The area does not benefit from flood defences or a flood water storage area.
- 1.4.2 The Environment Agency groundwater vulnerability map indicates the area under the site has a medium vulnerability.
- 1.4.4 There are no wells, springs or boreholes within 50 metres of the site boundary used for the supply of water for human consumption.
- 1.4.5 The site is not located within a surface water Nitrate Vulnerable Zone. No nitrate is produced or used on the site.

1.5 Waste management operations

- 1.5.1 Permit number KB3500FS was issued to C O'Donovan & Sons Ltd for a physio-chemical treatment facility on 3rd November 2022. The permit allows the acceptance of up to 25,000 tonnes of waste material per annum and the treatment of up to 10 tonnes of hazardous waste per day. The site has grown to such an extent that the original quantities are not enough. Therefore, this document accompanies an application to increase the annual quantity of

material accepted to 200,000 tonnes with the daily treatment of non-hazardous waste increased to 900 tonnes and 100 tonnes for hazardous waste. In addition, a significant number of waste codes are to be added to the permit and a small area of land to the south of the existing permit is also to be added.

1.5.2 The site is also permitted as a waste transfer station where the permit holders offer a 'one-stop-shop' waste option to their customers. When dealing with IBC's drums and other containers they will also accept any other waste streams that the customer has created. Currently there is no capacity at the site for this operation and consequently is not detailed in this document. Should the transfer option be realised at some point in the future then the EMS would be altered accordingly.

1.5.3 Waste processes carried out on this site will include the following:

Specified waste management operations include waste recovery operations listed in Parts II and III of Schedule 4 of the Environmental Permitting Regulations (England and Wales) 2010. They are listed in summary below:

- R3 Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)
- R4 Recycling/reclamation of metals and metal compounds
- R5 Recycling/reclamation of other inorganic materials
- R13 Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)
- D14 Repackaging prior to submission to any of the operations numbered D1 to D13
- D15 Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced)

1.6 Laundry operations

1.6.1 As well as operating a waste management facility C O'Donovan & Sons Ltd offer a laundry service for drums, IBC's and other containers. This involves collecting empty containers from customers, washing them and then returning the clean containers back to the client. At no time are these containers classed as waste and consequently will not be counted as such on the quarterly returns provided to the Environment Agency by the company.

- 1.6.2 Any drum, IBC or other container which, having been accepted for the laundry process, is subsequently found to be non-viable is scrapped. All scrapped containers are classed as waste for the purposes of quarterly returns.

1.7 Hours of operation

- 1.7.1 Site operations will only take place during the hours agreed with the Local Planning Authority.

Waste Delivery and Process Activities:

Monday to Friday	0600 – 1800 hrs
Saturday	0600 – 1200 hrs

No operations will take place on Sundays or Bank Holidays or outside the above hours without written agreement from the Local Planning Authority and the Environment Agency.

- 1.7.2 Floodlights are available for use if permitted operations or emergency procedures are carried out after official lighting up times. Mobile floodlights will be made available if additional lighting is required.

1.8 Waste types and quantities

- 1.8.1 The site accepts nominally empty IBC's and drums of various sizes for washing. In addition, other waste items may be collected to provide a 'one-stop' waste management service to clients.
- 1.8.2 The site will accept the waste types detailed in Appendix 6, consisting of the relevant codes and descriptions from the EWC Waste Classification. The Environment Protection (Duty of Care) Regulations 1991, as amended, require the use of these codes on all waste transfer notes.
- 1.8.3 The total maximum amount of waste accepted at the site shall not exceed 200,000 tonnes per annum. The throughput of the site will be limited to a maximum of 1,000 tonnes per day of which no more than 100 tonnes shall be hazardous.
- 1.8.4 The maximum amount of non-hazardous waste stored on site at any one time shall not exceed 2,500 tonnes.
- 1.8.5 Temporary storage of hazardous waste shall not exceed 300 tonnes pending any of the activities listed in 1.5.2 above.
- 1.8.6 If the maximum storage capacity of the site is reached then no further waste will be accepted until waste can be processed or removed from site and taken to a suitably authorised facility.

1.9 Staffing and management

- 1.9.1 The site will be open for the acceptance of waste or for other essential operations during the hours listed in Section 1.4 above. There will be an

adequate number of staff and drivers employed on the site during operating hours to ensure compliance with the relevant legislation.

1.10 Health and safety

1.10.1 All operations on site will be carried out in accordance with the relevant requirements of the Health and Safety at Work Act 1974.

1.11 Fit and proper persons

1.11.1 The designated technically competent manager for the site is Dougie Morrison. WAMITAB certificates of technical competence along with proof of continuing competence are attached to this document in Appendix 3.

1.11.2 There will be a training programme for all staff involved in site operations to ensure sufficient suitably trained persons are available on site to ensure compliance with the permit. Personnel training records will be maintained and available for inspection in the site office.

2.0 SITE ENGINEERING AND INFRASTRUCTURE

2.1 Access and parking

2.1.1 The main access to the site is off Ashfield Way with access to the rear, open, yard and smaller drum washing building off Whitehall Road and Ashfield Close. Site location is shown on Drawing No. COD/EMS/01.

2.1.2 There is provision for parking for staff and visitors in a dedicated car park, just outside the permitted area for the site, off Whitehall Road as shown on the attached plans.

2.2 Notice board and signs

2.2.1 A noticeboard will be located adjacent to the site entrance and will display the following information:

- The site name and address
- The name of the permit holder and operator
- The Environmental permit number
- The Environment Agency contact details
- Operators 'out of hours' emergency number

2.2.2 Additional signs will be displayed around the site for operational and health and safety purposes. All staff and visitors will be required to comply with the requirements of all signs whilst on site.

2.3 Site security

2.3.1 The permitted area is surrounded by fencing or walling to a minimum height of two metres.

2.3.2 The entrance gates to the rear yard are made up of 2 metre high metal paling fencing topped with spikes. The gates are padlocked closed at all times when the site is not operational.

2.3.3 There are CCTV cameras covering the site. CCTV cameras can be monitored from the site office during the day and out of hours by the company directors and technically competent manager via their mobile phones.

2.4 Site office

2.4.1 The site office is located as shown on Drawing No. COD/EMS/03. A copy of the waste permits and management documents will be held on site in the site office. Welfare facilities are provided for site staff.

2.4.2 The following documentation will be retained on site:

- Environmental waste permit
- Installation permit
- Management system documents
- Site diary
- Environment Agency inspection forms
- In-house inspection and recording forms
- Hazardous waste consignment notes
- Waste delivery tickets
- Weighbridge tickets
- Accident management plan
- Accident book

2.5 Measurement of waste inputs

2.5.1 There is a weighbridge associated with the site in the rear yard adjacent to the quarantine area as shown on the attached plans. Not every load that arrives on site is weighed but there is the facility to do so.

2.6 Wheel cleaning facilities

2.6.1 The site does not have a wheel wash or spinner, however, the whole of the permitted area is surfaced with concrete and operations at the site do not lead to residues on the site surface. As a consequence, it is not felt that mud on the public highway would be an issue other than in exceptional circumstances.

2.6.2 In dry conditions when dust could become windborne as a result of vehicle movements a road sweeper or hoses would be used to damp the haul and access roads within the site. Details of these deployments will be retained in the site office and will be available for inspection by the Environment Agency on request.

2.7 Fuel Storage

- 2.7.1 Diesel and gas oil are stored in the building inside IBC's. In turn the IBC's are located within bunds capable of holding 110% of the capacity of the largest container.

2.8 Waste Quarantine area

- 2.8.1 An area for the storage of rejected waste is provided on site for the deposit of material that cannot be removed from the site immediately. The location of this quarantine area is shown on Drawing No. COD/EMS/03

2.9 Drainage

- 2.9.1 The active external yard area falls to a drainage sump which collects water.
- 2.9.2 The drum washing and cleaning buildings have a drain running all the way around the inside of the buildings. These drain into sumps which also collect all the wash water and residues.
- 2.9.3 The sumps hold up to 10,000 litres of liquid and are pumped out into IBC's for disposal off site.
- 2.9.4 Sludges that accumulate in the sumps are also pumped out into IBC's for disposal off site.
- 2.9.5 The sumps are cleaned with a power wash at a minimum once a week.
- 2.9.6 The IBC's are removed from site as and when required by an external contractor. The wash water and sludges are taken to the permit holders facility in Holbeck, Leeds for treatment and discharge to sewer.
- 2.9.7 The sumps in the buildings and rear yard are fitted with leak detection equipment to ensure that liquid does not escape and cause pollution of the ground or groundwater.

2.10 Surfacing

- 2.10.1 The buildings are surfaced entirely with an impermeable pavement composed of reinforced concrete. The external yard has recently been concreted to also provide an impermeable pavement for storage. This area is bunded around the perimeter fence.

2.11 Vehicles, plant and equipment

- 2.11.1 Plant and equipment associated with the treatment and transfer of waste will be in use at the site at any time. Additional equipment may be installed as required.

3.0 SITE OPERATIONS

3.1 Preliminary procedures

- 3.1.1 Guidance will be given by the site management (operator and permit holder) to all employees, sub-contractors, other waste carriers and customers regarding the waste types which are acceptable at the site. Carrier registration details will be taken for any new haulage operators bringing waste to the site and the details will be periodically checked via the Environment Agency's website to ensure that they are still registered.
- 3.1.2 Over half of the waste processed at the facility will generally be collected by the permit holders. However, various other collectors or producers may deliver waste to the site.
- 3.1.3 Where material is to be collected by the permit holders own vehicles an initial inspection will be made by the driver prior to loading the material onto the wagon. Should waste items that are not permitted at site be noticed then the driver will request that these be removed prior to the load being taken away. Drivers are particularly vigilant to residues in containers and any containers holding residues will be rejected.
- 3.1.4 Waste will only be accepted at the site if the consignment has been pre-notified to the operators.

3.2 Checking in and inspecting loads

- 3.2.1 On arrival at the site the driver will report to the site office or site manager. 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.
- 3.2.2 Drums and IBC's arriving at the site to be washed and returned occasionally contain residues of their former contents despite efforts to completely empty them. Any container that has more than 1% by volume of residue remaining will be rejected and returned to the producer.
- 3.2.3 Operators arriving at site without a valid waste carriers registration will not be allowed to deposit waste.
- 3.2.4 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.

3.3 Waste deposit, manual handling and storage

- 3.3.1 If accepted at the site, waste will be unloaded into the designated storage areas, predominantly in unit 12 with some overflow in unit 11 during busy times.

- 3.3.2 Drums and IBC's that contain residues are decanted into other drums or IBC's. This is done using a forklift truck and a specially constructed cage that allows the liquid to run out of the container to be washed into the receiving container. Each receiving container will only contain one waste type and stream and these will be securely lidded and taken off site for recycling or disposal at a suitably permitted facility. This process takes place in Unit 11.
- 3.3.3 Drums and IBC's are first washed and dried. The water used for this process is mains water. Those containers that are suitable for re-use are then stored in the yard area prior to removal from site.
- 3.3.4 The site does not accept water reactive wastes. Drums and IBC's are washed by waste type. At the end of the run the sump is pumped clear of wash water and cleaned to avoid any potential reaction between different waste types. When the sump is empty all the IBC's into which the wash water has been pumped will be sealed and no further liquids will be placed in them.
- 3.3.5 Drums and IBC's that cannot be re-used are scrapped.
- 3.3.6 Plastic drums and IBC's are shredded on site with the shredded plastic being fed through a water bath to clean it further and then dried and placed in large bags for removal off site. This process takes place in Unit 11.
- 3.3.7 Metal drums and IBC cages are cut up by hand and placed in a skip for removal to a permitted scrap metal dealer in the Leeds area.
- 3.3.8 Loads are inspected when they are deposited either in the building or within the external yard area to ensure that it complies with the terms of the site permit.
- 3.3.9 All staff who work on the site shall be made aware of the acceptable categories of waste allowed to be deposited. Site staff shall be responsible for inspecting each load. To ensure compliance with this, periodic spot checks shall be made by the site manager.
- 3.3.10 Should non-permitted waste be deposited within a load delivered to site by a vehicle outside the ownership of the permit holder then, where possible, the material will be re-loaded into the vehicle and the driver shall be asked to leave the site.
- 3.3.11 Persistent non-compliance with the terms of the site permit by a contractor may result in the contractor being banned from the site for a specified length of time to be determined by site management.
- 3.3.12 Rejected wastes not immediately returned to the customers will be deposited in the quarantine area and will be recorded in the site diary.
- 3.3.13 In the unlikely event of any non-permitted hazardous waste being found in the loads, arrangements for its removal from site shall be made as a matter of urgency by means of a specialist contractor operating to the requirements of the relevant legislation. In such cases the Environment Agency will be

informed of the nature and quantity of the waste involved and the date and time it was noticed.

3.3.14 Whilst on site such non-compliant hazardous waste shall be handled in accordance with site procedures and the material shall be placed within the quarantine area if possible.

3.3.15 No material will remain within the quarantine area for longer than seven days.

3.4 End of life vehicles

3.4.1 The site is not permitted to accept end of life vehicles for depollution.

3.5 Waste removal and export

3.5.1 Cleaned and washed drums and IBC's awaiting removal from site are stored in Unit 13 and the rear yard.

3.5.2 Transport of material away from the site is undertaken by the permit holder and other external carriers.

3.5.3 Scrap metal recovered from non-viable IBC cages or scrap metal drums is taken to permitted metal recycling sites.

3.5.4 Scrap plastic is removed from the site for recycling at a suitably permitted facility.

3.5.5 Waste wash water collected in the sump within the drum washing building is removed from site by a third party and taken to a suitably permitted facility for processing and disposal.

3.6 Record keeping

3.6.1 The details below will be recorded on a combination of the record keeping forms, invoices, the site diary and controlled waste transfer notes or hazardous waste consignment notes when required. The records will be kept in paper or electronic format and be available in the site office for inspection upon request.

3.6.2 The following details will be recorded for every load deposited at the site:

- The date and time of delivery.
- The name and address of the waste producer.
- The type and quantity of waste including EWC code.
- The carriers name and address.
- Drivers name and vehicle registration number.

3.6.3 The following details will be recorded for all deposits of non-conforming waste at the site and will be forwarded to the Environment Agency where required:

- Date and time of deposit.
- A description of the waste including EWC code.

- The quantity of waste.
- Name, address and telephone number of the waste producer.
- The carriers name and vehicle registration number.
- The reason for the rejection of the waste and the action taken.

3.6.4 The following details will be recorded for every load of waste leaving the site:

- The date and time of removal.
- The type and quantity of waste including EWC codes.
- The destination waste management site or exempt facility.
- The name and registration number of the carrier or employee removing the waste.

3.6.5 A summary of the waste types and quantities deposited and removed from the site will be provided to the Environment Agency at intervals specified by the environmental permit for the site in a form approved by the Agency.

3.6.6 The outcome of all inspections of waste types, yard areas, storage tanks, bunds, drainage channels etc. will be recorded and detailed comments will be entered into the site diary including action taken or proposed.

3.6.7 Visitors to the site will sign the visitors book upon arrival and exit stating the purpose of their visit and whom they represent.

3.7 Chemical waste appropriate measures

3.7.1 The site is permitted to accept a wide range of chemical waste and consequently must comply with the technical guidance for chemical wastes 'Chemical Waste Appropriate Measures for permitted facilities'.

3.7.2 Appropriate measures for treatment of chemical wastes are not relevant for this site as the only activities involve storage and transfer of chemical waste. There is no treatment of any chemical waste on site.

3.7.3 C O'Donovan & Sons Ltd. can confirm that appropriate measures are in place in accordance with the guidance as follows:

General management appropriate provisions

3.7.4 This written management system and other documents associated with the site permit, for example the fire prevention plan, site specific risk assessment and site condition report cover the relevant general management appropriate measures.

3.7.5 Staff competency is addressed in this document and the technically competent manager is on site at all times. Additional training is given to site staff to ensure compliance with all the associated management plans.

3.7.6 A comprehensive accident management plan has been put in place by the operators and a copy of the document is available for inspection in the site office.

- 3.7.7 Within the general management appropriate measures there is the requirement to segregate waste and substances by their hazardous properties. All waste streams are segregated as detailed in the fire prevention plan. Storage of chemical waste is within a building on site as required by paragraph 2.4 relating to accident prevention measures.
- 3.7.8 Fire prevention is addressed in the fire prevention plan associated with the site permit.
- 3.7.9 While this site does treat some waste streams it does not treat chemical waste and therefore the section on treatment sites and plant decommissioning do not apply.

Waste pre-acceptance, acceptance and tracking appropriate measures

- 3.7.10 Details of pre-acceptance checks to be carried out are shown in section 3.1 above.
- 3.7.11 All pre-acceptance checks are carried out by the technically competent manager for the site. All checks are in accordance with Section 3.1 Waste pre-acceptance detailed in the guidance.
- 3.7.12 Details of waste acceptance and waste deposit, manual handling and storage are shown in section 3.2 and 3.3 above.
- 3.7.13 The site has a weighbridge but only certain loads are weighed. Quantities of chemical waste accepted at the site are predominantly based on volume.
- 3.7.14 The site does not accept bulk loads of chemical waste and consequently paragraphs 24 – 26 of the guidance under waste pre-acceptance, acceptance and tracking appropriate measures are not relevant.
- 3.7.15 Sampling and testing facilities are available on site should they be required.
- 3.7.16 The sites waste tracking is a computer-based programme that can be interrogated to provide appropriate details of each load of chemical containing waste accepted from each premises. The system can identify where each load is stored, how much material is on site and how long each load has been stored. This can also be cross-referenced with the pre-acceptance audit details.

Waste storage, segregation and handling appropriate measures

- 3.7.17 Details of waste deposit, manual handling and storage are shown in section 3.3 above.
- 3.7.18 The section in the guidance relating to transfers of waste into and from tankers is not relevant as the site does not accept tinkered waste.
- 3.7.19 The operators agree to store, segregate and handle waste chemicals in accordance with the document No 4. Waste storage, segregation and handling appropriate measures of Chemical Waste: appropriate measures for permitted facilities.

Waste treatment appropriate measures

3.7.20 This section is not relevant to this facility as it does not treat chemical waste.

Emissions control appropriate measures

3.7.21 The site only accepts small quantities of chemical waste which arrives from other facilities already bagged or within containers and is then placed in IBC's or steel drums for storage and off-site disposal. There is no further handling or treatment of this waste stream. As a consequence, it is not anticipated that there will be any point source or fugitive emissions to air which means that this section of the guidance does not apply to this site.

3.7.22 The section relating to emissions of noise and vibration also does not apply to this site and there is no noise and vibration management plan.

3.7.23 The site is fully bunded so emissions to land, water or sewer are unlikely and the only emissions to water would be in the event of a fire on site. Details on the containment of fire water are given in the fire prevention plan.

Emissions monitoring and limits appropriate measures

3.7.24 Emissions to air or water are unlikely (see 3.8.21 – 3.8.23 above) and therefore this section is not relevant to this site.

Process efficiency appropriate measures

3.7.25 This site is not an installation and therefore this section does not apply.

3.8 Non-hazardous and inert waste appropriate measures

3.8.1 The site is permitted to accept non-hazardous waste and consequently must comply with the technical guidance for this waste stream 'Non-Hazardous and Inert Waste Appropriate Measures for permitted facilities'.

3.8.2 C O'Donovan & Sons Ltd. can confirm that they agree with the appropriate measures for non-hazardous and inert wastes other than the section relating to process efficiency which is not relevant to this site.

4.0 ENVIRONMENTAL CONTROL, MONITORING AND REPORTING

4.1 Breakdowns and spillages

4.1.1 In the event of a breakdown of plant or equipment an alternative will be brought onto site until it is repaired. If an alternative machine cannot be used then no further waste will be accepted until suitable plant is obtained. Minor repairs on plant and machinery will be carried out on site with absorbents used to clear oil or fuel spillages. All other operations on site will continue as normal.

- 4.1.2 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 container for disposal.
- 4.1.3 Any spillages of fuel will be cleared immediately by depositing sand or absorbents on the affected area. The sand or adsorbents will be placed in a container to be taken to a suitably authorised site for disposal. All spillages of waste on the yard area and any windblown litter will be cleared by the end of the working day on which they occur. Spillage clearance procedures are detailed in Section 5.
- 4.1.4 All wastes liable to give rise to contamination will be removed from the site if the site is not secure or if operations cease or are temporarily, suspended.

4.2 Site inspections and maintenance

- 4.2.1 The inspections for maintenance or housekeeping will be completed by a person who is familiar with the requirements of this management system and environmental permit for the site. All details of defects, problems and repairs carried out will be recorded in the site diary on the day that each event occurs. Detailed comments may also be recorded. All repairs will be carried out within five working days unless otherwise agreed with the Environment Agency.
- 4.2.2 All repairs to site security will be made within five working days of the discovery of the damage and the site will be made secure until the repair has been effected.
- 4.2.3 Any major defects found during the daily site inspection which are likely to lead to a breach of permit conditions will be repaired by the end of the working day in which they were found where possible. If a repair is not possible by the end of the working day the Environment Agency will be contacted to agree a suitable timescale for the repair.
- 4.2.4 All defects and problems likely to give rise to pollution will be recorded in the site diary with repairs or solutions being carried out as soon as is practicable.
- 4.2.5 A programme of planned maintenance will be followed and ensuring manufacturers recommendations for inspection and maintenance are carried out. Essential spares for plant maintenance will be kept on site.
- 4.2.6 Waste processing areas, storage areas, concrete hardstanding, buildings, kerbs and bunding will undergo weekly visual checks for wear and tear or physical damage.
- 4.2.7 All drainage systems will be inspected at twice weekly intervals to ensure that they are functioning effectively. Any silt traps will be inspected and emptied when necessary. Oil/water mixtures collected in the sumps will be removed as required.

4.3 Monitoring and control of debris and site residues

- 4.3.1 Vehicles will be visually inspected before exit to check that loads are secure and that no debris is carried out on the wheels or body of the vehicle to ensure that they comply with the requirements of the Duty of Care. Visual inspections of the site are carried out daily and staff will report any problems with debris on the site surfaces immediately to the site manager.
- 4.3.2 The deposit of materials on the public highway will be treated as an emergency and will be cleared immediately by the operator either by hand or by using a road sweeper.

4.4 Monitoring and control of dust

- 4.4.1 The site does not accept dusty wastes but it does, however, have a large external area that could potentially dry out and become dusty.
- 4.4.2 Should a dust problem develop, or a complaint be received from members of the public or the Environment Agency then immediate action will be taken to identify the source. This includes investigating other potential sources outside the permitted area of the site.
- 4.4.3 If a dust issue is identified within the site then action will be taken to deal with the problem immediately. Dusty areas will be dampened down to prevent dust from becoming airborne and concrete areas will be swept clean.

4.5 Monitoring and control of odour

- 4.5.1 The site does not accept domestic refuse which can be odour forming, nor is waste kept on site for a significant length of time.
- 4.5.2 Site operatives and site management remain vigilant for odours resulting from waste management operations.
- 4.5.3 Should an odour problem develop, or a complaint be received from members of the public or the Environment Agency then immediate action will be taken to identify the source. This includes investigating other potential sources outside the permitted area of the site.
- 4.5.4 If an odour issue is identified within the site then action will be taken to deal with the problem immediately. Suspected waste will be removed from the site and an investigation into waste acceptance procedures and waste storage times undertaken.

4.6 Monitoring and control of litter

- 4.6.1 All waste which have the potential to become windblown will be deposited within the building.
- 4.6.2 On site training for site operatives includes good housekeeping practices and any loose waste that does escape the confines of the building are cleared up at the end of the working day and returned to the building.

- 4.6.3 A daily check of the site and the site boundaries is carried out as part of the site managers daily inspection and is recorded in the site diary. Checks off site in the vicinity are carried out following periods of adverse weather conditions where there is a possibility of litter escape from site or in the event of a complaint. If it is determined that action is required site staff will be despatched to clean the affected area.

4.7 Monitoring and control of pests, birds and other scavengers

- 4.7.1 The site will be inspected daily for the presence of vermin and the results of the inspection noted in the site diary or site inspection form. A pest control contractor has been employed to provide bait traps which are maintained on a regular basis.

4.8 Monitoring and control of noise

- 4.8.1 Noise levels shall be controlled by using efficient silencers on all on-site plant and machinery. A regular and effective plant maintenance programme shall ensure that all noise reduction measures continue to operate effectively.
- 4.8.2 Any incidence of noise nuisance or complaints shall be investigated, and where applicable, corrective mitigating action taken. All action will be recorded in the site diary and the Environment Agency informed if necessary.

4.9 Environmental monitoring and reporting

- 4.9.1 No surface water or groundwater monitoring is required at this time.
- 4.9.2 Weather conditions will be logged in the site diary if they are likely to lead to a breach of permit conditions.
- 4.9.3 All complaints received, and action taken, in respect of any complaints will be recorded in the site diary.
- 4.9.4 The site diary and all associated monitoring forms will be available for inspection in the site office at all times.

4.10 Monitoring of sewer discharges

- 4.10.1 There are no sewer discharges associated with this site at this time. Should the situation change and an effluent treatment plant be installed on site then this document would be updated and a copy sent to the Environment Agency for their consideration and incorporation into the permitting documents.

4.11 Volatile Organic Compounds

- 4.11.1 Volatile Organic Compounds (VOC's) can build up in the residual waste building and waste processing building.
- 4.11.2 Activated carbon air purifiers are in place in the areas where VOC's can build up. These purifiers capture VOC's within the carbon which is replaced at regular intervals with the spent carbon being taken off site to be disposed of.

4.11.3 All drums and IBC's that contain material that could give rise to VOC's are always lidded and have all bugs in place.

4.12 Complaints

4.12.1 All complaints will be registered, together with details of the complainant including name and contact details and investigated within 24 hours of receipt. Details of the investigation and any measures taken as a result will also be recorded on the complaints form attached in Appendix 3.

4.13 Climate change provisions

4.13.1 C O'Donovan & Sons Ltd are aware that climate change is a significant issue which has the potential to impact many areas of the day-to-day activities of the business.

4.13.2 A climate change risk assessment has been prepared, based on Environment Agency guidance updated on May 17th 2023, and is included in this document at Appendix 5.

4.13.3 The main areas of concern identified by the climate change risk assessment relate to increased summer temperatures and the impact on the site of more frequent storms.

4.13.4 Mitigation measures are laid out within the climate change risk assessment in Appendix 5.

5.0 EMERGENCY PROCEDURES

5.1 General

5.1.1 In addition to obligations imposed by RIDDOR '95 (Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 1995) the operator will notify the Environment Agency of any serious injuries to employees, other site users or members of the public arising as a result of operations on site. Minor injuries such as cuts and bruises will be recorded in the accident book on site. Separate procedures will be used for different types of emergencies. An emergency at the site is defined by site management as follows:

‘Any incident likely to result in harm to human health or pollution of the environment or serious breach of permit conditions and serious detriment to the amenities of the locality.’

5.1.2 For all emergency situations the deposit of any further waste will be suspended where necessary to allow action to be taken safely. If necessary, staff and other users of the site will be evacuated to an area which is a safe distance away from the hazards. Staff handling the emergency will be provided with and trained to use the necessary PPE unless the manager instructs that the hazard is too severe and outside help is needed from the emergency services or specialist waste contractors.

5.2 Fire prevention and control

- 5.2.1 No waste will be burned on site. Any fire on site will be treated as an emergency.
- 5.2.2 In the event of a fire on site fire extinguishers are located in the drum processing and waste storage areas, site offices and around the external yard areas.
- 5.2.3 Site staff will be trained in the use of fire extinguishers as part of the ongoing training and development programme.
- 5.2.4 Units 11 and 12 have a professionally fitted fire suppression system supplied by a 50,000 litre water tank located in the rear yard. Details of the layout of the system are contained with Appendix 2 of this document. More detailed plans and specifications for the system are retained in the site office.
- 5.2.5 More detailed fire prevention and control methods are contained in the Fire Prevention Plan associated with this permit.
- 5.2.6 The Environment Agency will be informed of any fire on site within 4 hours of the incident.

5.3 Spillages

- 5.3.1 If any spills occur from plant, vehicles or stored fuel and oil a spill containment kit (absorbent pads, booms or granules) will be used to prevent further spillage and the contaminated absorbents placed in a container for disposal at a suitably permitted site.

5.4 Adverse reactions

- 5.4.1 No wastes are accepted which will react to present such a hazard. All containers arriving at the site are nominally empty.

5.5 Poor visibility

- 5.5.1 The site will not operate in conditions of poor visibility such as dense fog to reduce the risk of vehicle collision or other accident.

5.6 Operational Failure

- 5.6.1 The manager will be contacted in the event of any operational failure such as the breakdown of plant, systems or equipment and will decide whether operations are to continue or be suspended prior to corrective action being taken. Operational failures which result in the closure of the site will be recorded in the site diary.

5.7 Overturned vehicle

- 5.7.1 If a vehicle is overturned on the site or near the site entrance then no further waste will be accepted until the vehicle is righted and any spillages have been cleared as described in Section 5.3.

6.0 CONTINUAL IMPROVEMENT

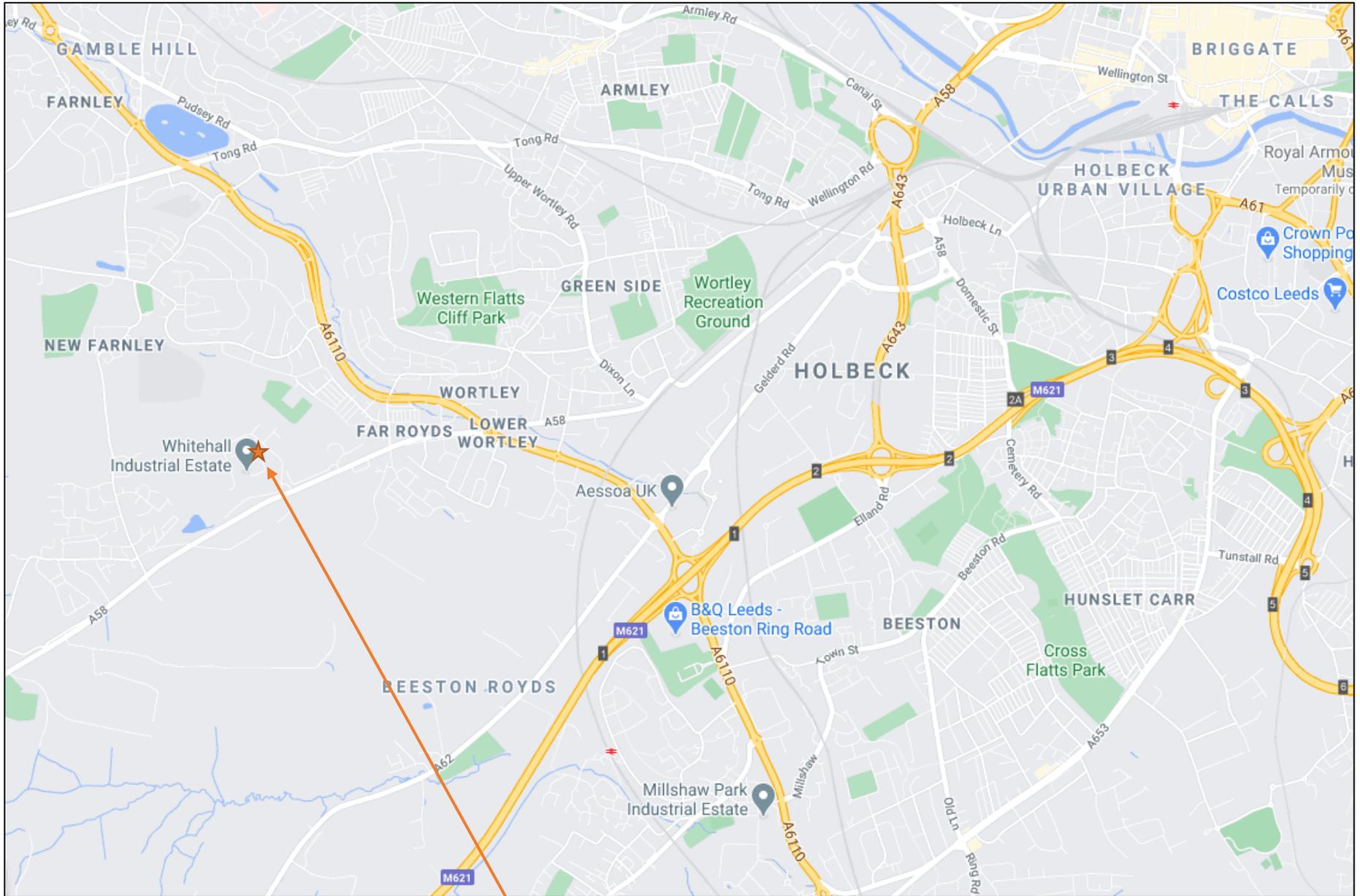
6.1 Review

- 6.1.1 C O'Donovan & Sons Ltd are dedicated to continually improving site operations through investment and modification in staff and infrastructure. This Environment Management System is due for review before the end of December each year. The next review is to be carried out prior to 31st December 2026. Any amendments made to this plan will be sent to the Environment Agency for their consideration and incorporation into the environmental permit.

APPENDIX 1

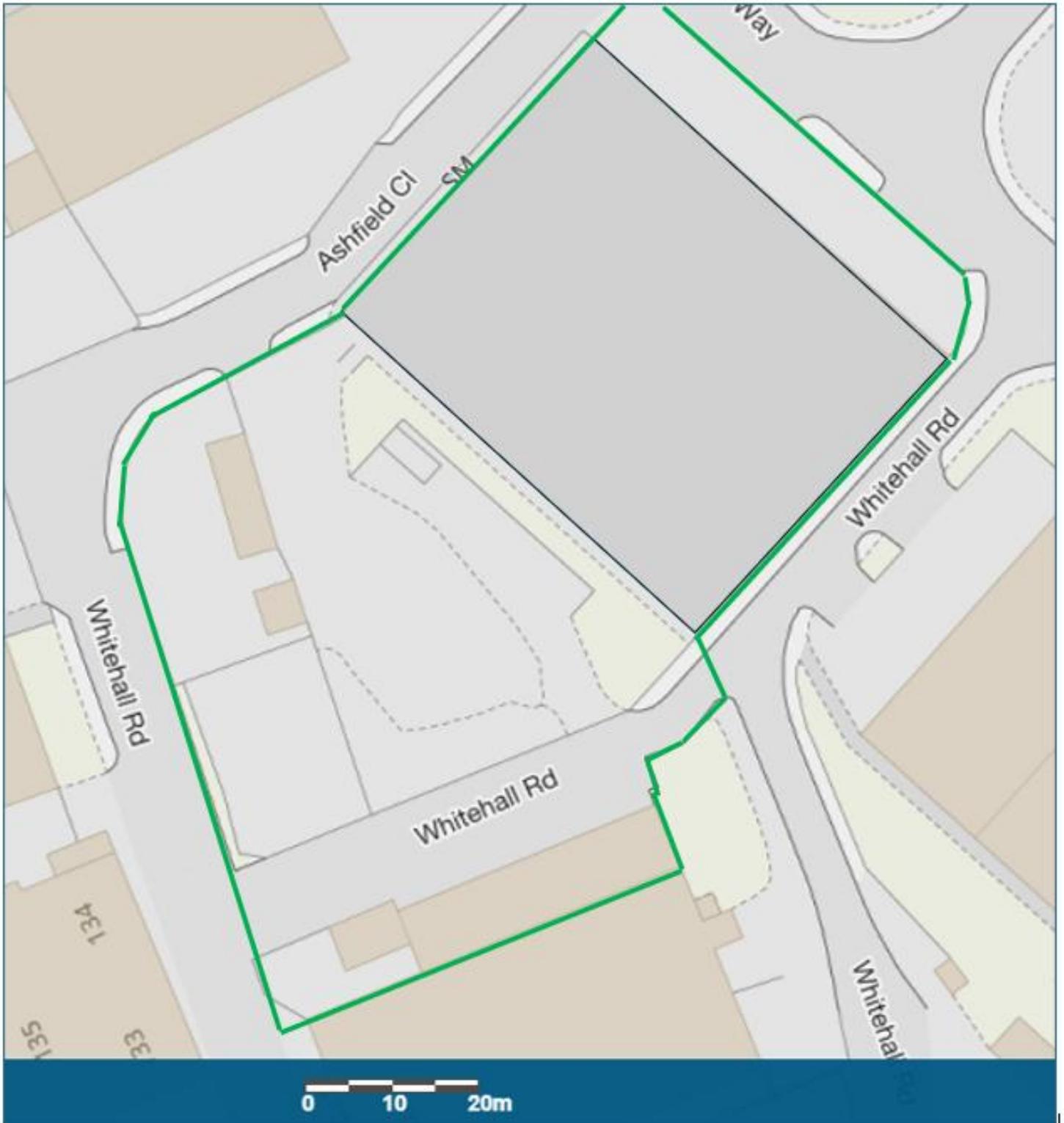
DRAWINGS

Drawing No. COD/EMS/01 - Site location map

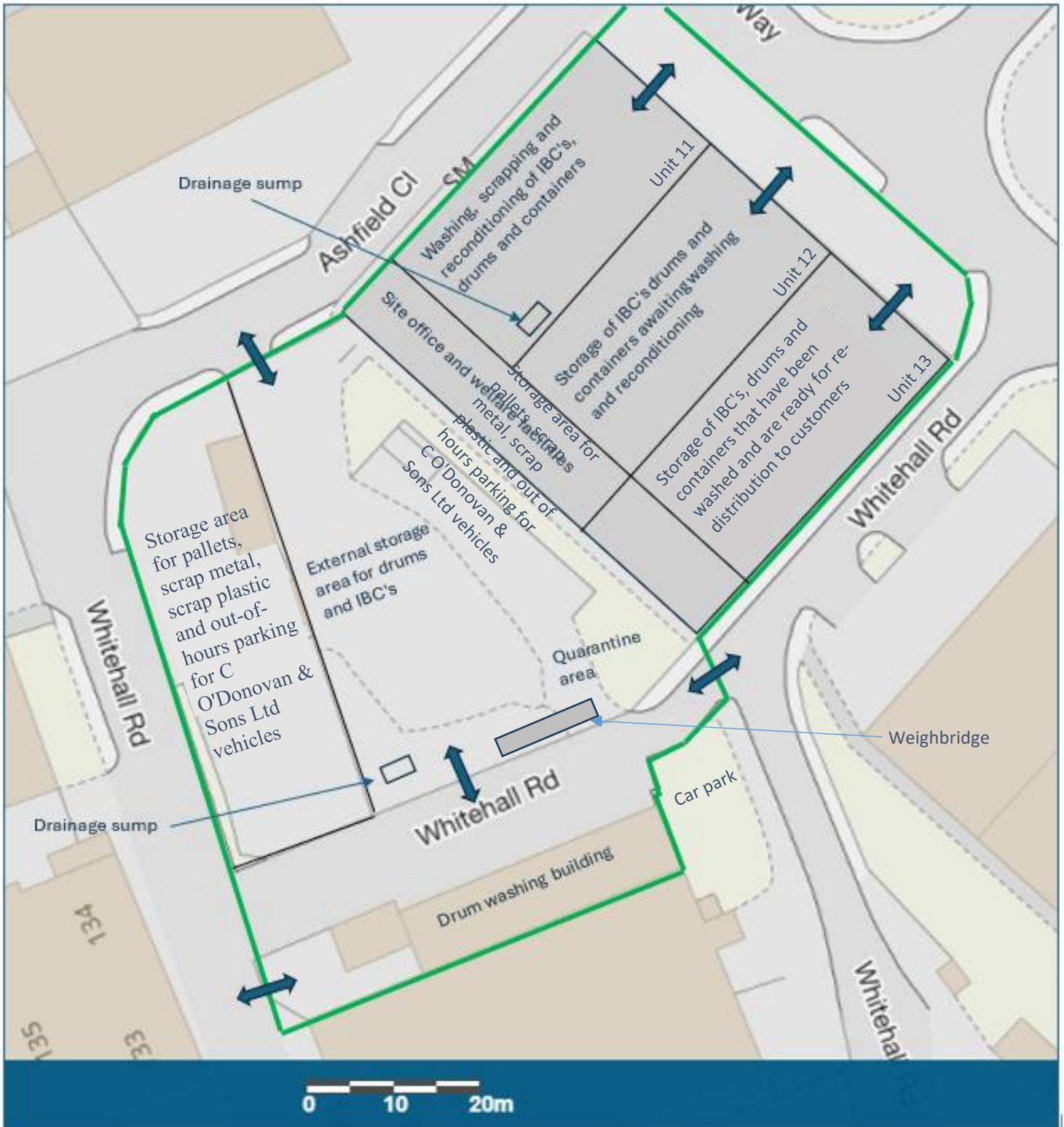


C O'Donovan & Sons Ltd, 11 – 13 Ashfield Way, Whitehall Industrial Estate, Leeds

Drawing No. COD/EMS/02 - Permit boundary plan



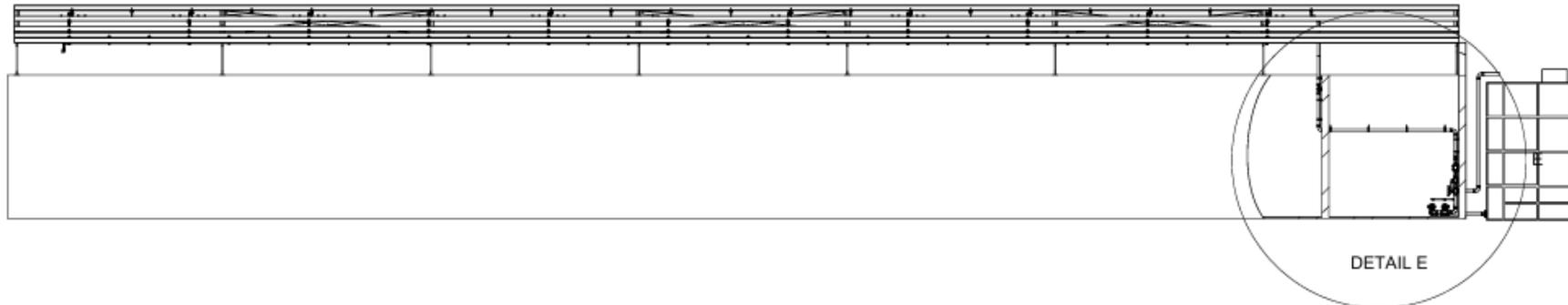
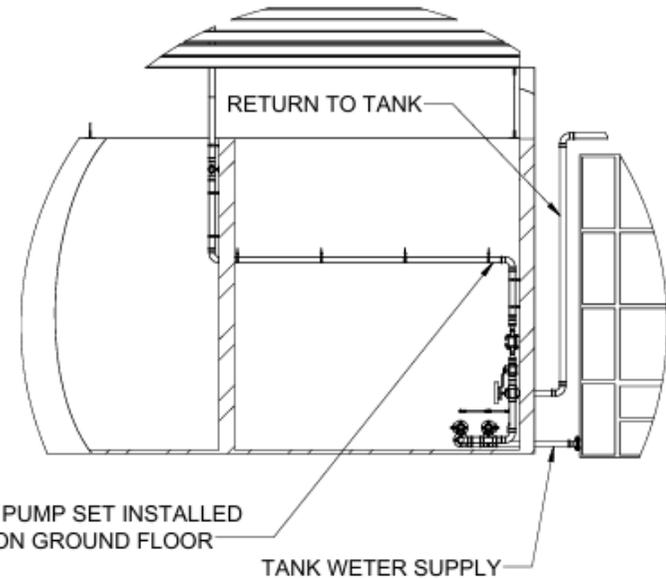
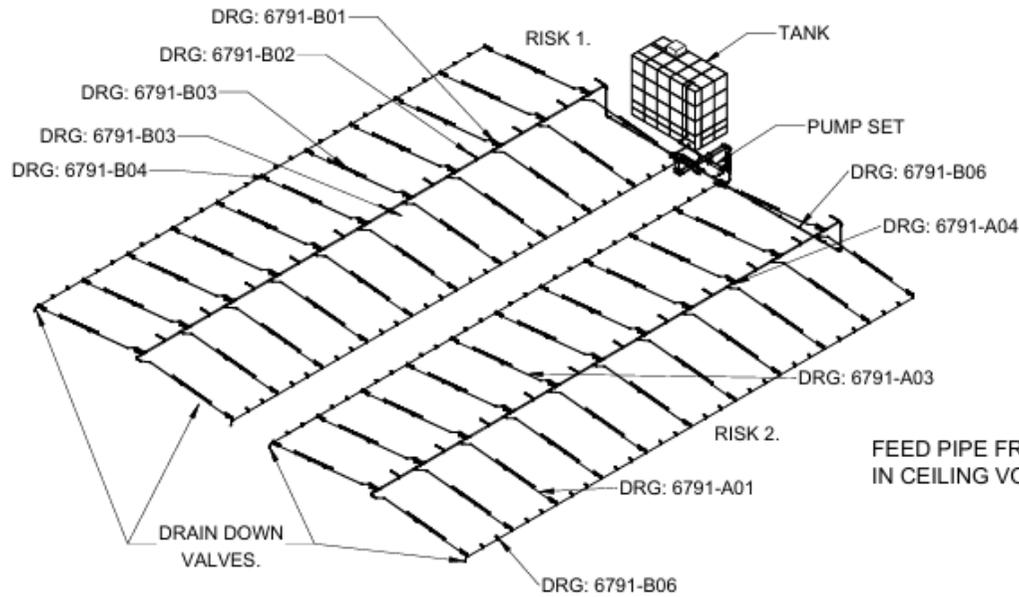
Drawing No. COD/EMS/03 - Site layout plan



APPENDIX 2

FIRE SUPPRESSION SYSTEM – UNITS 11 & 12

3rd ANGLE PROJECTION



14-15 TURING PARK
 POT ASH LANE
 HETHEL,
 NORFOLK,
 NR14 8QR.
 Office: 01953 856097
 EMAIL: office@xcellmisting.com
 WEB: www.xcellmisting.com

TOLERANCES UNLESS STATED OTHERWISE

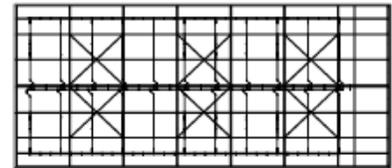
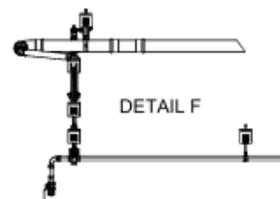
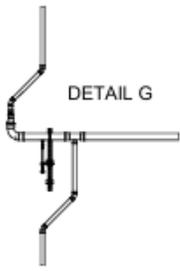
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 2 PLACES DECMLS. - +/- 0,05mm

MATERIAL: AS LISTED

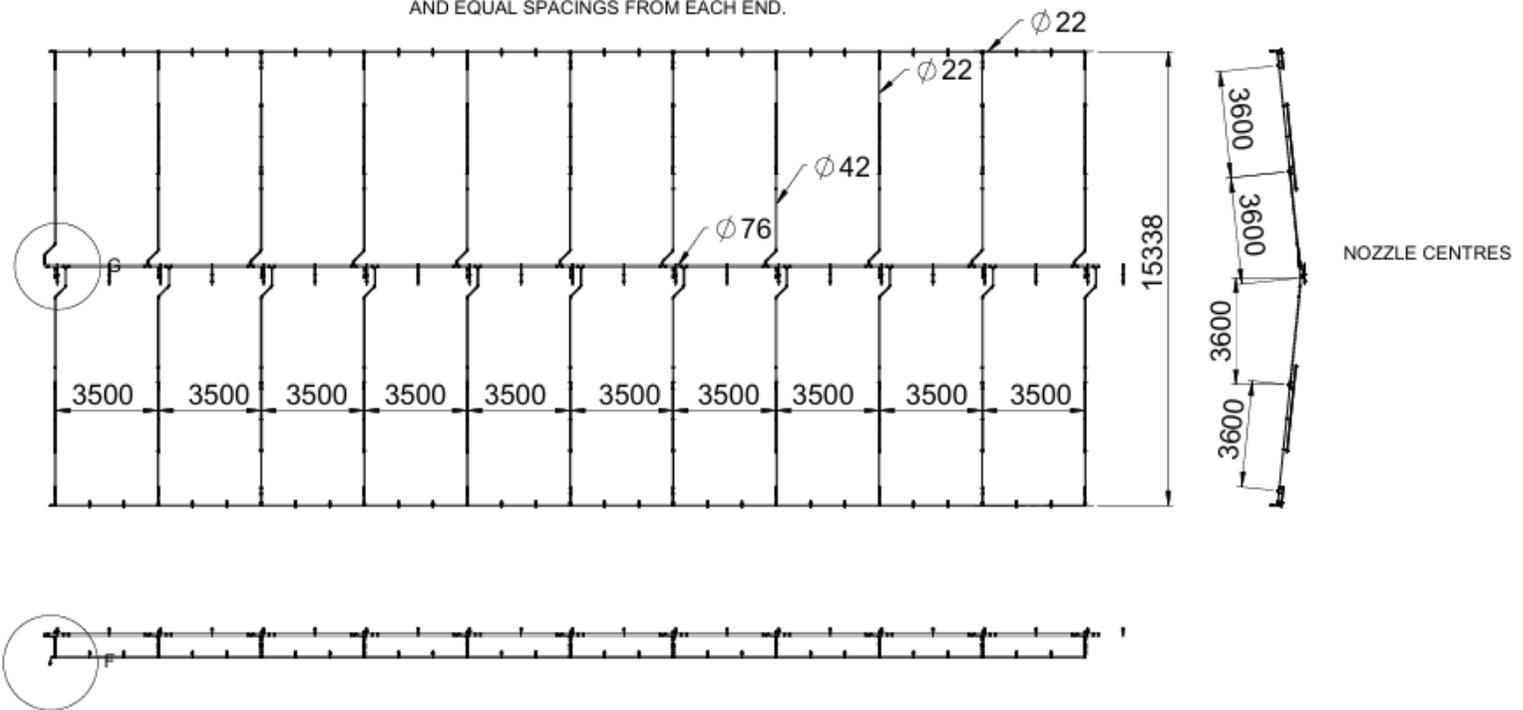
FINISH: TBA

ISS.NO.	AMENDMENT	DATE:
DRWN. BY: I.B.Orr	SCALE: N.T.S.	DATE: 23-1-2024
TITLE MAIN LAYOUT		
DRG NO. 6791-01	SHEET 1/3	REVISION A

3rd ANGLE PROJECTION



ALL DATUM ARE FROM CENTRE OF BUILDING
AND EQUAL SPACINGS FROM EACH END.



14-15 TURING PARK
POT ASH LANE
HETHEL,
NORFOLK,
NR14 8QR.
Office: 01953 856097
EMAIL: office@xcellmisting.com
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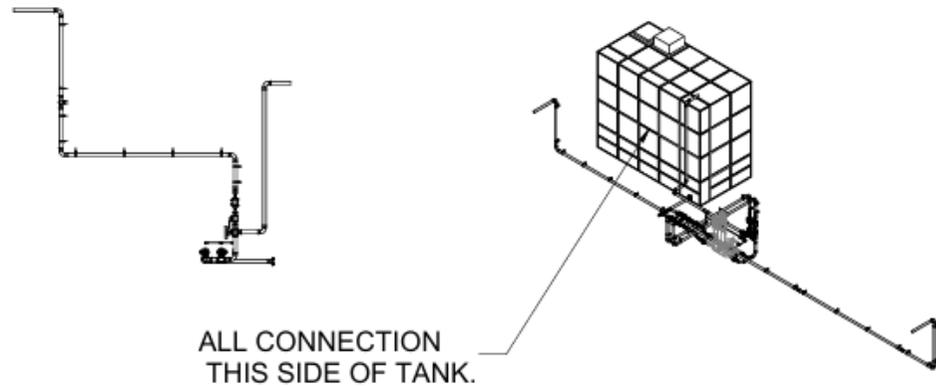
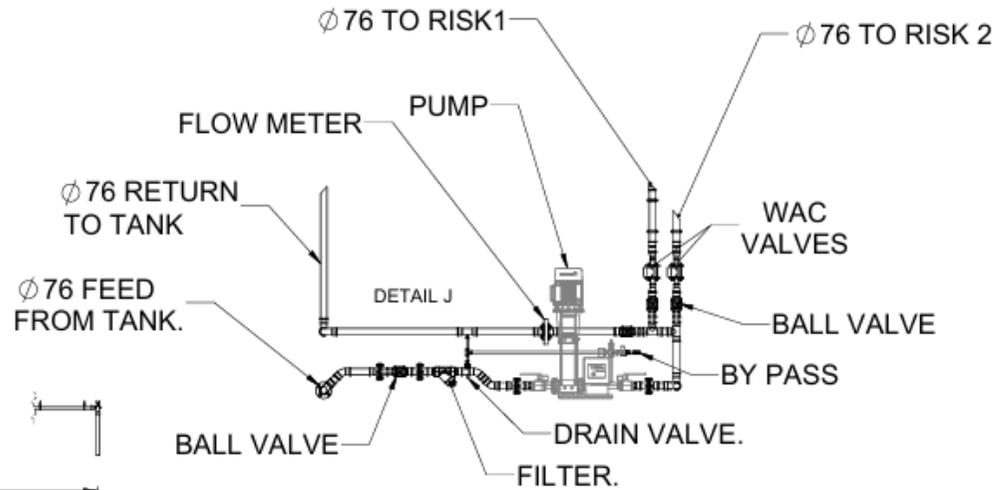
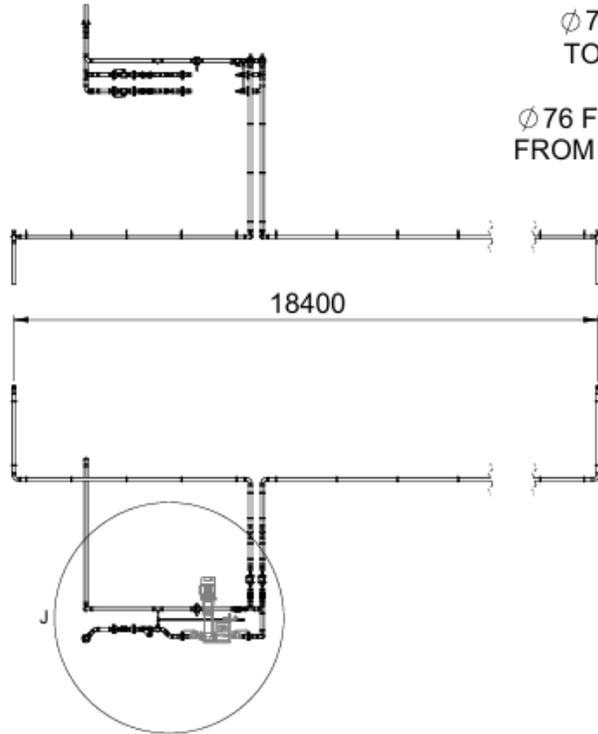
TOLERANCES UNLESS STATED OTHERWISE
NO DECIMALS - +/- 0,5mm
1 PLACE DECMLS. - +/- 0,1mm
2 PLACES DECMLS. - +/- 0,05mm

MATERIAL: AS LISTED

FINISH: TBA

ISS.NO.	AMENDMENT	DATE:
DRWN. BY: I.B.Orr	SCALE: N.T.S.	DATE: 23-1-2024
TITLE MAIN LAYOUT		
DRG NO. 6791-01	SHEET 2/3	REVISION A

3rd ANGLE PROJECTION



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MATERIAL: AS LISTED

FINISH: TBA

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TITLE MAIN LAYOUT		
DRG NO. 6791-01	SHEET 3/3	REVISION A

APPENDIX 3

TECHNICAL COMPETENCE CERTIFICATES

WAMITAB

Waste Management Industry Training and Advisory Board

Certificate No: 12756

CERTIFICATE OF TECHNICAL COMPETENCE

This Certificate confirms that

Douglas Morrison

*Has demonstrated the standard of technical competence required for the
management of a facility of the type set out below*

Facility Type

Level 4 in Waste Management Operations -

Managing Treatment Hazardous Waste (4TMI)

Authorising Signatures:

Chief Executive Officer

Director:

Date of issue:

13 September 2012



00019260

Continuing Competence Certificate

This certificate confirms that

Douglas Morrison

Has met the relevant requirements of the Continuing Competence scheme for the following award(s) which will remain current for two years from 11/06/2024

TSH	Transfer - Hazardous Waste
TMH	Treatment - Hazardous Waste
TMNH	Treatment - Non Hazardous Waste

Expiry Date:
11/06/2026

Verification date: 04/06/2024

Authorised:



Responsible Officer

Learner ID: 19821

Certificate No.: 5255017

Date of Issue: 11/06/2024



CIWM Chief Executive Officer



The Chartered Institution
of Wastes Management



APPENDIX 4

COMPLAINTS FORM

Customer Details

Customer Name -	
Address -	
Postcode -	
Customer Contact Details -	
Tel -	
Email -	
Date -	
Complaint Ref Number -	
Complaint Details -	

Investigation Details

Investigation carried out by -	
Position -	
Date & time investigation carried out -	
Weather conditions -	
Wind direction and speed -	
Investigation findings -	
Feedback given to Environment Agency and/or local authority -	
Date feedback given -	
Feedback given to public -	
Date feedback given -	

Review and Improve

Improvements needed to prevent a reoccurrence -	
Proposed date for completion of the improvements -	
Actual date for completion -	
If different insert reason for delay -	
Do any of the management plans need to be updated -	
Date that the management plan was updated -	

Closure

Site manager review date	
Site manager signature to confirm no further action required	

APPENDIX 5

CLIMATE CHANGE RISK ASSESSMENT

1. Introduction

- 1.1 This Climate Change Risk Assessment considers the potential and actual risks associated with the use of the site at Units 11 – 13, Ashfield Way, Whitehall Industrial Estate, Leeds, West Yorkshire, LS12 5JB as a drum reconditioning facility.
- 1.2 The site is operated by C O'Donovan & Sons Ltd in accordance with a fully comprehensive Environment Management System (EMS) and environmental permits regulated by the Environment Agency (EA).
- 1.3 All site staff will be made aware of the contents of this risk assessment and where it is located on site.
- 1.4 All risks identified in this document will be acted upon accordingly by site management to ensure all risks can be appropriately managed and controlled.
- 1.5 This document primarily considers future risks associated with climate change. This does not aim to provide detailed health and safety risk assessments as required separately through the necessary regulation.
- 1.6 Specified waste management operations include waste disposal and waste recovery operations listed in Annex IIA and IIB of the Waste Framework Directive 2008/98/EC and are listed in summary below:
 - R3 Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)
 - R4 Recycling/reclamation of metals and metal compounds
 - R5 Recycling/reclamation of other inorganic materials
 - R13 Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)
 - D14 Repackaging prior to submission to any of the operations numbered D1 to D13
 - D15 Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced)

2. Climate Change Risk Assessment Model

2.1 Fundamental Considerations

- 2.1.1 Hazard or situation: A property or situation that in particular circumstances could lead to harm.
- 2.1.2 Consequences: The adverse effects or harm as a result of realising a hazard which causes the quality of human health or the environment to be impaired in the short or long term.
- 2.1.3 Risk: A combination of the probability of occurrence of a defined hazard and the magnitude of the consequences of the occurrence.

2.3 Consequences

- 2.3.1 The following table highlights the consequences of the hazards identified and the abbreviations for each as used in the Risk Assessment Table in Section 3

Abbreviation	Consequences
A	Minor Injury
B	Major Injury
C	Death
D	Air Pollution
E	Water Pollution
F	Pollution of Land

2.4 Effects of Consequences

- 2.4.1 In order to quantify the level of risk and identify the appropriate management procedures, the potential effects must be considered, as outlined in the table below:

Abbreviation	Effect of Consequences	Management Required ?
S	Severe	In all cases
Mo	Moderate	In most cases
Mi	Mild	Occasionally
N	Negligible	No

- 2.4.2 Note 'Management' is the action required to reduce the risk of a hazard causing a problem on site. Contingency measures are procedures which are in place to reduce the consequences of a hazard.

2.5 Risk Estimation and Evaluation

- 2.5.1 The following table allows the likelihood of an occurrence of an identified risk to be assessed:

	Probability	Evaluation
1	Very likely	Could occur during any working day
2	Likely	Could occur regularly
3	Possible	Event possible
4	Unlikely	Event very unlikely

2.6 Risk Assessment Outcome

2.6.1 The following table shows the resultant risk of an identified hazard or potential situation. This uses the hierarchy of both probability and consequence to assess the level of risk. The level of risk determines what level of management would be required in order to reduce the risk of occurrence and/or scale.

	S	Mo	Mi	N
1	High	High	Medium	Low
2	High	Medium	Low	Near Zero
3	Medium	Low	Near Zero	N/A
4	Low	Near Zero	N/A	N/A

2.6.2 Where the risk assessment outcome is high, first-level management of the risk is essential, i.e. the removal of hazard, implementation of major infrastructure/structural design measures to contain the hazard and risk and company policy changes to incorporate the management of the risk. All risk management measures must be supplemented with detailed induction training, spot training and toolbox talks to ensure all site staff and users are made fully aware of the risk and hazard, all potential consequences and necessary management and contingency procedures.

2.6.3 Where the risk outcome is medium, the management of the risk should be tackled by management and delegates. If removal of the hazard is not possible, management will normally be met through implementing minor structural design measures or by imposing procedures for the prevention of occurrences which will be conveyed to all site staff through the appropriate training, including any contingency measures and procedures.

2.6.4 Where the risk assessment outcome is low, the management of the risk can be done wholly through appropriate training to site staff including any contingency measures and procedures.

2.6.5 Where the risk assessment outcome is near-zero, site staff should be made aware of the possibility of an occurrence and contingency measures should be readily available to all staff should they be required.

3. Risk Assessment Table

4.1 The following pages contain the site-specific risk assessment for the site with the appropriate remedial actions, recommendations and comments included for each identified hazard, potential contaminant or situation.

- 4.2 All situations which identify a risk from Low to High will be incorporated into the staff and visitor training and induction schedules where appropriate and acted upon as required.

Hazard or situation	Description	Impact	Consequences	Effect	Probability	Assessment outcome	Mitigation
Increase in maximum daily summer temperatures	This may be 7 degrees higher than today with the potential to reach 40 degrees C with increased regularity.	<p>Increased material reaction and fires</p> <p>Dry vegetation prone to fires</p> <p>Expansion and stress of pipework and plant</p> <p>Increased dust generation</p> <p>Increase in odours and pests.</p>	A, B, C, D, F	S	3	Med	<p>Heat sensitive materials kept under cover or within buildings.</p> <p>Suitable separation between waste piles.</p> <p>Staff vigilance.</p> <p>Regular maintenance and testing of firefighting equipment.</p> <p>Dust suppression</p> <p>Robust waste acceptance procedures.</p> <p>Rapid turnaround of material.</p>
Increase in maximum daily winter temperatures	This could be up to 4 degrees higher than present with the potential for more extreme temperatures both hotter and colder.	Increased risk of pipework freezing	A, B, F	Mo	3	Low	Insulation and the provision of trace heating for all exposed pipework.
Increase in daily extreme rainfall.	Daily rainfall could increase by up to 20% on today's levels	Potential for increased site surface water and flooding resulting in drainage systems and interceptors becoming overwhelmed.	A, B, E, F	Mo	3	Low	<p>Pumps to remove floodwater.</p> <p>Protection of electrical systems.</p> <p>Drainage systems inspected and maintained.</p> <p>Identification and risk assessment of equipment at greatest risk from flooding.</p>

Storms	Storms could see an increase in frequency and intensity with increased windspeed and rainfall.	Potential for damage to buildings. Lighter material could become windblown.	A, B, C, F	S	3	Med	Review the design off vulnerable structures. Maintain building integrity. Lighter material stored within the buildings or within covered structures in the yard area.
Sea level rise	Sea level could be up to 60cm higher than today.	Potential for increased flooding	A, B, C, E, F	N	4	N/A	The site is a considerable distance from the coast and mitigation for this eventuality is deemed unnecessary.
Drier summers	Summer could see 40% less rainfall than currently.	Increased reliance on mains water for dust suppression, cleaning and fire fighting Increase in dust emissions.	A, D, F	Mo	3	Low	Minimize water usage. Increased collection of rainwater. Regular site clearance Use of dust suppression system.
River flow	The flow in rivers could be 50% more than now at its peak and 80% less at its lowest.	Watercourse flows being too high to allow discharge from the site and site drainage backing up. Flooding	A, F	Mi	3	Near Zero	Check water courses to ensure discharges will flow. Pumps and containers on site to ensure backed up discharges can be dealt with.

Average winter rainfall increase	Winter rainfall may increase by up to 40% on today's values.	Potential for increased site surface water and flooding resulting in drainage systems and interceptors becoming overwhelmed.	A, B, E, F	Mo	3	Low	<p>Pumps to remove floodwater.</p> <p>Protection of electrical systems.</p> <p>Drainage systems inspected and maintained.</p> <p>Identification and risk assessment of equipment at greatest risk from flooding.</p>
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APPENDIX 6

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