WORKING PLAN FOR HOUSEHOLD, COMMERCIAL AND INDUSTRIAL WASTE TRANSFER STATION AT THORNCLIFFE TRANSFER STATION, ABERGELE

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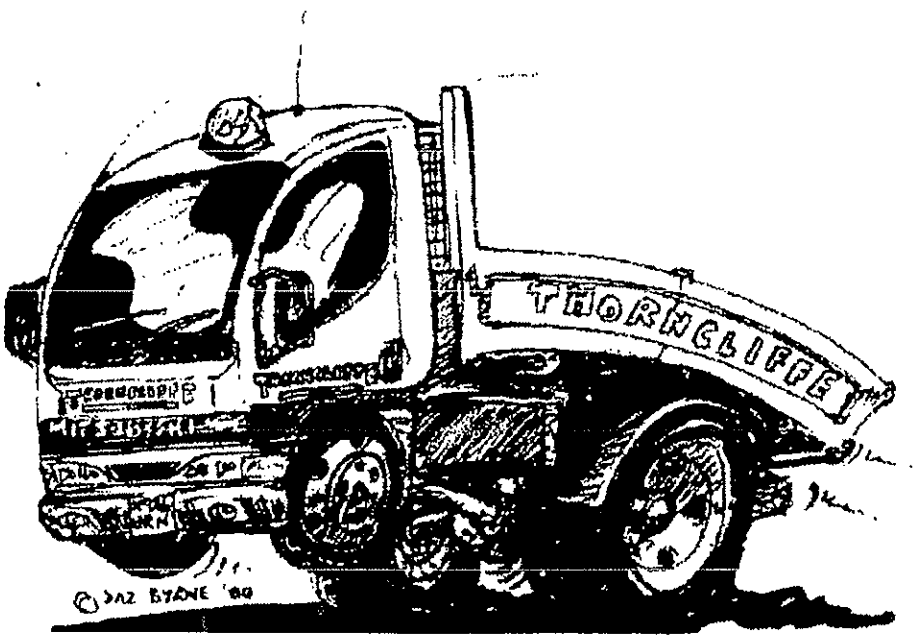

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INTRODUCTION

Thorncliffe Building Supplies Ltd. have been operating a transfer facility at the Abergele site for approximately 18 months having obtained the site from Windmill Ltd who held a waste management licence (number CBC/14/94) for the site. This licence is still in force and held by Windmill Ltd. As the licence was not transferred to Thorncliffe Building Supplies Ltd and as Thorncliffe now wish to improve and expand their operations to include an extended area of the site they wish to apply for a completely new waste management licence in their name.

The transfer station includes buildings designed to a modern standard incorporating segregated areas for waste storage and for bulking up of material for more cost effective and environmentally beneficial onward transportation for disposal or recycling. There are also yard areas for waste storage and treatment.

This new application is, therefore, for a larger area of the site compared to the previously licensed site. The Site Location Plan, reference number TBS/001, identifies the location of the site at Abergele while Drawing number 01 shows the proposed licensed area outlined in red with the land over which the applicant has control outlined in blue.

This working plan details the operation of the proposed facility and the Risk Assessment, Appendix 1, outlines the risks posed by the proposed operation and the measures it is proposed to implement to reduce those risks. The proposals for the transfer station ensure that the highest standards of operating practices exist to prevent pollution of the environment, harm to human health and detriment to the amenity of the locality.

WP1 GENERAL CONSIDERATIONS

1.1 Specified Waste Management Operations

1.1.1 The specified waste management operations, which are to be undertaken at the Thorncliffe transfer station, are storage of waste pending disposal or recovery (D15 and R13) and physical treatment of waste for recovery (R2, R3 and R 4) and the physical treatment of waste for disposal (D9) although no more than 50 tonnes of non hazardous waste per day will be treated for disposal and no more than 10 tonnes per day of hazardous waste will be subject to a disposal activity as defined in Annex IIA to Council Directive 75/442/EEC. The physical waste treatment consists only of sorting, crushing, screening and separation of waste into recyclable components and the bulking up of solid wastes for transportation for disposal or recycling. There will be no changes to the chemical composition of the wastes as a result of these treatment processes.

In the main manual sorting techniques will be employed to separate the waste. However, when appropriate, mechanical equipment may be used to separate and load waste. A crusher and screener may be used for demolition waste and soil recycling.

1.1.2 The waste operations will be undertaken within the area outlined in red on drawing number 01. More specific details are also given in this site layout plan. The waste will be accepted at the site from the Thorncliffe Building Supplies Ltd's own vehicle fleet and waste delivered by third parties. All waste transfer operations will be undertaken inside the waste transfer buildings or on external yard areas shown on drawing number 01 which are drained via silt traps and an interceptor to a discharge point.

1.1.3 Mixed waste will initially be deposited inside the transfer buildings in a designated area for waste deposit. The transfer buildings are constructed to a high modern standard. The main transfer building has reinforced concrete walls and floor to the specification and height detailed on drawing number CL594/003. The secondary building is steel framed and clad with a concrete floor laid to a standard which is fit for purpose and is designed to accept the loading of delivery vehicles and site plant used storage and treatment operations.

1.1.4 Once deposited the waste is sorted for recycling. Waste, which has been separated for recycling, may include wood, metal, paper, plastic or secondary aggregate depending upon the buoyancy of the recycling markets. Separated wastes for recycling will be stored in skips within the transfer buildings or within the external storage areas as shown on drawing no 01 .For example, once segregated wood waste, green waste and rubbles and soils may be moved to the external storage areas pending further treatment or transport off site.

1.1.5 Loads which consist of green waste only will be directed to the external green waste bay for storage prior to onward transportation, usually to a local composting facility. Loads of wood waste will be directed to the external waste wood storage area, again for bulking up and recycling when possible. Demolition type waste will be unloaded in the aggregate and soil treatment and storage area and will be crushed and/or screened if appropriate to produce secondary aggregates and soil products.

1.1.6 It is proposed that a number of hazardous waste types are accepted at the facility i.e. waste oil, lead/acid batteries, fridges, waste electrical equipment such as televisions, gas cylinders and bonded asbestos. Each of these waste

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types will have its own area for storage area within the concreted yard area of the site. — Identified on site plan.

1.1.7 The treatment operations which will be conducted at the site including sorting, screening and crushing and refrigerator degassing if this is necessary due to the condition of the refrigeration equipment.

1.1.6 Waste will be removed from the site by vehicles which will be loaded by loading shovel or other suitable equipment before transporting the waste off site.

1.2 Permitted Waste

1.2.1 The types of waste to be accepted at the site will consist of:

- Household and commercial waste
- Non-hazardous industrial waste
- Hazardous wastes consisting of waste oils, lead/acid batteries, refrigeration equipment, gas bottles and bonded asbestos
- Wastes from the construction industry.

More specifically the waste types accepted are detailed in Appendix 2 as defined under the European Waste Catalogue.

1.2.2 Certain wastes will be specifically excluded from acceptance at the transfer station. These will be:

- clinical wastes
- sludges
- wastes consisting solely of dust, powders or loose fibres

- drummed waste
- animal carcasses or fleshings.

1.2.3 The total quantity of waste stored at the site will be 100 tonnes of mixed waste, 1000 tonnes of unprocessed demolition waste and 40 tonnes of special waste.

The total quantity of waste accepted at the site per year will be less than 75,000 tonnes.

These figures do not include any waste which may be accepted at the site under any registered exemptions.

1.3 Hours of Operation

1.3.1 It is proposed that the opening hours for the transfer station will be as follows :

Monday to Friday	7.00 – 19.00
Saturday	7.00 – 19.00
Sunday	7.00 – 19.00

1.4 Staffing and Understanding Of Licence and Working Plan

The site is manned at all times when the site is open to receive or despatch waste or when any of the specified waste management activities are being undertaken by one of the site operators or by the site's Technically Competent person. The site manager will be Stephen Harper. The site manager and senior operatives are all experienced waste site operators who are suitably trained and

have a thorough understanding of the site's working plan and will be familiar with the requirements of the waste management licence.

1.4.2 All staff at the site involved with the transfer facility will have an understanding of the licence and working plan for the transfer area relevant to their position and responsibilities and will be under the supervision of the site management at all times when the site is in operation.

1.5 Technical Competence

Tim Harper, Director, has obtained his Certificate of Technical Competence at Level 4 for the Transfer of Non-Hazardous waste and Stephen Harper, Site Manager, is currently undertaking a COTC at Level 4 in the Transfer of Hazardous waste. If for any reason the certificate is not completed before the determination of the waste management licence application Thorncliffe Building Supplies Ltd will rely upon the transitional provisions in Regulation 4 of the Waste Management Regulations 1996 in order to satisfy Technical Competence.

Should the technically competent management of the site change at any time the Agency shall be notified in writing.

WP2 ENGINEERED SITE CONTAINMENT AND DRAINAGE SYSTEMS

2.1 Design

The engineered site containment systems and drainage have been designed to ensure that the use of the site as a waste transfer station does not give rise to pollution of the environment, harm to human health or loss of amenity to the locality. The site risk assessment (Appendix 1) identifies the hazards associated with the operation of the site and provides an assessment of the potential risks of the site with appropriate identification of mitigation measures.

The containment systems at the waste transfer facility consist of waste storage and containment systems in the form of transfer buildings, external yard area, externals storage bays, skips and cages and the waste oil storage tank.

Part of the yard is concreted and part, the new area of the site to the north of the existing transfer site, will be hardcored to the standards specified in drawing no CL594/003 and drawing no. 01 respectively.

The site drainage contains and controls the water run off from the site.

2.2 Site Drainage

The waste transfer facility is provided with a comprehensive drainage system comprising of drainage channels and gullies, leading to silt traps and a prefabricated oil/ water interceptor before final discharge in accordance with drawing no. 01. The floor of the transfer buildings consist of reinforced concrete. The floors are laid to fall to gullies which drain into the drainage

system. The fall on the floor of the transfer buildings, the concreted and hardcore yard areas ensure that any fluid or spillages within the transfer site will be contained within the site and will drain into the drainage channels and towards the gullies. (Spillages will be dealt with in accordance with Section 4.2 of the Working Plan).

The areas surrounding the transfer buildings will be used as vehicle routes into and out of the buildings, as storage areas for skips and for the processing and storage of demolition wastes, wood and green waste and for other wastes which are to be bulked up for onward transportation.

All unloading and physical waste treatment of wastes, other than demolition wastes and soils will therefore be undertaken either within the waste transfer buildings or on the concreted and drained areas of the site outside the buildings.

The hardcored area will only be used for the crushing and screening of soils and inert type demolition wastes. It should be noted that due to the nature of demolition waste small quantities of none inert materials such as wood and paper may be present. If these are found they will be immediately removed from the aggregate and soil treatment and storage area and placed in the appropriate storage area within the transfer buildings or within the concreted areas of the site.

In order to minimise the quantity of uncontaminated roof water run off entering the interceptor uncontaminated surface water from the roof area of the transfer buildings is segregated from contaminated surface runoff. The water is stored in a storage tank for damping down on site and overflows to a discharge point to the adjacent water course.

2.3 Waste Storage Systems

2.3.1 The waste storage areas on site will be within the transfer buildings and the areas outside on the yard. Mixed waste will only be deposited inside the transfer buildings.

The design of the transfer buildings allows almost complete containment of wastes during transfer and treatment operations. The main transfer building has been constructed in accordance with plan nos. CL594/003 and CL594/001. The main transfer building is constructed from reinforced concrete topped with steel cladding to the specification detailed on the above mentioned drawings. Waste within the main building will not be deposited above the height of the concrete walls.

The secondary building is not designed with push walls and will not therefore be used for the deposit of bulk loads of mixed waste. Solid waste may be stored within this building within skips or designated areas to enable sorting or bulking up for recycling and reuse.

Skips may be used for the storage of waste both inside and outside the transfer buildings. The skips used may be of varying size but will be of standard construction. Any skips containing mixed unsorted waste which are being held outside the transfer buildings will be keep sheeted.

Waste which has not been separated out into skips for recycling will be bulked up for onward transportation within vehicle trailers which will be loaded up from within the buildings. All vehicles trailers will be netted or sheeted before the vehicle leaves the site unless the waste does not require containment.

2.3.2 Waste oil stored at the site will be stored in a waste oil tank of 1250 litres capacity which will be bunded to 110% of the volume of the tank.

2.3.3 Lead/acid batteries accepted at the site will be separated and placed in a upright position in a sealed, acid and weatherproof container which will be stored either on the concreted yard area or within the transfer buildings. No more than 20 batteries will be stored at any one time.

2.3.4 Bonded asbestos will be accepted at the site and will be segregated and stored in a covered skip which will be stored outside the transfer buildings on the concreted and drained yard area. No more than one skip of asbestos will be stored at any one time.

2.3.5 Any gas bottles which are accepted at the site will be placed in a lockable cage. The gas bottles will be stored in an upright position. No more than 20 bottles will be stored at the site at any one time.

2.3.6 Fridges and waste electrical equipment will be stored in a designated area and no more than 100 units will be stored at any one time.

2.3.7 Electrical equipment will be stored in a designated area of the site and removed form site when there is an adequate load to make onward transportation economically viable.

2.4 Maintenance Procedures

2.4.1 The concreted areas and transfer buildings are inspected on a daily basis by one of the site operators and any defects identified which would allow the transmission of fluids through the concrete or would impair the effectiveness

of the buildings are repaired within 7 days. Any defects identified will be noted in the site diary within 24 hours of identification and repairs will be noted in the site diary within 24 hours of the repair being undertaken.

2.4.2 The interceptor/silt traps are inspected in accordance with manufacturers recommendations and after heavy rainfall by one of the site operators to ensure that their capacity is adequate to intercept all run off from the concreted area. If the interceptor/silt traps require emptying a suitably registered carrier will be contracted to remove the waste to a suitably licensed waste facility.

All maintenance of the interceptor/silt traps will be recorded in the site diary within 24 hours of the event occurring.

2.4.3 The floor of the transfer buildings and yard areas will be inspected daily by one of the site operators and cleaned as necessary.

2.4.4 The oil storage tank will be inspected weekly and, if stored outside, after rainfall to ensure that the capacity of the bund is maintained.

2.4.5 All inspections and actions taken will be recorded daily on the Inspection Checklist form or the site diary.

2.5 Construction Quality Assurance and Validation

2.5.1 Any new engineered site containment or drainage systems at the site will be constructed under Quality Assurance by a suitably qualified and experienced person. A Validation Report on the construction of the engineering will be submitted in writing to the Agency prior to waste being accepted to the newly constructed area.

WP3 SITE INFRASTRUCTURE

3.1 Site identification Board

A site identification board will be placed near the site entrance and will include the transfer station details as follows:

i) Site name and address
ii) Licence Holders trading name
iii) Licence number
iv) Emergency contact number
v) Statement that the site is licensed by the Environment Agency and the EA national contact numbers
vi) Site opening hours

3.2 Site Security

3.2.1 Design

The main area of the site i.e. all but the aggregate and soil treatment and storage area will be secured by 2m high palisade fencing, exterior buildings walling and site security gates. The aggregate and soil treatment area will be secured by stock proof fencing and a security gate between it and the rest of the site (see drawing no 01). In addition there is CCTV at the site.

The security gates are kept closed and locked when the site is unattended and every night.

3.2.2 Maintenance

The site security will be inspected on a daily basis and any defects which impair the effectiveness of the security will be repaired to the same or a better

standard within 7 working days. All repairs will be noted in the site diary within 24 hours of the event.

The security measures at the site are under constant review. If unauthorised access becomes apparent as a problem at the site the security measures will be reviewed and improvements implemented forthwith.

WP4 SITE OPERATIONS

4.1 Control of Mud and Debris

The site has concrete and hardcored surfacing and, therefore, the generation of mud is kept to a minimum. However to ensure that mud is not tracked onto the highway from the site all vehicles are checked by the driver before they leave the site to ensure that no excessive quantities of mud are on the vehicle wheels or chassis.

Before vehicles leave the site loaded with waste the load is secured and if necessary netted or sheeted to ensure that no waste is allowed to escape from the vehicle container.

If mud or debris is found to have been deposited on the highway from vehicles using the site the affected area will be cleaned using a road sweeper.

4.2 Potentially Polluting Leaks and Spillages

4.2.1 The vehicles and plant used for the specified waste management operations will be maintained as part of the overall maintenance of plant and vehicles within Thorncliffe Building Supplies Ltd operations. Maintenance will be to such a standard that the vehicles and plant are fit for purpose, and are maintained so as to minimise as far as is practicable any leaks and are capable of containing the waste materials within.

4.2.2 In the event that any unauthorised waste liquid or sludge waste are inadvertently accepted onto the site and result in a spillage there is a stockpile of sand maintained at the site which would be used to form a bund around the spillage to contain it. Any absorbent materials contaminated during the exercise would be stored in a waterproof container within the transfer buildings. The absorbents would then be removed by a registered contractor who would dispose of the waste at a suitably licensed waste facility within 5 working days of the spillage occurring unless otherwise agreed with the Agency.

4.2.3 Any spillage will be reported to the Environment Agency forthwith and noted in the site diary within 24 hours of the event occurring. The remedial actions would also be documented in the site diary within 24 hours of them occurring.

4.3 Fires on site

4.3.1 No fires will be allowed on any part of the transfer site.

4.3.2 In the event of an accidental fire on site fire fighting equipment is available on the transfer site and would be used if it was safe to do so. If necessary the fire service would be notified and the Environment Agency would be notified by telephone as soon as practicable.

4.4 Waste Acceptance and Control Procedures

4.4.1 Waste will be accepted at the site from the Thorncliffe Building Supplies Ltd's own vehicles and from third party operators. If waste is brought to the site from Thorncliffe Building Supplies Ltd's own vehicles, before loading the

skip at the source of the waste, the driver will make a visual check to ensure that no unauthorised waste is within the skip. If any such waste is identified the waste producer will be required to remove the waste material. On arrival at the transfer site the waste is visually inspected to ensure that it meets the description given on relevant transfer documents. The waste will then be deposited into the relevant unloading area. Again a visual inspection will be made to ensure that no unauthorised wastes have been accepted at the site.

4.4.2 Upon arrival at the site waste will either be directed to the transfer buildings for unloading or if the waste can go directly to one of the external storage areas for wood, green waste, demolition waste, fridges and electrical equipment, gas bottles, waste oil or asbestos it will be directed to the appropriate area for unloading. Waste once unloaded will be sorted and/or treated, if relevant, for recycling.

4.4.3 Biodegradable waste, excluding paper, cardboard, green waste and wood, will not be stored at the site for longer than 7 working days. Putrescible and odorous wastes will be removed from the site within 24 hours.

4.4.4 Other waste storage times will be constrained by the storage capacities set for the wastes ie :-

- Waste oil accepted at the site will be directed and stored in a 1250 litre waste oil tank.

- Lead/acid batteries accepted at the site will be separated and placed in a upright position in an acid and weatherproof container. No more than 20 batteries will be stored at any one time.

- Bonded asbestos will be accepted at the site and will be immediately segregated into a covered skip which will be stored outside the transfer buildings on the concreted and drained yard area. The asbestos will at all times be handled to ensure that there is minimal disturbance and breakage of the sheets. No more than one skip of asbestos shall be stored at any one time.

- Any gas bottles which are accepted at the site will be placed in a lockable cage. The gas bottles will be stored in an upright position. No more than 20 bottles will be stored at the site at any one time.

- Fridges will be stored in a clean condition with any foodstuffs removed if necessary. Measure shall be taken to prevent children being trapped inside any refrigeration units by either removal of the door or removal of the rubber door seal and taping the door shut. If a mechanical latch is fitted this will be removed prior to storage. Fridges will not be stored more than two high. Fridges will be checked upon arrival at the site and daily for damage or leaks. Those in a poor state of repair or with a significant risk of releasing CFCs will be de-gassed.

- No more than 20 tonnes of green waste will be stored at the site at any one time.

- No more than 60 tonnes of wood will be stored at the site at any one time.

4.4.5 Site records are kept of all waste entering the site. These records will be in paper or electronic form and will be kept at the site office for a minimum period of two years.

4.4.6 If any unauthorised waste is identified once the skip or vehicle has entered the site the unauthorised waste will be segregated and the waste producer contacted. Thorncliffe Building Supplies Ltd will then return the waste to the producer and notify the Agency within 24 hours of the waste arriving at the site. An 'Unauthorised Waste Form' will be used to document the return of the waste. If for any reason the waste cannot be returned to the waste producer it will be placed in a liquid retaining container within the transfer buildings. This waste will be removed from the site to a suitably licensed waste facility within 7 working days. If any of these unauthorised wastes are special wastes the Agency will be informed forthwith and a record of all unauthorised wastes received at the site will be recorded in the site diary within 24 hours of the event occurring.

4.4.7 Prior to the despatch of any wastes from the site they will be visually inspected and a record kept of all waste leaving the site. These records will be in paper or electronic form and will be kept at the site office for a minimum period of two years.

4.5 Waste Quantity Measurement Systems

4.5.1 The site is served by a weighbridge. The weighbridge is maintained and regularly inspected by the relevant regulating body. All vehicles bringing or taking waste from the transfer site will be weighed using this weighbridge. If the weighbridge is inoperative for any reason e.g. during maintenance then conversion factors supplied by the Agency will be used to estimate tonnages.

4.6 Storage of wastes

4.6.1 The non hazardous types of wastes accepted at the site do not in general require special storage arrangements. However, there may be circumstances when specific characteristics of the waste require special handling and storage. In addition, the hazardous wastes accepted usually require special storage arrangements. Therefore, if these types of waste are accepted at the site or due to storage or weather condition start to develop these characteristics then the follows steps will be taken:

Dusty/dry wastes

- Waste consisting solely of loose powder will not be accepted at the site
- Damping down with water will be undertaken in the case of dusty wastes.
- Particular care will be taken with bonded asbestos waste which will be stored in a segregated covered skip. If damage to the asbestos sheets occurs damping down of the sheets will be undertaken and appropriate containment methods such as wrapping in plastic will undertaken.

Odorous waste

- Waste of a particularly odorous nature will not be accepted at the site
- If any waste develops an unpleasant odour which could cause pollution of the environment or detriment of the amenity it will be removed from the site within 24 hours of the odour being apparent.

Solid wastes, which are likely to give rise to contaminated run off

- All such wastes are to be stored on an impermeable pavement within transfer buildings.

Combustible waste

- No flammable or highly flammable wastes (as defined by hazard codes H3-A and H3-B) will be accepted at the site (although empty gas bottles will be accepted at the site and stored in a lockable cage).
- All wastes such as paper and wood are to be stored on an impermeable pavement with drainage systems in place or within the transfer buildings

Waste likely to attract pests or scavengers

- Any wastes which are likely to attract pests or scavengers will be contained or removed from the site within 24 hours of their acceptance.

Windborne litter

- Light waste such as paper or plastic will be prevented from escaping from the site by being contained within the transfer buildings.
- Loads removed from the site will be sheeted or netted when appropriate.

4.7 Waste Treatment Processes

4.7.1 The waste treatment process which will be undertaken at the site are the physical sorting and treatment of waste for recovery. The physical waste treatment will consist only of sorting and separation of waste, screening and crushing of demolition wastes and soils and CFC degassing. Waste and recyclable components are bulking up for transportation for disposal or recycling and reuse. There will be no changes to the chemical composition of the wastes as a result of these treatment processes.

In the main manual sorting techniques will be employed to separate the waste however, when appropriate, mechanical equipment may be used to separate and load waste.

WP5 CONTROL, MONITORING AND REPORTING SYSTEMS

5.1.1 Control of Dust, Fibres and Particulates

The following prevention and control measures will be implemented to ensure that the emission of dust, fibres and particulates are minimised at the site boundary:

Measures	Specification	Requirements
Control of waste types	i) No waste consisting of dust or fine powders accepted at the site	As specified under working plan section 1.2.
Physical containment	i) Waste contained within buildings or skips	As specified under working plan section 4.6.1
Monitoring	i) Visual monitoring by site operator	Ongoing during daily operations.
Actions	i) Implement specified prevention and control measures - damping down of waste	As specified under working plan section 4.6.1

5.1.2 Control of Odours

The following prevention and control measures will be implemented to ensure that the odours are minimised at the site boundary:

Measures	Specification	Requirements
Control of waste types	i) No particularly odorous waste accepted at the site	As specified under working plan section 4.6.1
Physical containment	i) Within transfer buildings or skips	As specified under working plan section 4.6.1
Monitoring	i) Olfactory monitoring by site operator	Ongoing during daily operations.
Actions	i) Implement specified prevention and control measures	As specified under working plan section 4.6.1

5.1.3 Control of Noise

The following prevention and control measures will be implemented to ensure that the noise is minimised at the site boundary:

Measures	Specification	Requirements
Operational procedures	i) Silencers used on vehicles ii) Site opening hours	As specified in working plan section 1.3
Infrastructure	i) Much of the site operation is within buildings	Maintain buildings to design standards

	ii) Screening of receptors by buildings and remote location of site	
Monitoring	i) Any complains regarding noise will be investigated by site operator	Any complaints will be investigated by the site management immediately. Details of the complaint and remedial action will be noted in the site diary within 24 hours of the complaint being made.
Actions	i) Implement specified prevention and control measures	Any changes to ongoing operations will be implemented as necessary and working plan amended.

5.1.4 Monitoring and Control of Litter

The following prevention and control measures will be implemented to ensure that litter does not go beyond the site boundary:

Measures	**Specification**	**Requirements**
Operational procedures	i) Operations most likely to produce litter are conducted within transfer buildings	As specified under working plan section 4.6.1
Monitoring	i)The perimeter of the site will be inspected daily by site operator	Note of inspection made in site diary

Actions	i) Any waste which is found to have escaped the confines of the site will be collected and placed within transfer buildings before the end of the working day	Note of remedial action made in site diary

5.1.5 Monitoring and Control of Pests or Scavengers

The following prevention and control measures will be implemented to ensure that pest infestation does not occur and cause migration of pests outside the site boundary and that operations do not attract scavengers:

Measures	**Specification**	**Requirements**
Physical containment	i) Timescale for waste removal from site	As specified under working plan section 4.6.1
Monitoring	i)The site will be inspected daily by site operator	Note of inspection made in site diary
Actions	i) Suitable pest control contractors employed to deal with infestation should it occur or bird scaring measures will be investigated as appropriate.	Note of remedial action made in site diary

5.1.6 Any complaints received regarding the operation of the waste management facility will be investigated immediately by the site management and the Agency will be informed of the complaint and the remedial action to be taken forthwith.

WP6 SITE RECORDS

6.1 Records

Records as specified in the other sections of this working plan will be maintained in paper or electronic form at the Site Control Office. They will be maintained so as to prevent loss of data contained in the records.

The records will be made available upon request to Agency Officers.

Records will be submitted as required by the Agency on a quarterly basis.

6.2 Site Diary

A site diary will be maintained by the site management and will be kept at the Site Control Office. The diary will be in a paper or electronic format and will contain information as specified in other sections of this working plan.

APPENDIX 2 EWC PERMITTED WASTE LIST

Permitted Waste Categories	European Waste Catalogue Chapter
01 Wastes Resulting from Exploration, Mining, Quarrying and Physical and Chemical Treatment of Minerals	**01 01 Wastes from mineral excavations** 01 01 01 waste from mineral metalliferous excavations 01 01 02 waste from mineral non-metalliferous excavations **01 03 Wastes from physical and chemical processing of metalliferous minerals** 01 03 06 tailings other than mentioned in 01 03 04 and 01 03 05 01 03 09 red mud from alumina production other than wastes mentioned in 01 03 07 01 03 99 wastes not otherwise specified **01 04 Wastes from the physical and chemical processing of non metalliferous minerals** 01 04 08 waste gravel and crushed rocks other than those mentioned in 010407 01 04 09 waste sands and clays 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 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 04 99 wastes not otherwise specified **01 05 Drilling muds and other wastes** 01 05 04 freshwater drilling muds and wastes 01 05 07 barite-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06 01 05 08 chloride containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06 01 05 99 wastes not otherwise specified
02 Wastes from Agriculture, Horticulture, Aquaculture, Forestry, Hunting and Fishing, Food Preparation and Processing	**02 01 Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing** 02 01 03 plant tissue waste 02 01 04 waste plastics (except packaging) 02 01 07 waste from forestry 02 01 09 agrochemical waste other than those mentioned in 02 01 08 02 01 10 waste metal 02 01 99 wastes not otherwise specified **02 03 Wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tobacco preparation and processing** 02 03 02 wastes from preserving agents 02 03 03 wastes from solvent extraction 02 03 04 materials unsuitable for consumption or processing 02 03 99 wastes not otherwise specified **02 04 Wastes from sugar processing** 02 04 01 soil from the cleaning and washing of beet

APPENDIX 2 EWC PERMITTED WASTE LIST

Permitted Waste Categories	European Waste Catalogue Chapter
	02 04 02 off-specification calcium carbonate 02 04 99 wastes not otherwise specified 02 05 Wastes from the dairy products industry 02 05 01 materials unsuitable for consumption and processing 02 05 99 wastes not otherwise specified 02 06 Waste from the baking and confectionary industry 02 06 01 materials unsuitable for consumption or processing 02 06 02 wastes from preserving agents 02 06 99 wastes not otherwise specified 02 07 Wastes from the production of alcoholic and non alcoholic beverages (except coffee, tea and cocao) 02 07 01 waste from washing, cleaning and mechanical reduction of raw materials 02 07 02 waste from spirits distillation 02 07 03 wastes from chemical treatment 02 07 04 materials unsuitable for consumption or processing 02 07 99 wastes not otherwise specified
03 Wastes from Wood Processing and the Production of Panels and Furniture, Pulp, Paper and Cardboard	03 01 Wastes from wood processing and the production of panels and furniture 03 01 01 waste bark and cork 03 01 05 sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in 030104 03 01 99 wastes not otherwise specified 03 03 Wastes from pulp, paper and cardboard processing 03 03 01 waste bark and wood 03 03 08 wastes from sorting of paper and cardboard destined for recycling 03 03 99 wastes not otherwise specified
04 Wastes from the Leather, Fur and Textile Industries	04 01 Wastes from the leather, fur industry 04 01 02 liming waste 04 01 08 waste tanned leather (blue sheetings, shavings, cuttings, buffing dust) containing chromium 04 01 09 wastes from dressing and finishing 04 01 99 wastes not otherwise specified 04 02 Wastes from the textile industry 04 02 09 waste from composite materials (impregnated textile, elastomer, plastomer) 04 02 10 organic matter from natural products (for example grease, wax) 04 02 15 waste from finishing other than those mentioned in 04 02 14 04 02 17 dyestuffs and pigments other than those mentioned in 04 02 19 04 02 21 wastes from unprocessed textile fibres 04 02 22 wastes from processed textile fibres

APPENDIX 2 EWC PERMITTED WASTE LIST

Permitted Waste Categories	European Waste Catalogue Chapter
	04 02 99 wastes not otherwise specified
05 Wastes from Petroleum Refining, Natural Gas Purification and Pyrolytic Treatment of Coal	**05 01 Wastes from petroleum refining** 05 01 14 wastes from cooling columns 05 01 16 sulphur-containing wastes from petroleum desulphurisation 05 01 17 Bitumen 05 01 99 wastes not otherwise specified **05 06 Wastes from the pyrolytic treatment of coal** 05 06 04 waste from cooling columns 05 06 99 wastes not otherwise specified **05 07 Wastes from natural gas purification and transportation** 05 07 02 wastes containing sulphur 05 07 99 wastes not otherwise specified
06 Wastes from Inorganic Chemical Processes	**06 03 Wastes from the MFSU of salts and their solutions and metallic oxides** 06 03 14 solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13 06 03 99 wastes not otherwise specified **06 06 Wastes from the MFSU of sulphur chemicals, sulphur chemical processes and desulphurisation processes** 06 06 03 wastes containing sulphides other than those mentioned in 06 06 02 06 06 99 wastes not otherwise specified **06 09 Wastes from the MFSU of phosphorous chemicals and phosphorous chemical processes** 06 09 02 phosphorous slag 06 09 04 calcium-based reaction wastes other than those mentioned in 06 09 03 06 09 99 wastes not otherwise specified **06 11 Wastes from the manufacture of inorganic pigments and opacificiers** 06 11 01 calcium-based reaction wastes from titanium dioxide production 06 11 99 wastes not otherwise specified **06 13 Wastes from inorganic chemical processes not otherwise specified** 06 13 03 carbon black 06 13 99 wastes not otherwise specified

APPENDIX 2 EWC PERMITTED WASTE LIST

Permitted Waste Categories	European Waste Catalogue Chapter
07 Wastes from Organic Chemical Processes	07 02 Wastes from the MFSU of plastics, synthetic rubber and man made fibres 07 02 13 waste plastic 07 02 15 wastes from additives other than those mentioned in 07 02 14 07 02 17 waste containing silicones other than those mentioned in 07 02 16 07 02 99 wastes not otherwise specified 07 05 Wastes from the MFSU of pharmaceuticals 07 05 14 solid wastes other than those mentioned in 07 05 13 07 05 99 wastes not otherwise specified
08 Wastes from The Manufacture, Formulation, Supply and Use (MFSU) of Coatings (Paints, Varnishes and Vitreous Enamels), Adhesives, Sealants and Printing Inks	08 01 Wastes from MFSU and removal of paint and varnish 08 01 12 waste paint and varnish other than those mentioned in 08 01 11 08 01 18 wastes from paint or varnish removal other than those mentioned in 08 01 17 08 01 99 wastes not otherwise specified 08 02 Wastes from MFSU of other coatings (including ceramic materials) 08 02 01 waste coating powders 08 02 99 wastes not otherwise specified 08 03 Wastes from MFSU of printing inks 08 03 18 waste printing toner other than those mentioned in 08 03 17 08 03 99 wastes not otherwise specified 08 04 Wastes from MFSU of adhesives and sealants (including waterproofing products) 08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09 08 04 99 wastes not otherwise specified
09 Wastes from the Photographic Industry	09 01 wastes from the photographic industry 09 01 07 photographic film and paper containing silver or silver compounds 09 01 08 photographic film and paper free of silver or silver compounds 09 01 10 single use cameras without batteries 09 01 12 single use cameras containing batteries other than those mentioned in 09 01 11 09 01 99 wastes not otherwise specified

APPENDIX 2 EWC PERMITTED WASTE LIST

Permitted Waste Categories	European Waste Catalogue Chapter
10 Wastes from Thermal Processes	10 01 Wastes from power stations and other combustion plants (except 19) 10 01 02 coal fly ash 10 01 03 fly ash from peat and untreated wood 10 01 05 calcium based reaction wastes from flue gas desulphurisation in solid form 10 01 17 fly ash from co-incineration other than those mentioned in 10 01 16 10 01 19 wastes from gas cleaning other than those mentioned in 10 01 05, 10 01 07 and 10 01 18 10 01 24 sands from fluidised beds 10 01 25 wastes from fuel storage and preparation of coal fired plants 10 01 26 wastes from cooling water treatment 10 01 99 wastes not otherwise specified 10 02 Wastes from the iron and steel industry 10 02 01 wastes from the processing of slag 10 02 02 unprocessed slag 10 02 08 solid wastes from gas treatment other than those mentioned in 10 02 07 10 02 10 mill scales 10 02 12 wastes from cooling water treatment other than those mentioned in 10 02 11 10 02 99 wastes not otherwise specified 10 03 Wastes from aluminium thermal metallurgy 10 03 02 anode scraps 10 03 05 waste alumina 10 03 16 skimmings other than those mentioned in 10 03 15 10 03 18 carbon containing wastes from anode manufacture other than those mentioned in 10 03 17 10 03 24 solid wastes from gas treatment other than those mentioned in 10 03 23 10 03 28 wastes from cooling water treatment other than those mentioned in 10 03 27 10 03 30 wastes from treatment of salt slags and black drosses other than those mentioned in 10 03 29 10 03 99 wastes not otherwise specified 10 04 Wastes from lead thermal metallurgy 10 04 10 wastes from cooling water treatment other than those mentioned in 10 04 09 10 04 99 wastes not otherwise specified 10 05 Wastes from zinc thermal metallurgy 10 05 09 wastes from cooling water treatment other than those mentioned in 10 05 08 10 05 11 dross and skimmings other than those mentioned in 10 05 10 10 05 99 wastes not otherwise specified

APPENDIX 2 EWC PERMITTED WASTE LIST

Permitted Waste Categories	European Waste Catalogue Chapter
	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 10 wastes from cooling water treatment other than those mentioned in 10 06 09 10 06 99 wastes not otherwise specified **10 07 Wastes from silver, gold and platinum thermal metallurgy** 10 07 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 08 wastes from cooling water treatment other than those mentioned in 10 07 07 10 07 99 wastes not otherwise specified **10 08 Wastes from other non-ferrous thermal metallurgy** 10 08 09 other slags 10 08 11 dross and skimmings other than those mentioned in 10 08 10 10 08 13 carbon-containing wastes from anode manufacture 10 08 14 anode scrap 10 08 20 wastes from cooling water treatment other than those mentioned in 10 08 19 10 08 99 wastes not otherwise specified **10 09 Wastes from casting of ferrous pieces** 10 09 03 furnace slag 10 09 06 casting cores and moulds which have not undergone pouring other than those mentioned in 10 09 05 10 09 08 casting cores and moulds which have undergone pouring other than those mentioned in 10 09 07 10 09 12 other particulates other than those mentioned in 10 09 11 10 09 14 waste binders other than those mentioned in 10 09 13 10 09 16 waste crack-indicating agent other than those mentioned in 10 09 15 10 09 99 wastes not otherwise specified **10 10 Wastes from casting of non ferrous pieces** 10 10 03 furnace slag 10 01 06 casting cores and moulds which have not undergone pouring other than those mentioned in 10 10 05 10 10 08 casting cores and moulds which have undergone pouring other than those mentioned in 10 10 07 10 10 12 other particulates other than those mentioned in 10 10 11 10 10 14 waste binders other than those mentioned in 10 10 13 10 10 16 waste crack-indicating agent other than those mentioned in 10 10 15 10 10 99 wastes not otherwise specified

APPENDIX 2 EWC PERMITTED WASTE LIST

Permitted Waste Categories	European Waste Catalogue Chapter
	10 11 Wastes from manufacture of glass and glass products 10 11 03 waste glass-based fibrous materials 10 11 10 waste preparation mixture before thermal processing, other than those mentioned in 10 11 09 10 11 12 waste glass other than those mentioned in 10 11 11 10 11 16 solid wastes from flue-gas treatment other than those mentioned in 10 11 15 10 11 20 solid wastes from on-site effluent treatment other than those mentioned in 10 11 19 10 11 99 wastes not otherwise specified **10 12 Wastes from manufacture of ceramic goods, bricks, tiles and construction products** 10 12 01 waste preparation mixture before thermal processing 10 12 06 discarded moulds 10 12 08 waste ceramics, bricks, tiles and construction products (after thermal processing) 10 12 10 solid wastes from gas treatment other than those mentioned in 10 12 09 10 12 13 waste from glazing other than those mentioned in 10 12 11 10 12 99 wastes not otherwise specified **10 13 Waste from manufacture of cement, lime and plaster and articles and products made from them** 10 13 01 waste preparation mixture before thermal processing 10 13 04 wastes from calcinations and hydration of lime 10 13 06 particulates and dust (except 10 13 12 and 10 13 13) 10 13 11 wastes from asbestos-cement manufacture other than those mentioned in 10 13 09 10 13 11 waste from cement based composite materials other than those mentioned in 10 13 09 and 10 13 10 10 13 13 solid wastes from gas treatment other than those mentioned in 10 13 12 10 13 14 waste concrete and concrete sludge 10 13 99 wastes not otherwise specified
11 Waste from Chemical Surface Treatment and Coating of Metals and Other Materials; Non Ferrous Hydro Metallurgy	**11 02 Wastes from non-ferrous hydrometallurgical processes** 11 02 03 waste from the production of anodes for aqueous electrolytical processes 11 02 06 wastes from copper hydrometallurgical processes other than those mentioned in 11 02 05 11 02 99 wastes not otherwise specified 11 05 Wastes from hot galvanising processes 11 05 01 hard zinc 11 05 02 zinc ash 11 05 99 wastes not otherwise specified

APPENDIX 2 EWC PERMITTED WASTE LIST

Permitted Waste Categories	European Waste Catalogue Chapter
12 Wastes from Shaping and Physical and Mechanical Surface Treatment of Metals and Plastics	12 Wastes from shaping and physical and mechanical surface treatment of metals and plastics 12 01 01 ferrous metal filings and turnings 12 01 03 non-ferrous metal filings and turnings 12 01 04 non ferrous metal dust and particles 12 01 05 plastic shavings and turnings 12 01 13 welding wastes 12 01 17 waste blasting material other than those mentioned in 12 01 16 12 01 21 spent grinding bodies and grinding materials other than those mentioned in 12 01 20 12 01 99 wastes not otherwise specified
13 Oil Wastes and Wastes of liquid fuels (except edible oils and those in chapters 05,12 and 19)	13 Oil Wastes and Wastes of liquid fuels (except edible oils and those in chapters 05,12 and 19 13 01 waste hydraulic oils 13 01 09* mineral-based chlorinated hydraulic oils 13.01 10* mineral-based non-chlorinated hydraulic oils 13.01 11* synthetic hydraulic oils 13.01 12* readily biodegradable hydraulic oils 13.01 13* other hydraulic oils 13 02 waste engine, gear and lubricating oils 13.02 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
15 Waste Packaging; Absorbents, Wiping Cloths, Filter materials and Protective Clothing Not Other wise Specified (150110)	15 waste packaging; absorbants, wiping cloths, filter materials and protective clothing not otherwise specified 15 01 01 paper and cardboard packaging 15 01 02 plastic packaging 15 01 03 wooden packaging 15 01 04 metallic packaging 15 01 05 composite packaging 15 01 06 mixed packaging 15 01 07 glass packaging 15 01 09 textile packaging 15 02 Absorbents, filter materials, wiping cloths and protective clothing 15 02 03 absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02

APPENDIX 2 EWC PERMITTED WASTE LIST

Permitted Waste Categories	European Waste Catalogue Chapter
16 Waste Not Otherwise Specified in the List	**16 02 Wastes from electrical and electronic equipment** 16 02 11* discarded equipment containing chlorofluorocarbons, HCFC, HFC 16 02 14 discarded equipment other than those mentioned in 16 02 09 to 16 02 13 16 02 16 components removed from discarded equipment other than those mentioned in 16 02 15 **16 03 Off specification batches and unused products** 16 03 04 inorganic wastes other than those mentioned in 16 03 03 16 03 06 organic wastes other than those mentioned in 16 03 05 **16 05 Gases in pressure containers and discarded chemicals** 16 05 05 gases in presuure containers other than those mentioned in 16 05 04 16 05 09 discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08 **16 06 Batteries and accumulators** 16 06 04 alkaline batteries (except 16 06 03) 16 06 05 other batteries and accumulators **16 08 Spent catalysts** 16 08 01 spent catalysts containing gold, silver, rhenium, rhodium, palladium, iridium or platinum (except 16 08 07) 16 08 03 spent catalysts containing transition metals or transition metal compounds not otherwise specified **16 11 Waste linings and refractories** 16 11 02 carbon based linings and refractories from metallurgical processes other than those mentioned in 16 11 01 16 11 04 other linings and refractories from metallurgical processes other than those mentioned in 16 11 03 16 11 06 linings and refractories from non metallurgical processes 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 07 mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 170106 **17 02 Wood, glass and plastic** 17 02 01 wood 17 02 02 glass 17 02 03 plastic **17 03 Bituminous mixtures, coal tar and tarred products** 17 03 02 bituminous mixtures other than those mentioned in 17 03 01

APPENDIX 2 EWC PERMITTED WASTE LIST

Permitted Waste Categories	European Waste Catalogue Chapter
	17 04 Metals (including their alloys) 17 04 01 copper, bronze, brass 17 04 02 aluminium 17 04 03 lead 17 04 04 zinc 17 04 05 iron and steel 17 04 06 tin 17 04 07 mixed metals 17 04 11 cables other than those mentioned in 17 04 10 **17 05 Soil (including excavated soil from contaminated sites) stones and dredging spoil** 17 05 04 soil and stones other than those mentioned in 17 05 03 17 05 06 dredging spoil other than those mentioned in 17 05 05 17 05 08 track ballast other that those mentioned in 17 05 07 **17 06 Insulation materials and asbestos containing construction materials** 17 06 04 insulation materials other than those mentioned in 170601 and 170603 17 06 05* construction materials containing asbestos **17 08 Gypsum based construction materials** 17 08 02 gypsum based construction materials other than those mentioned in 170901 **17 09 Other construction and demolition wastes** 17 09 04 mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
19 Wastes from Waste Management Facilities, Off-Site waste Water Treatment Plants and Preparation of Water Intended for Human use	**19 01 Wastes from incineration or pyrolysis of waste** 19 01 02 ferrous materials removed from bottom ash 19 01 12 bottom ash and slag other than those mentioned in 19 01 11 19 01 14 fly ash other than those mentioned in 19 01 13 19 01 18 pyrolysis waste other than those mentioned in 19 01 17 19 01 19 sands from fluidised beds 19 01 99 wastes not otherwise specified **19 02 Waste from physico/ chemical treatments of waste (including dechromation, decyanidation, neutralisation)** 19 02 03 premixed wastes composed only of non-hazardous wastes 19 02 10 combustible wastes other than those mentioned in 19 02 08 and 19 02 09 19 02 99 wastes not otherwise specified **19 03 Stabilised/ solidified wastes** 19 03 05 stabilised wastes other than those mentioned in 19 03 04 19 03 07 solidified wastes other than those mentioned in 19 03 06

APPENDIX 2 EWC PERMITTED WASTE LIST

Permitted Waste Categories	European Waste Catalogue Chapter
	19 04 Vitrified waste and wastes from vitrification 19 04 01 vitrified waste **19 05 Wastes from aerobic treatment of solid wastes** 19 05 01 non composted fraction of municipal and similar wastes 19 05 02 non composted fraction of animal and vegetable wastes 19 05 03 off specification compost 10 05 99 wastes not otherwise specified **19 08 Waste from waste water treatment plants not otherwise specified** 19 08 01 screenings 19 08 02 waste from desanding **19 09 Waste from the preparation of water intended for human consumption of water or water for industrial use** 19 09 01 solid waste from primary filtration and screenings 19 09 04 spent activated carbon 19 09 05 saturated or spent ion exchange resins 19 09 99 wastes not otherwise specified **19 10 Wastes from shredding of metal containing wastes** 19 10 01 iron and steel waste 19 10 02 non-ferrous waste 19 10 06 other fractions other than those mentioned in 19 10 05 **19 12 Wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising)** 19 12 01 paper and cardboard 19 12 02 ferrous metal 19 12 03 non-ferrous metal 19 12 04 plastic and rubber 19 12 05 glass 19 12 07 wood other than that mentioned in 19 12 06 19 12 08 textiles 19 12 09 minerals (for example sand, stones) 19 12 10 combustible waste (refuse derived fuel) 19 12 12 other waste including mixtures of material from mechanical treatment of wastes other than those mentioned in 19 12 11 **19 13 Wastes from soil and groundwater remediation** 19 13 02 solid wastes from soil remediation other than those mentioned in 19 13 01
20 Municipal Wastes (Household Waste and Similar Commercial, Industrial and Institutional Wastes) including seperately	**20 01 Separately collected fractions** 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 23* discarded equipment containing chlorofluorocarbons

APPENDIX 2 EWC PERMITTED WASTE LIST

Permitted Waste Categories	European Waste Catalogue Chapter
	21 01 25 edible oil and fat 20 01 28 paint, inks, adhesives and resins other than those mentioned in 20 01 27 20 01 30 detergents other than those mentioned in 20 01 29 20 01 34 batteries and accumulators other than those mentioned in 20 01 33 20 01 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 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 01 99 other fractions not otherwise specified 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 waste 20 03 Other municipal waste 20 03 01 mixed municipal waste 20 03 02 waste from markets 20 03 03 street cleaning residues 20 03 07 bulky waste 20 03 99 municipal wastes not otherwise specified

	Exclusions
	No sludges No wastes consisting solely of dust, powders or loose fibres No drummed waste No clinical waste No animal carcasses or fleshings