

DEESIDE METAL CO LIMITED

DRAGON WORKS

WORKING PLAN

January 2004

FINAL COPY

DEESIDE METAL CO LIMITED
DRAGON WORKS
CHESTER ROAD
SALTNEY
CHESTER
CH4 8RW

Signed By:
Date :

- 2.5.2 Proposed Works
- 2.5.3 Inspection
- 2.5.4 Maintenance
- 2.6 Other Containers

(3)

Site Infrastructure:

- 3.1 Site Security
 - 3.1.1 Description
 - 3.1.2 Inspection
 - 3.1.3 Maintenance
- 3.2 Site Control Office
 - 3.2.1 Description
 - 3.2.2 Inspection
 - 3.2.3 Maintenance
- 3.3 Site Notice Board
 - 3.3.1 Description
 - 3.3.2 Inspection
 - 3.3.3 Maintenance

3.4 Lighting

- 3.4.1 Description
- 3.4.2 Inspection
- 3.4.3 Maintenance

3.5 Parking Provision

- 3.5.1 Description
- 3.5.2 Inspection
- 3.5.3 Maintenance

3.6 Plant and Machinery

- 3.6.1 Description
- 3.6.2 Inspection
- 3.6.3 Maintenance

(4)

Site Operations:

- 4.1 Control of Mud and Debris
 - 4.1.1 Site Operations

DRAWINGS

LA0009/P1 Licence Boundary

Plan 1 Location Plan

PR.SALTNEY.DMCL.03.01 Operational Layout Plan

APPENDICES

Permitted Waste Types

INTRODUCTION

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(ie. chipping, cutting or shredding) and size reduction by densification (ie. compaction and crushing), depending on waste type.

Maximum Capacity of Operations

End of Life Vehicles

1.7 The maximum permitted quantities for end of life vehicles will be 50 tonnes or 40 end of life vehicles.

1.8 The maximum permitted quantities for end of life vehicles containing neither liquids nor other hazardous components will be 25 tonnes or 30 number of end of life vehicles.

1.9 End of life vehicles stored within the yard area will not exceed 3.5 metres in height.

Metal Wastes

1.10 The maximum quantity of metal wastes to be stored in the site yard is 1500 tonnes.

1.11 Metal wastes will be typically being stored within the yard area and Building 1. Depending on site operations (such as the need for space) metal wastes may be stored in Building 2. Metal wastes stored within the yard area will not exceed 3.5 metres in height.

1.12 The maximum throughput of metal wastes will be as follows;

Heavy Ferrous Metals	500 tonnes per week
Light Ferrous Metals	100 tonnes per week
Copper	1 tonne per week
Brass	1 tonne per week
Aluminium	5 tonnes per week

1.13 Metal waste processing operations will be restricted to the following maximum weekly through-puts;

(i) Sorting	500 tonnes per week
(ii) Drum Crushing	20 tonnes per week
(iii) Flame Cutting	20 tonnes per week
(iv) Car Crushing	200 tonnes per week
(v) Bulking	500 tonnes per week

Non-Metal Wastes

1.14.1 The maximum volume of non-metal wastes to be stored on site will be 1700 cu metre or 1100 tonnes.

INTRODUCTION

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1. Site Manager and /or Company Director
2. Site Foreman
3. Office Clerk

1.5.2 At least two of the operatives listed in paragraph 1.5.1 will be on site whenever waste is being received, handled or removed.

1.5.3 Whenever the site is open to receive or despatch wastes, or is carrying out any of the specified waste management operations, it will be supervised by a member of staff who will be suitably trained and fully conversant with the requirements of the site licence and working plan with regards to;

- Waste acceptance and control procedures
- Operational controls
- Maintenance
- Record-keeping
- Emergency Action Plans
- Notifications to the Environment Agency

2.2.i Description

2.2.1.1 There is no surface water run off from the site, as due to its nature the site is free draining i.e. to soakaway. This point was clarified with the N.R.A. in 1992, as confirmed in the letter shown in Appendix 1, reference 3/EQ/PC/117/SFP.

2.2.1.2 Foul drainage from the office discharges to foul sewer.

2.2.2 Proposed Works

2.2.2.1 Where non-metal wastes are to be received and sorted a sealed drainage channel that will be constructed to drain any run-off to an underground storage tank. The location of this is shown on drawing PR.SALTNEY.DMCL.03.01. A sealed drainage channel will also be constructed in building 3 to drain away run-off to the underground storage tank.

2.2.2.2 The underground storage tanks to be provided will be impervious to the contents of the tanks and will contain, in the event of a leak, the contents of the tank without overflowing. The capacity of the tanks will be 5,000 litres. The location of the tanks are show on drawing PR.SALTNEY.DMCL.03.01.

2.2.3 Inspection

2.2.3.1 The sealed drainage system provided in accordance with paragraph 2.2.2.1 will be inspected weekly or annually in the case of the underground storage tank. A note of the inspection, including the results of the inspection, will be recorded in the Site Diary (refer to Section 6). The storage tank will also be inspected each working day to check the water level and emptied as specified in paragraph 4.2.1.2. (and after rain on a working day)

2.2.4 Maintenance

2.2.4.1 The sealed drainage system provided in accordance with paragraph 2.2.2.1 will be maintained in a good state of repair and free from blockages.

2.2.4.2 Any remedial works required as a result of the inspections will be undertaken as soon as practicably possible, but no longer than 7 working days, unless otherwise agreed with the Environment Agency. A record of the remedial works will be made in the Site Diary (refer to Section 6).

2.3 Covered Roofed Areas**2.3.1 Description**

2.3.1.1 The buildings within the licensed area that are operational are shown on drawing PR.SALTNEY.DMCL.03.01. These buildings have been numbered as Building 1 Building 2 and Building 3. Building 1 is used for the storage of reclaimed scrap metal. Building 2 will be used for the receipt and storage of non-metal wastes and possibly the

2.3.4 Maintenance

2.3.4.1 The roofs will be maintained in a good state of repair to prevent precipitation to leak into the building. Any bays will be maintained to a standard which is fit for purpose. Lighting will be maintained to provide sufficient illumination as specified in paragraph 2.3.2.3

2.3.4.2 Any remedial works required as a result of the inspections will be undertaken as soon as practicably possible but no longer than 20 working days, unless otherwise agreed with the Environment Agency. A record of the remedial works will be made in the Site Diary (refer to Section 6).

2.4 Fuel Tanks

2.4.1 Description

2.4.1.1 Fuel oil and gas oil will be stored in bunded oil tanks, located as shown in drawing PR.SALTNEY.DMCL.03.01. The bunds will be capable of containing over 110% of the contents of the tanks. All fill and drain pipes will be located within the bunds where possible.

2.4.2 Proposed Works

There are no proposed works.

2.4.3 Inspection

2.4.3.1 The fuel tanks will be visually inspected each working day for any leaks or damage. A record, including the results, of the inspection will be made in the Site Diary (refer to Section 6).

2.4.4 Maintenance

2.4.4.1 The fuel tanks will be maintained in a good state of repair to minimise the potential for leaks. The bunds will be emptied to maintain a capacity of 110% of the volume of the largest tank.

2.4.4.2 Any remedial works required to the tanks as a result of the inspections will be undertaken as soon as practicably possible but no longer as 7 working days, unless otherwise agreed with the Environment Agency. A record of the remedial works will be made in the Site Diary (refer to Section 6). Rainwater will be removed by bailing or pumping and shall be removed off site to a suitable licensed facility or poured into the underground storage tank or other sealed container (within one of the site buildings) prior to removal off site to a suitable licensed facility.

SITE ENGINEERING FOR POLLUTION PREVENTION AND CONTROL **2**

2.6.3 Steel Stillages for Tyres

2.6.4 Steel Sealed Stillage for Batteries

SITE INFRASTRUCTURE

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3.2.1.2 The office is a brick building and is equipped with telephone, electricity, mess and mains drainage facilities. Site records will be maintained in the office (refer to Section 6).

3.2.2 Inspection

3.2.2.1 The office will be inspected monthly. A record of the inspection, including results, will be made in the Site Diary (refer to Section 6).

3.2.3 Maintenance

3.2.3.1 The site office will be kept in a good state of repair.

3.2.3.2 Any remedial works required as a result of the inspections will be repaired as soon as reasonably practicable but no later than 14 days; unless otherwise agreed with the Environment Agency. A record of the remedial action will be made in the Site Diary (refer to Section 6).

3.3 Site Notice board

3.3.1 Description

3.3.1.1 The Site Notice Board is adjacent to the entrance gate. Its location is shown on drawing PR.SALTNEY.DMCL.03.01.

3.3.1.2 The Notice board is constructed of 6' x 3' galvanised steel sheets with wooden surrounds and painted yellow with black wording displaying the following information;

- Name of facility
- Name of licence holder
- Telephone number of licence holder and site
- Hours of opening for receipt of wastes
- Waste Management Licence number
- Address of the Environment Agency
- Telephone number of the Environment Agency

3.3.2 Inspection

3.3.2.1 The notice board will be checked weekly. A record of the inspection, including the results, will be made in the Site Diary (refer to Section 6)

3.3.3 Maintenance

3.3.3.1 The notice board will be maintained in a clearly legible condition.

SITE INFRASTRUCTURE

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3.6.1 Description

3.6.1.1 The following plant is provided at the site;

- 1 Atlas 1804 Crane
- 1 Lefort Mobile Bailer
- 1 Power Screen
- 1 Caterpillar Excavator
- 2 Fork Lift Trucks

3.6.1.2 Additional mobile plant, such as a crusher or shredder, may be employed to the site from time to time depending on operational requirements (refer to Section 4).

3.6.2 Inspection

3.6.2.1 Plant will be inspected on the day of use.

3.6.3 Maintenance

3.6.3.1 Plant will be maintained in accordance with manufacturer's recommendations.

3.6.3.2 Any breakdowns and action taken (such as the repair of the plant or employment of replacement plant) will be recorded in the Site Diary (refer to Section 6).

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SITE OPERATIONS

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- 4) Any spillages of solid wastes will be dealt with by manually (or mechanically) placing it back into its designated reception area, storage area, processing area or container, as appropriate.
- 5) Supervising loading and unloading of skips, drums and other containers, ensuring that lids, caps, bungs or other closures are in place.
- 6) Supervising the filling and emptying of tanks, drums and other containers, ensuring that lids, caps, bungs or other closures are in place, that they are not filled beyond their operational capacity by measuring the remaining level before loading.

4.2.2 Inspections

4.2.2.1 The site surface, storage skips fuel tanks and other containers will be inspected as specified in paragraphs 2.1.3, 2.5.3 and 2.4.3, respectively.

4.2.2.2 The level of water in the underground storage tank (recorded in centimetres from the tank opening to the water level) will be monitored. A record of the level will be made in the Site Diary (refer to Section 6) each working day.

4.3 Fires on Site

4.3.1 Site Operations

4.3.1.1 No waste material will be burnt on site. Fires which can cause smoke and smells are not allowed on site, other than burning during cutting or welding.

4.3.1.2 If there is a fire on site it will be treated as an emergency and the company procedures will be followed. These are kept in the site office. The Environment Agency will be informed of any such incident immediately and a record made in the Site Diary (refer to Section 6).

4.3.1.3 Appropriate fire fighting equipment is available in the site office and will be also be within the operations/buildings.

4.3.2 Inspections

4.3.2.2 No inspections required.

4.4 Waste Acceptance Procedures

4.4.1 Waste Reception

4.4.1.1 Metal wastes received at the site will be unloaded and stored in the yard area pending inspection. Some metal wastes will be stored in Building 1 or 2. End of life vehicles will be stored as indicated on drawing PR.SALTNEY.DMCL.03.01 Loads are unloaded using the crane.

SITE OPERATIONS

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4.5.1.1 After inspection all metal wastes will be stored in the yard area pending processing or despatch from the site. Some metals may be stored in Building 1 or 2. Refer to paragraph 1.3.

4.5.1.2 After inspection consignments of non-metal wastes will be sorted and stored in the designated storage areas within Building 2 or the yard. Some wastes may be stored in skips. Refer to paragraph 1.3.

4.5.2 Storage of Wastes

4.5.2.1 The designated storage areas are shown on drawing PR.SALTNEY.DMCL.03.01. These will be clearly identified on site by appropriate signs or markers.

4.5.2.2 Wastes will either be stored directly on the ground or in skips. The maximum storage capacities for wastes are detailed in Paragraph 1.3.

4.6 Waste Quantity Measurement System

4.6.1 Waste quantities accepted and/or despatched from the site will be measured at the weighbridge shown on drawing PR.SALTNEY.DMCL.03.01.

4.6.2 The weighbridge serves as a Public Weighbridge and is regularly maintained and calibrated.

4.7 Plant, Equipment and Procedures

4.7.1 Separation and Sorting of Wastes

4.7.1.1 Metal wastes will typically be sorted (by mechanical means) in the yard area using the crane. The sorted materials will be stored as referenced in paragraph 1.4.

4.7.1.2 Non-metal wastes will typically be sorted manually to separate the recyclable fractions of the waste. This will be carried out in Building 2 within the area designated for waste reception (see paragraph 1.3). The crane may be used to help spread and move the wastes, depending on operational requirements.

4.7.1.3 Putrescible / food or non-conforming wastes will be stored in the designated storage skip pending removal from site, as referred to in paragraphs 1.3, 2.5 and 4.4.3.1)

4.7.2 Size Reduction and Separation by Cutting.

SITE OPERATIONS

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- e Components or materials labelled or otherwise made identifiable in accordance with Article 4(2) of Directive 2000/53/EC have been removed.

4.7.4.3 End of life vehicles shall not be subjected to any further permitted treatment operations until depolluted in accordance with condition 4.8.4.1 above.

4.8.5 Handling and/or Storage of Residual wastes

4.8.5.1 All fluids drained from end of life vehicles will be segregated by type (e.g. fuel, motor oil, gearbox oil etc) and stored in separate , appropriate tanks which are fit for purpose. The tanks will be clearly and unambiguously labelled regarding their contents.

4.8.5.2 Fluids shall only be stored in areas provided with an impermeable pavement and sealed drainage system as indicated on drawing PR.SALTNEY.DMCL.03.01

4.8.5.3 Batteries, oil filters, oil contaminated parts, PCB/PCT containing condensers, components identified as containing mercury and brake pads containing asbestos, once removed from the vehicles, will be segregated by type and stored in dedicated appropriate containers which are fit for purpose. The containers will be clearly and unambiguously labelled. These components will only be stored in designated storage areas as indicated on drawing PR.SALTNEY.DMCL.03.01.

4.8.5.4 Lead acid batteries will be stored in containers with an impermeable, acid resistant base and a lid to prevent ingress of surface water.

4.8.5.5 Tyres, air bags and liquefied gas tanks once removed from vehicles these wastes will be stored in separately designated areas as indicated on drawing PR.SALTNEY.DMCL.03.01.

4.8.5.6 Tyres will be stored in stable stacks no greater than 50 cubic metres and no higher than 3 metre. Stacks will not be stored within 6-10 metres of each other. Stacks will not be stored within 15 metres of the site boundary or buildings. Tyre stacks will not be located within 10 metres of flame cutting operations.

4.8.5.7 Uncontaminated plastic, glass and non-ferrous wastes arising from the end of life vehicles will be stored in areas as indicated on drawing PR.SALTNEY.DMCL.03.01

4.9 Maintenance

4.9.1 All plant will be maintained in accordance with the manufacturer's recommendations (refer to Section 3.6).

6. Inspecting the green waste each working day to ensure it is not becoming odorous. If it does become odorous it will either be turned to introduce oxygen and thus prevent it going anaerobic, processed or removed from site.

5.2.2 The site will be inspected twice each working day for odours. This will be done by smell by the Site Manager or nominated deputy. A record of the inspection, together with the results, will be made in the Site Diary (refer to Section 6). The inspection will take place down wind (where possible) and at the site boundary.

5.2.3 If an odour is detected at such levels that is likely to cause pollution of the environment harm to human health or serious detriment to the amenity of the locality off site the source of the odour will be investigated and action taken to stop it. If the odour cannot be stopped the waste causing the odour will be removed from the site to a suitably licensed facility as soon as practicably possible. The Environment Agency will be informed immediately of the incident and actions taken. This would be recorded in the Site Diary (refer to section 6)

5.3 Control of Pests

5.3.1 The site will be inspected weekly for pests, such as, vermin and flies. A record of the inspection, together with the results, will be made in the Site Diary (refer to Section 6).

5.3.2 If the results of the inspection identify any pests a specialist company will be employed to investigate and deal with any infestations. A record of any action taken will be made in the Site Diary (refer to Section 6).

5.4 Control of Scavenging Birds and Other Scavengers

5.4.1 The potential for birds and other scavengers to access the wastes is restricted by the proposal to receive non-metal wastes within Building 2. Furthermore, once the waste has been sorted any putrescible wastes and any non-conforming wastes will be stored in a skip within the building pending removal from site.

5.4.2 The site will be inspected daily for the presence of scavenging birds and other scavengers. A record of the inspection, together with the results, will be made in the Site Diary (refer to Section 6).

5.4.3 If any scavenging birds and other scavengers are identified measures will be taken to further prevent access to the wastes, for example, by covering any skips.

5.5 Control of Litter

SITE RECORDS

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6.1 Security and Availability of Records

6.1.1 The following records will be kept in the site office;

1. Wastes accepted
2. Wastes rejected
3. Wastes despatched
4. Site Diary

6.1.2 Records will be available for inspection by Officers of the Environment Agency during normal operational hours. They will be maintained and kept secure from loss, damage or deterioration on paper in a secure cabinet or cupboard or a computer disk with back up copy, and kept for a minimum of 2 years

6.1.3 A copy of the licence and working plan will also be kept in the office.

6.2 Records of Waste Movements

6.2.1 Waste Acceptance

6.2.2 The following record will be made for all consignments of waste accepted at the site:

- Date
- Time
- Waste Type
- Weight in Tonnes (excluding end of life vehicle consignments)
- Vehicle Registration Number
- Waste Carrier
- Duty of Care Transfer Note Number
- Number of vehicles, vehicle type and status (for end of life vehicles only)

6.2.3 The above record will be kept in the site office. Vehicle status refers to whether the vehicle is depolluted or requires depollution.

6.3 Waste Despatch and Recording

Inspection of Wastes for Despatch

6.3.1 The waste type will be determined by visually inspecting the contents of the skip during loading.

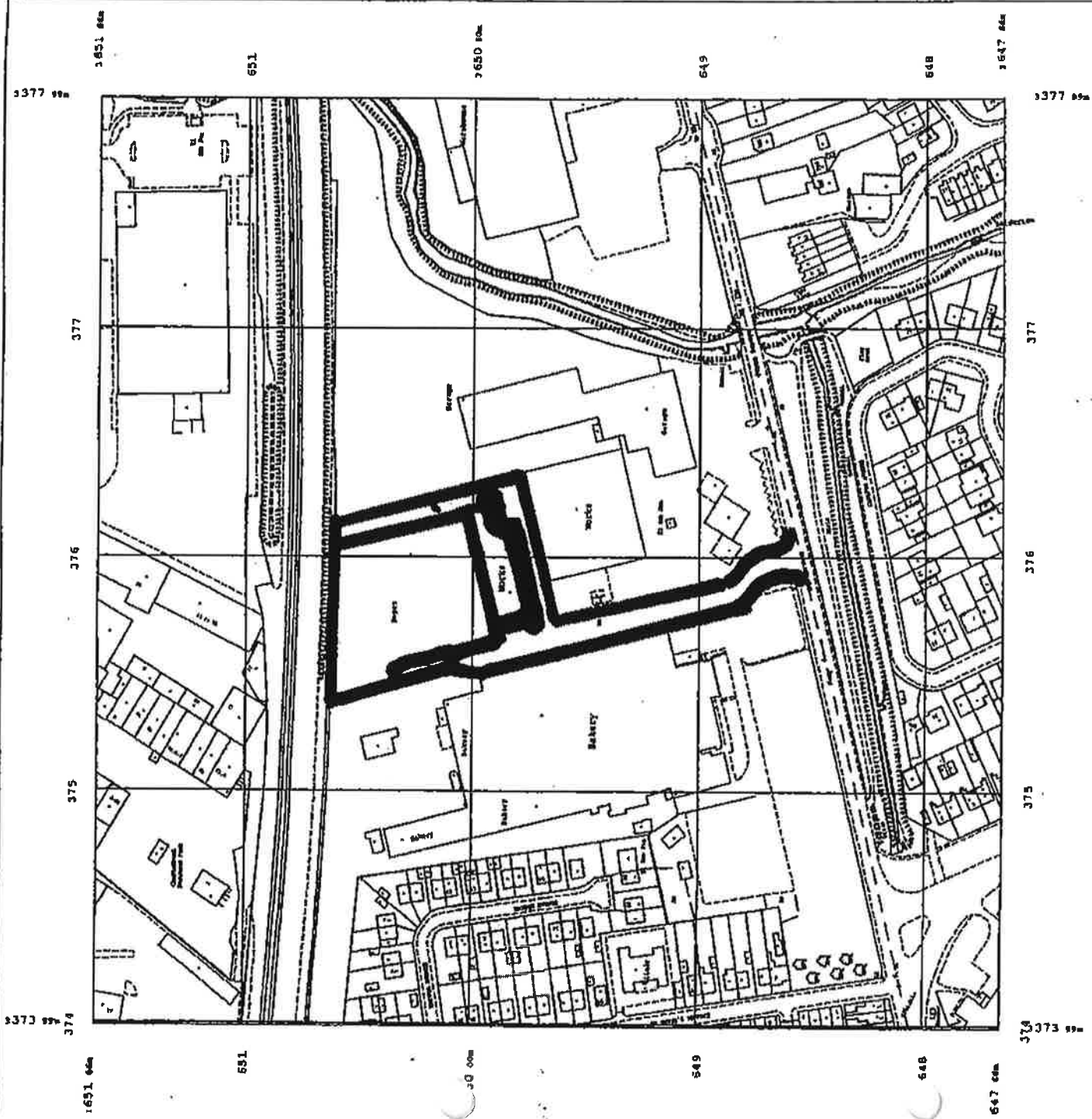
Waste Despatch and Recording.

APPENDIX

Units in waste storage	Permitted Waste Categories	Maximum Permitted Quantities	Maximum Permitted Storage Times
	16 06 01 Lead Batteries		1. Months
	16 06 05 other batteries & accumulators		1. Months
	16 01 07 oil filters		TBA Months
	16 01 06 components containing PCBs		TBA Months
	16 01 14 hazardous components (other than those mentioned in 16 01 11 and 16 01 13 and 16 01 14		
	16 01 08 components containing mercury		
	16 01 11 brake pads containing asbestos 16 01 12 brake pads other than those mentioned in 16 01 11		1. Months
	16 01 03 end-of-life tyres		1 Months
	16 01 10 explosive components (for example air bags)		ASAP Months
	16 01 16 tanks for liquefied gas		TBA Months
	13 01 09 Mineral based chlorinated hydraulic oils		1 Months
	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 04 Mineral based chlorinated engine, gear and lubricating oils		1 Months
	13 02 05 Mineral based non-chlorinated hydraulic 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		1 Months
	13 07 01 Fuel oil and petrol		
	13 07 02 Petrol		
	13 07 03 Other fuels		Months
	14 06 01 Chlorofluorocarbons, HCFC, HFC		TBA
	14 06 02 Other halogenated solvents and solvent mixtures		TBA Months
	14 06 03 Other solvents and solvent mixtures		TBA Months
	16 01 13 Brake fluids		
	16 01 14 Antifreeze fluids containing dangerous substances		
	16 01 15 Antifreeze fluids other than those mentioned in 16 01 14		
	16 01 22 Components not otherwise specified		TBA Months
	16 01 17 Ferrous Metal		
	16 01 18 Non-ferrous metal		1 months
	16 01 19 Plastic		
	16 01 20 Glass		

APPENDIX

EWC	Description	Material
	Gypsum-based construction material	
	Gypsum-based construction materials other than those mentioned in 17 08 01	12.11 0
	Other construction and demolition wastes	
	Mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03	12.13 0



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