TerraConsult

January 2016
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PARRY'S QUARRY WASTE TRANSFER STATION

BESPOKE ENVIRONMENTAL PERMIT APPLICATION

TECHNICAL STANDARDS

Prepared for
Parry's Landfill Ltd

PARRY'S QUARRY WASTE TRANSFER STATION

BESPOKE ENVIRONMENTAL PERMIT APPLICATION

Technical Standards

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DOCUMENT INFORMATION AND CONTROL SHEET

Document Status and Approval Schedule

Report No.	Title
2661/R/002/1	Parry's Quarry Waste Transfer Station Technical Standards

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			Checked By P. Roberts		08/01/2016
			Approved By M. Nicholson	Mark Nicholson	11/01/2016

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bsi. ISO 9001 Quality Management FS573193

bsi. ISO 14001 Environmental Management EMS573194

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1 INTRODUCTION

1.1 General

1.1.1 This permit application is being submitted in parallel with a permit application for a Landfill Installation (document ref. 2434-R01) which together will form a multi-operator permit installation comprising the following activities:

Activity	Operator
Landfill Installation for disposal of non-hazardous and stable non-reactive hazardous wastes	RJS Civil Engineering Limited
Waste transfer station for non-hazardous wastes	Parry's Landfill Limited

1.1.2 The two activities are to be located at Parry's Quarry Landfill and will form one permit installation as shown on 2434/1/004A. Wastes for the landfill site will be delivered to the waste transfer station prior to being transferred for disposal to the landfill.

1.1.3 The Waste Transfer Station (WTS) will be operated by Parry's Landfill Ltd (PLL) and will accept non-hazardous waste for storage and bulking in preparation for deposition to landfill. The facility will process all non-hazardous waste brought to site for disposal to landfill and will accept an estimated 325,000 tonnes of waste per annum, with an anticipated maximum of 400,000 tonnes per annum. This equates to an average of 1040 tonnes per day (assuming a 6 day working week). However due to the dynamic nature of waste inputs and exports from the WTS, it is unlikely that this amount of waste will be present on site at any one time.

1.1.4 The WTS will utilise the existing site gate, access roads and weighbridge office which will service the future landfill site (see drawing ref. 2661/1/002). Subject to planning permission, an additional vehicular access road from Pinfold Lane will be constructed at a point approximately 250 metres north of the existing access (300 m north of the junction with the A494 Mold Road). It is proposed that the new access would be used by all heavy goods movements to and from the site (for both quarry and waste management activities). The existing access road will be closed to HGVs but retained for use by cars and light vehicles travelling to the WTS. Waste loads will be weighed and recorded at the new weighbridge (operated by PLL) before being directed to and the offloading bay at the WTS.

1.1.5 The proposed facility complies with the majority of the restrictions described under Standard Rules SR2015 No4_75kte (Household, Commercial and Industrial Waste Transfer Station). However, as the site is situated less than 250 m from a Site of Special Scientific Interest and the tonnage to be accepted at the site exceeds the Standard Rules limit, a bespoke Permit application is required. The area to be covered by the Environmental Permit is outlined in green on drawing referenced 2661/1/002.

1.2 Supporting Documentation

Table 1 – Application Documents

Reference	Title	Description
2661/R/001/1	Non-Technical Summary	A summary of the proposed activities using non-technical language
2661/R/002/1	Technical Standards	Details of proposed site operations, process locations and engineering
2661/R/003/1	H1 Environmental Risk Assessment	An assessment of the environmental risks posed by the activities.
2661/R/004/1	Site Condition Report	Details of the condition of the land on which the site is to be situated
2661/R/005/1	Fire Management Plan	Details of the risk of fire and the mitigating actions to be taken against its occurrence.
2661/R/003/ Appendix A/1	Odour Management Plan	Details of the mitigating actions to be carried out against nuisance odours.

1.3 Site Location

1.3.1 The planned WTS location is approximately 1.2 km to the south of Northop Hall, 1.6 km west of Ewloe and 1.2 km north of Buckley at a National Grid Reference of SJ27545 66297. The general location is shown on TerraConsult drawing referenced 2434/1/002 in the accompanying Technical Standards document. Access to the site is via Pinfold Lane, an unclassified road running adjacent to the site from the A494 trunk road. The surrounding area is predominantly rural, comprising arable farmland and woodland. Parry's Landfill Ltd (PLL) proposes to operate the Waste Transfer Station (WTS) within the permitted future landfill boundary in the southwestern corner (see drawing referenced 2434/1/002).

1.4 Proposed Development

1.4.1 All waste transfer activities at the WTS will be carried out inside a 60 m x 40 m split level building occupying an overall area of 2400 m^2 (see drawing ref. 2661/1/002). The building will contain a 30 m x 30 m reception area divided into 5 lanes for waste delivery vehicles, and a 30 m x 30 m waste bulking area for deposit and storage of waste, which will be enclosed by a 0.7 m high concrete bund. The northern side of the building will consist of a 10 m wide ramp leading to a 10 m wide, 6 m deep loading bay, where bulked waste will be loaded into a dedicated site vehicle for disposal to landfill.

2 GENERAL MAINTENANCE

2.1 Plant / Equipment

2.1.1 Mobile plant and equipment on site are likely to constitute wheeled loading shovels. All site based mobile plant and equipment will be serviced and maintained in accordance with the manufacturers' recommended maintenance schedules.

2.1.2 In the event of plant or equipment experiencing significant downtime, replacement hire plant will be mobilised for the remaining duration of the downtime. Additional information on operational contingency actions are contained in the H1 Environmental Risk Assessment documents that support this application.

2.2 Site Surfacing / Infrastructure

2.2.1 All areas of hardstanding and concrete surfaces will be visually inspected at least monthly to ensure continuing integrity and fitness for purpose with the inspection and any necessary maintenance required being recorded.

2.2.2 An overview of the proposed drainage system for the site is provided in Section 8 of this report.

3 INCIDENTS AND NON-CONFORMANCES

3.1 Mud-Debris

3.1.1 A sealed impermeable road connects the WTS to the site access that will minimise the risk of mud being generated. The floor of the WTS will consist of sealed, impermeable concrete with sealed effluent storage tanks. The site will be kept clean and tidy in all areas. In addition, drivers will be instructed to avoid tracking over previously deposited waste to avoid mud/debris being tracked off site.

3.1.2 All areas of concrete surface and the public highway adjacent to the site entrance will be visually checked daily for mud and/or debris and will be cleared as required. Collected materials will be taken to the untreated waste storage area if suitable or appropriately disposed of off-site.

3.1.3 Should it become apparent that debris and/or mud have been tracked onto the public highway, sweeping of the relevant areas, including the public highway, will be undertaken as soon as practicable. A road sweeper will be utilised if required.

3.2 Spills & Leaks

3.2.1 Refuelling and fuel storage facilities are located outside the permitted boundary and will be shared by site plant operating within the existing quarry and future landfill activities.

3.2.2 In the unlikely event of a leak or spillage from on-site plant, the following procedure will be undertaken:

- The cause of the spillage will be identified and recorded so that further leaks or spillages may be prevented.
- Remedial actions may include one or more of following:
  - Bunding of the spilled material with sand or spill kit
  - The application of absorbent granules
  - Suction to remove spilled material to secure container
  - Sweeping to allow collection of the materials and their placement in a secure container.
- Absorbent granules will be kept on site at all times for the purpose of dealing with liquid spills. Contaminated granules will be loaded into an appropriate container for removal to an appropriate permitted waste management facility as soon as practicable following containment of the spill.
- Details of the spilled material and estimated quantity involved and remedial actions taken will be recorded.

3.3 Fires

3.3.1 In the highly unlikely event that an ignited load arrives at the site, the waste will be stored in a designated quarantine area away from other potentially combustible materials until it can be extinguished with firefighting equipment (see drawing ref. 2661/1/002). The waste will be visually monitored from a safe distance and the Fire Brigade and Natural Resources Wales (NRW) will be immediately informed.

3.4 Information & Records

3.4.1 A notice board will be displayed near the site entrance. Displayed information will include: the company name, emergency contact details, the site Environmental Permit number and NRW contact details. All complaints received and subsequent action undertaken will be recorded in accordance with the Site Management System (SMS).

3.4.2 A copy of the approved Environmental Permit, this Technical Standards document and all other relevant supporting documentation will be held on-site for immediate reference when required by all site staff conducting work under the requirements of the Permit.

3.4.3 Records will also be made of: Emergencies (such as fire or major infrastructure problems); problems with waste received and rejected loads; site inspections; damage to site security provision; weather conditions; monitoring; and actions instigated; maintenance of site pollution prevention equipment (such as interceptors); and complaints.

3.5 Accident Management Plan

3.5.1 Incidents and non-conformities are addressed above. A detailed accident management plan has been prepared in accordance with the H1 Environmental Risk Assessment documentation and is contained in supporting document referenced 2661/R/003/01.

4 STAFFING & OPERATIONS

4.1 Hours of Operation

4.1.1 Transport of waste to and from the site will be limited to the operating hours detailed within the relevant planning permission.

4.2 Roles & Responsibilities

4.2.1 Staffing requirements will be limited, likely to comprise of two loading shovel drivers, including a technically competent manager.

4.2.2 Staff will have clearly defined roles and responsibilities. Appropriate training will be undertaken and appropriate written instructions will be given where necessary. Copies of any such written instructions will be retained and used to investigate any incidents. Any contractors used on site will be provided with all necessary information before commencing work.

4.2.3 Details of the Technical Competent Management for the site are contained within the non-technical summary document reference 2661/R/001/01.

4.2.4 The site will be operated in accordance with PLL's own Site Management System (SMS).

5 SITE SECURITY

5.1 Gates & Fencing

5.1.1 The Parry's Quarry installation boundary is surrounded by security fencing and site entrances are protected by similar lockable steel gates, which will be kept locked outside of operational hours.

5.2 Maintenance

5.2.1 Site staff will be briefed that in the event of evidence suggesting unauthorised access or vandalism being found, the matter must be reported to the police. If the incident involved unauthorised tipping, vandalism resulting in spillages of potentially polluting materials (e.g. fuel) or spillage of any waste, NRW will be informed.

5.2.2 Site gates and perimeter fencing will be inspected on a regular basis. Any identified damage to the fence or gates that could prejudice the site security will be recorded and temporarily repaired as necessary before the end of that working day. Permanent repair or replacement will be undertaken as soon as practicable.

6 PERMITTED ACTIVITIES

6.1 Overview

6.1.1 The following section provides a detailed description of each stage of waste processing proposed.

6.2 Waste Acceptance

Site Roads and Vehicle Circulation Areas

6.2.1 Access for HGVs will be via the new site access road, subject to planning, located on an unnamed road off Pinfold Lane to be constructed under the 24th July 2015 planning application. Cars and light vehicles will use the existing quarry site access road.

Weighbridge and Site Control Office

6.2.2 A weighbridge office and twin weighbridge will be operated by PLL on the new site access road for incoming and outgoing waste loads. Both weighbridge facilities will be maintained in accordance with manufacturer's recommendation and appropriately calibrated. A waste acceptance check will be undertaken at either weighbridge with additional visual checks being undertaken at the point of discharge and during the processing of the waste. Site operatives will be made aware of the permitted waste types.

6.2.3 All incoming loads will be weighed and the appropriate waste acceptance procedures undertaken. Records of received wastes will be made and retained, appropriate documentation in accordance with the Duty of Care Regulations will be completed. The following records will be retained for each load delivered.

- Date and time of delivery
- Vehicle details (registration)
- Waste description
- Origin of waste (if known)
- Quantity of waste
- Details of rejected loads

6.2.4 If the document checks at the weighbridge show that the wastes are not permitted the load will be rejected. Any non-conforming wastes identified following deposit will be removed and placed in a quarantine area pending removal from the site to a suitable permitted facility. A record will be made of wastes found not to be permitted and this will include, if known: waste type, deliverer, date of receipt, producer and actions to be undertaken to prevent re-occurrence.

6.2.5 After passing over the weighbridge, all waste delivery vehicles will discharge waste at the waste reception area. Wastes to be accepted are specified in Appendix B. The waste acceptance procedure will be used to assess whether

the wastes are suitable to be stored and processed in the WTS. Only wastes listed in Appendix B will be accepted at the WTS.

Waste Quantities

6.2.6 The estimated amount of waste to be accepted per year will be on average 325,000 tonnes with an anticipated maximum of up to 400,000 tonnes per annum.

Waste Activities

6.2.7 With regard to the Disposal and Recovery operations, provided for in Annex II to Directive 2006/12/EC of the European Parliament and of the Council of 5 April 2006 on Waste, it is the operator's intention to carry out the following operations on the site within the WTS:

D15: Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced).

D14: Repackaging prior to submission of any of the operations numbered D1 to 13.

D9: Physico-chemical treatment not specified elsewhere in Annex IIA which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D8 and D10 to D12.

6.3 Waste Transfer Process

Arrival on site

6.3.1 On entering the permitted site vehicles will proceed to the new (subject to planning permission) weighbridge to confirm the gross weight, nature and origin of the waste for completion of the relevant documentation in accordance with the Duty of Care. Any loads identified as being unacceptable at the site will be rejected at the weighbridge office. From the weighbridge, vehicles will be directed along the site haul road to the WTS. Once the vehicles have arrived at the WTS, they will be directed to the waste reception area. Vehicles leaving the site will be weighed for tare weight on the parallel weighbridge before exit.

6.3.2 The vehicles will reverse up to one of 5 tipping lanes and into parking bays marked up along the eastern edge of upper vehicle reception level. A 0.7 m high concrete wall will separate the vehicle reception area from the waste bulking hall. This will include a removable section for entry and removal of wheeled loading shovels. The waste delivery vehicles will deposit their waste loads over the barrier and into the bulking hall. The deposited waste will be visually inspected for suitability against the conditions of the permit. They will also be inspected for signs of 'hot loads' and if suspected, the surface temperature will be taken using a portable infrared thermometer. Any unsuitable loads will be transferred to a 10 m x 10 m quarantine area marked on the ground in the north east corner of the bulking hall. Unsuitable loads will be subsequently removed or if combustion is suspected, appropriate fire

containment controls applied before it is removed. The boundary between the waste bulking hall and the loading bay will be separated with a 0.7 m high water tight concrete barrier to contain any fire water should a fire develop in the main waste bulking pile.

6.3.3 Suitable waste deposited into the bulking hall will be consolidated into one pile no larger than 450 m^3 in volume in accordance with the Fire Prevention Plan Guidance. Subject to sufficient accumulation of waste, this will be immediately loaded into a dedicated site vehicle in the loading bay for subsequent deposit into the landfill operated by RJS Civil Engineering Ltd. This vehicle will operate exclusively within the permit boundary and will not be used on public roads. It is unlikely the consolidated stockpile will reach 450 m^3 in volume and likely that all waste will be removed from the site by the end of the working day. Adverse weather conditions may mean the landfill is not available and waste may be kept in the building overnight. No waste will be retained in the building for more than 72 hours.

6.4 Waste Dispatch Control

Waste Dispatch

6.4.1 Removal of all materials will be documented in accordance with Duty of Care requirements and recorded by passage over the weighbridge prior to departure from the site.

7 SITE INFRASTRUCTURE

7.1 Parking Provision

7.1.1 Provision for the parking of staff and visitor vehicles will be provided adjacent to the entrance to the quarry as per the existing site arrangements.

7.2 Fuel Storage

7.2.1 Fuels for on-site vehicles will not be stored on site, but will be shared with adjacent facilities outside the permit boundary.

7.3 Lighting

7.3.1 Any lighting used will be of sufficient intensity to comply with Health and Safety regulations and to make the waste identification bulking and transfer procedures possible. Any lighting infrastructure will be subject to regular maintenance checks. Any defects will be repaired as soon as practicable to ensure continued safe lighting of all site areas.

7.4 Surfaces

7.4.1 The risk of contamination to surface water and groundwater in the locality of the site from point source or diffuse emissions is assessed in the H1 Environmental Risk Assessment (document referenced 2661/R/003/01) which supports this Technical Standards Document.

7.4.2 Site surfacing details are contained in Section 8.

7.5 Building

7.5.1 All waste transfer activities at the WTS will be carried out inside a 60 m x 40 m split level building occupying an overall area of 2400 m^2 (see drawing ref. 2661/1/002). The building will be 12 m tall to the eaves and 17 m to the pitch of the roof. The 30 m x 30 m western portion of the building is for the reception of road-going waste vehicles (of varying sizes). The waste bulking hall to the east is immediately adjacent to the reception area. It also occupies an area of 30 m x 30 m and is also within the fully enclosed building. The waste bulking hall is fully enclosed by push walls on the east and south side and a 0.7 m high bund wall to the north and west. The waste reception and bulking hall are therefore separated by a 0.7 m high wall. The lower level at the northern side of the building is accessed via a 10 m wide ramp which descends 6 m from ground level. This ramp levels out as it enters the building and draws level with the northern boundary of waste bulking hall. This forms a 10 m x 30 m waiting area 6 metres below ground for a dedicated site vehicle whilst it is loaded with waste from the waste bulking hall. The fully loaded site vehicle drives straight out of the loading bay at the eastern elevation of the site and down to the landfill. Access and egress from all points of the building (the waste reception hall and the loading bay ramp) are sealed by a roller shutter door.

8 SITE DRAINAGE

8.1 Surface Water Drainage

8.1.1 All wastes accepted at the WTS will be stored indoors on impermeable bunded concrete surfaces. As all waste will be stored indoors, there will be limited potential for effluent/leachate to be generated by waste. Water will not be used inside the building except to wash down surfaces at the end of the day, or in the unlikely event of a fire.

8.1.2 Clean road and roof water will be drained into the existing quarry surface water management system for discharge to Alltami Brook to the northwest. Site personnel will use existing amenity facilities within the office building to the south of the WTS. Any effluent within the WTS building will be collected in sealed storage tanks and then pumped to the public foul water sewer adjacent to the site on Mold Road through an existing foul water drain. Staff personnel will use the amenity facilities within the existing office building to the south of the WTS. There will be no pathway to surface or groundwater for effluent from the WTS or amenities, and emissions are not expected to occur as a result.

8.1.3 No waste will be exposed to sources of ignition on site and no waste will be stored for longer than 72 hours, in piles of no greater than 450 m^3 volume. The 0.7 m high concrete bund surrounding the waste bulking hall will be capable of accommodating sufficient firewater to extinguish a fire in a 450 m^3 volume storage stockpile plus an additional 10% volume. This is expected to be sufficient water to control a fire in the largest stockpile at the WTS.

9 EMISSIONS & MONITORING

9.1 Surface Water Systems

Inspection and Monitoring

9.1.1 The site surfaces will be subject to routine inspections by the site staff.

Actions

9.1.2 In the event that any spillages of potentially polluting material takes place, procedures outlined in Section 3 will be implemented. The results of monitoring and actions taken will be recorded.

9.2 Odours

Monitoring

9.2.1 The nature of the materials received at site means that they may have potential to generate odours. An assessment of the impact of odour on local receptors was undertaken and is provided in document 2661/R/003/Appendix A/01.

9.3 Noise

Plant

9.3.1 All operations would only take place during the consented operating hours. The hours of operation are as specified in the planning consent.

9.3.2 An assessment of the noise impact on local receptors was undertaken and is provided in the H1 Environmental Risk Assessment document reference 2661/R/003/01.

Monitoring

9.3.3 Waste treatment activities have been carried out at the site for a number of years without generating noise complaints. Due to the location of the site in an open setting within an existing quarry (see drawing ref. 2434/1/002), it is not proposed to undertake a programme of noise monitoring, although daily checks by site staff will be made and recorded. Mitigation of the impact of noise and vibration will be carried out under the existing noise management scheme for Parry's Quarry. Local receptors potentially sensitive to noise are detailed in the accompanying H1 Risk Assessment (document referenced 2661/R/003/1).

Actions

9.3.4 A record of any complaints arising regarding noise and the actions taken will be made. Should it be possible to identify a particular activity or plant that generates significant noise emissions, the cause of the noise will be investigated and appropriate control measures will be implemented if practicable.

9.4 Vermin & Pests

Monitoring

9.4.1 The type of waste being stored at the WTS has the potential to attract pests and vermin. It is expected that the sealed building and high turnover of waste on the site will minimise pest activity in the waste. Stored wastes and the interior of the building will be visually monitored daily for the presence of scavenging animals, birds or flies. An on-going watching brief for the identification of any pest infestations will be part of the daily routine for site operatives.

Actions

9.4.2 On detection or notification of scavenging animals or birds that are causing a nuisance, immediate action will be taken to; remove or deter them from site; and to isolate and secure the wastes attracting the scavengers against further scavenging where possible. On detection of pests, insects or vermin an appropriate professional pest/vermin control contractor will be employed. In addition, any waste subject to infestation or that has attracted vermin will be removed from the site.

9.5 Control & Monitoring of Litter

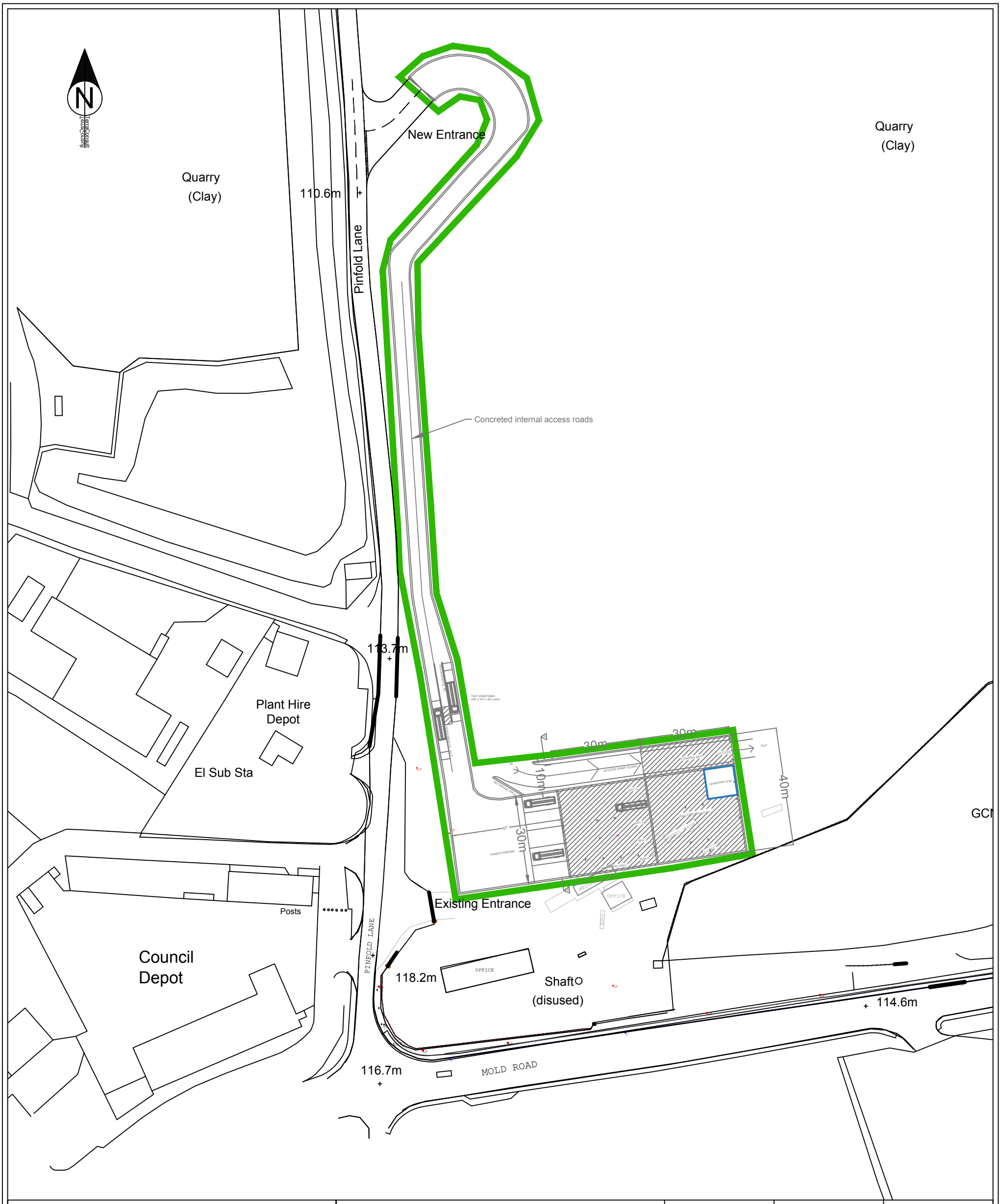
Monitoring

9.5.1 Due to the enclosed nature of the waste activities, the overall risk presented by the escape of litter from the facility has been assessed to be low by the H1 Environmental Risk Assessment (Document Referenced 2661/R/003/01). The site will be monitored daily for signs of escaping materials. An inspection around the site will be undertaken every day and litter on the fences, haul road and operational areas will be collected and placed in the untreated waste storage area.

Actions

9.5.2 In the event that there is an escape of litter from the site, arrangements will be made for its collection as soon as is practicable. Spillage of waste materials on the site will be cleaned as soon as is practicable. Monitoring and actions will be recorded.

DRAWINGS



TerraConsult	Site: **Parry's Quarry**	Scale: 1:1250 @ A3
Dugard House, Peartree Road COLCHESTER, CO3 0UL		Drawing No.: 2661/1/002
Client: **Parry's Landfill LTD**	Title: **Proposed Waste Transfer Building**	Rev / Date / Description
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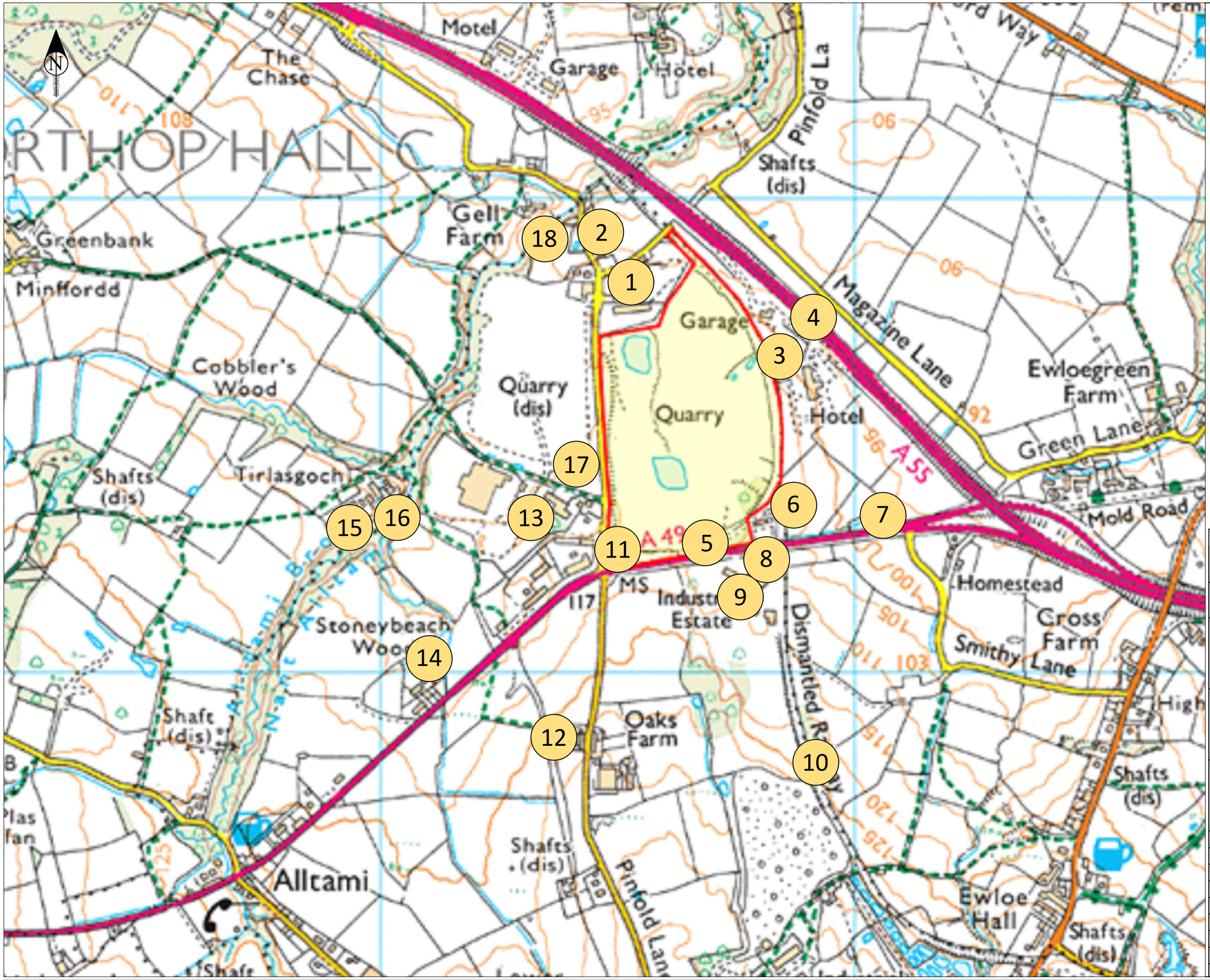
		Date: 01/16 — Engineer: TS
		Drawn: JDB — Checked: MN



Key

Application Boundary

14 Potential Sensitive Receptors (See ERA T1)

TerraConsult

Bold Business Centre, Bold Lane, Sutton, St Helens WA9 4TX

Client

Parry's Landfill Ltd

Site

Parry's Quarry Landfill Permit Application, Waste Transfer Station

Title

Potential Sensitive Receptors

Scale	1:7,500	@ A3	
Drawing No.	2661/1/001		
Rev	Date	Description	
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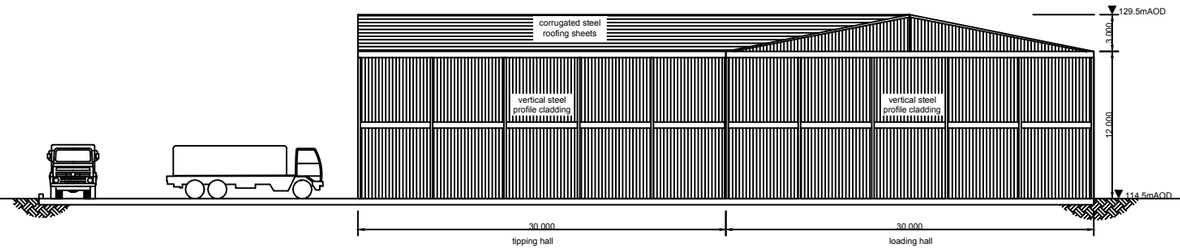
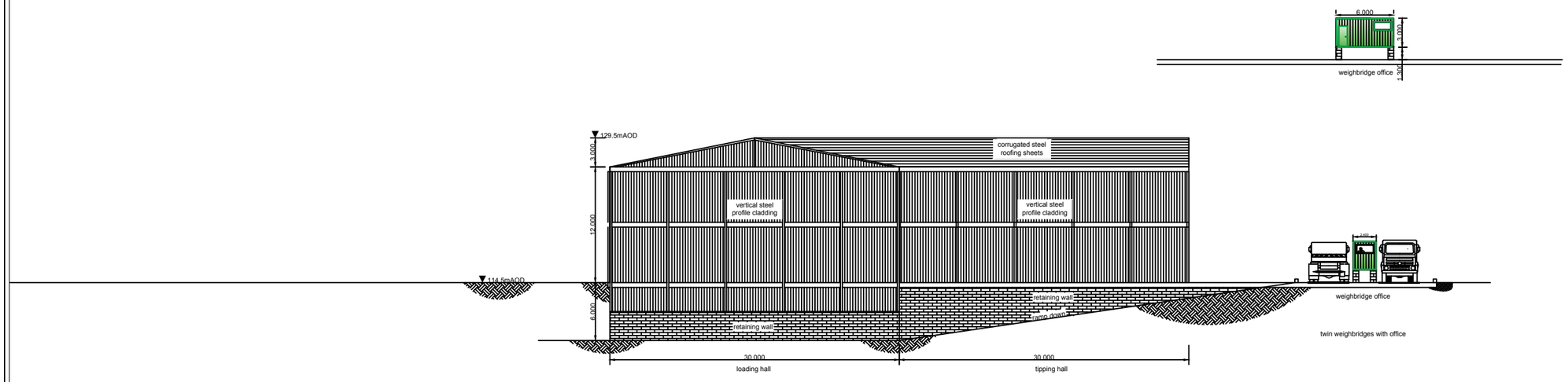
Date	01/16	Engineer	MN
Drawn	JDB	Checked	MN



South Elevation



North Elevation

Notes

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Dugard House, Peartree Road,
COLCHESTER, CO3 0UL

Client

Parry's Landfill Ltd

Site

Parry's Quarry Transfer Station

Title

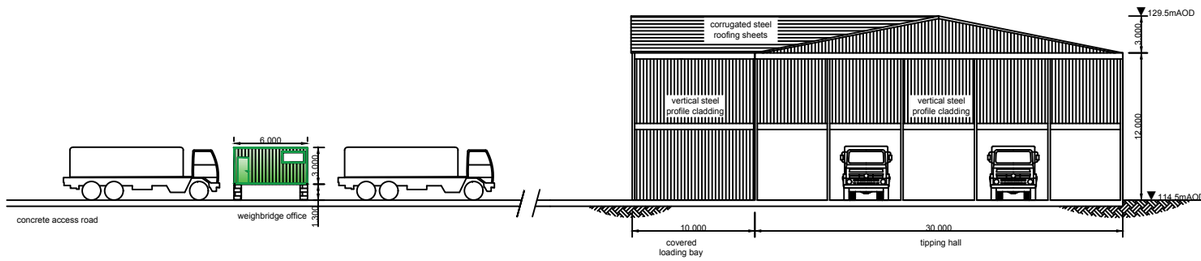
Elevations - North and South

Scale	1:500	@ A3
Drawing No.	10106-002-04	

Rev	Date	Description
A	21-10-15	Ridgeline reduced to 15m above GL

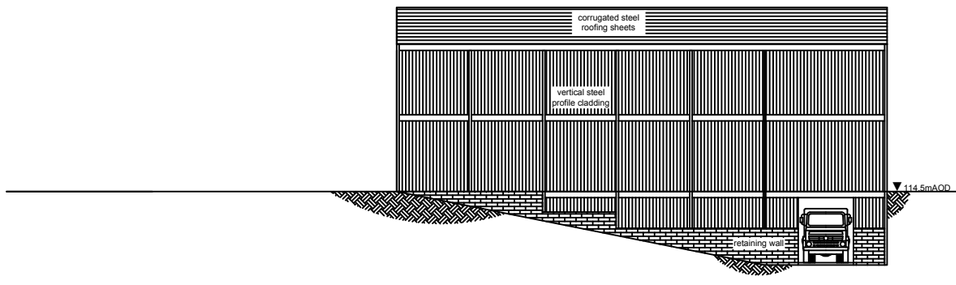
File 10106-002-03 - Parrys Quarry Transfer Station Elevations.dwg

Date	08-2015	Engineer	TS
Drawn	TS	Checked	SA



West Elevation A - A'

twin weighbridges with office



East Elevation

Notes

TerraConsult

Dugard House, Peartree Road, COLCHESTER, CO3 0UL

Client

Parry's Landfill Ltd

Site

Parry's Quarry Transfer Station

Title

Elevations - East and West

Scale	1:500	@ A3
Drawing No.	10106-002-03	

Rev	Date	Description
A	21-10-15	Ridgeline reduced to 15m above GL

File: 10106-002-03 - Parrys Quarry Transfer Station Elevations.dwg

Date	08-2015	Engineer	TS
Drawn	TS	Checked	SA

Appendix A

Planning Permission

Planning Application: 054201

Please note: Online comments for this application can no longer be accepted - the 'comment by' date has now expired.

Reference Number	054201
Status	Valid [Valid: When an application has been received with the correct information / fee to enable the application to be processed.]
Description of Proposal	Erection of waste transfer building, weighbridge, weighbridge office, access road and ancillary development
Application Type	Planning-Full (Building Works)
Comment By	15/10/2015
Location Address 1	Parrys Quarry Pinfold Lane
Location Address 2	Alltami
Location Address 3	Flintshire
Location Address 4	
Location Address 5	
Community / Town Council	Buckley Town Council
Ward	Buckley Mountain
Northing Map Coordinate	366286
Easting Map Coordinate	327655
Applicant Name	Mold Investments Ltd
Applicant Address 1	Parry's Quarry Pinfold Lane
Applicant Address 2	Alltami
Applicant Address 3	Flintshire
Applicant Address 4	

Applicant Address 5	CH7 6LG
Agents Name	
Agents Address Line 1	Well House Barns Chester Road
Agents Address Line 2	Broughton
Agents Address Line 3	Chester
Agents Address Line 4	Flintshire
Agents Address Line 5	CH4 0DH
Case Officers Name	Mrs M Savage
Case Officers Telephone	
Date Valid	25/08/2015
Decision Target Date	20/10/2015
Commitee Date	
Decision Level	
Decision Type	
Decision Date	
Decision Notice Posted	
Appeal Received Date	
Appeal Decision	
Appeal Type	
Appeal Decision Date	

Appendix B

Waste Types Acceptable on Site

Table 1 Non-Hazardous Wastes for Disposal	
Waste Code	Description of Waste
01 01 01	wastes from mineral metalliferous excavation
01 01 02	wastes from mineral non-metalliferous excavation
01 03	wastes from physical and chemical processing of metalliferous minerals
01 03 06	tailings other than those mentioned in 01 03 04 and 01 03 05
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 the wastes mentioned in 01 03 07
01 04	wastes 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
01 04 13	wastes from stone cutting and sawing other than those mentioned in 01 04 07
02	WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING
02 01	wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing
02 01 01	sludges from washing and cleaning
02 01 03	plant-tissue waste
02 01 04	waste plastics (except packaging)
02 01 07	wastes from forestry
02 01 10	waste metal
02 03	wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tobacco preparation and processing; conserve production; yeast and yeast extract production, molasses preparation and fermentation
02 03 01	sludges from washing, cleaning, peeling, centrifuging and separation
02 03 04	materials unsuitable for consumption or processing
02 03 05	sludges from on-site effluent treatment
02 04	wastes from sugar processing
02 04 01	soil from cleaning and washing beet
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 02	sludges from on-site effluent treatment
02 06	wastes from the baking and confectionery industry
02 06 01	materials unsuitable for consumption or processing
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 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 05	sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in 03 01 04
03 03	wastes from pulp, paper and cardboard production and processing
03 03 01	waste bark and wood
03 03 05	de-inking sludges from paper recycling

Table 1 Non-Hazardous Wastes for Disposal	
Waste Code	Description of Waste
03 03 07	mechanically separated rejects from pulping of waste paper and cardboard
03 03 08	wastes from sorting of paper and cardboard destined for recycling
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 INDUSTRIES
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 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	Petroleum/Gas Production
05 01	Petroleum Refining
05 01 10	sludges from on-site effluent treatment other than those mentioned in 05 01 09
05 01 13	boiler feedwater sludges
05 01 14	wastes from cooling columns
05 06	Pyrolytic Treatment of Coal
05 06 04	waste from cooling columns
06	WASTES FROM INORGANIC CHEMICAL PROCESSES
06 03	Manufacture, Formulation, Supply and use 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 16	metallic oxides other than those mentioned in 06 03 15
06 05	Sludges from on-Site Effluent Treatment
06 05 03	sludges from on-site effluent treatment other than those mentioned in 06 05 02
06 09	Manufacture, Formulation, Supply and use 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
07	WASTES FROM ORGANIC CHEMICAL PROCESSES
07 01	Manufacture, Formulation, Supply and use of Basic Organic Chemicals
07 01 12	sludges from on-site effluent treatment other than those mentioned in 07 01 11
07 02	Manufacture, Formulation, Supply and use of plastics, synthetic rubber and man-made fibres
07 02 12	sludges from on-site effluent treatment other than those mentioned in 07 02 11
07 02 13	waste plastic
07 02 15	wastes from additives other than those mentioned in 07 02 14
07 03	Manufacture, Formulation, Supply and use of Organic Dyes (except 06 11)
07 03 12	sludges from on-site effluent treatment other than those mentioned in 07 03 11
07 04	Manufacture, Formulation, Supply and use of Plant Protection Products (except 02 01 08 and 02 01 09), wood preserving agents (except 03 02) and other biocides
07 04 12	sludges from on-site effluent treatment other than those mentioned in 07 04 11
07 05	Manufacture, Formulation, Supply and use of Pharmaceuticals
07 05 14	solid wastes other than those mentioned in 07 05 13
07 06	Manufacture, Formulation, Supply and use of Fats, Grease, Soaps, Detergents, Disinfectants and Cosmetics
07 06 12	sludges from on-site effluent treatment other than those mentioned in 07 06 11
07 07	Manufacture, Formulation, Supply and use of Chemical and Chemical Products not Otherwise Specified
07 07 12	sludges from on-site effluent treatment other than those mentioned in 07 07 11

Table 1 Non-Hazardous Wastes for Disposal	
Waste Code	Description of Waste
08	MANUFACTURE, FORMULATION, SUPPLY AND USE OF COATINGS, ADHESIVES AND INKS
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 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 15	bottom ash, slag and boiler dust from co-incineration other than those mentioned in 10 01 14
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 21	sludges from on-site effluent treatment other than those mentioned in 10 01 20
10 01 24	sands from fluidised beds
10 01 26	wastes from cooling-water treatment
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 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 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 20	flue-gas dust other than those mentioned in 10 03 19
10 03 22	other particulates and dust (including ball-mill dust) other than those mentioned in 10 03 21
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 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 04	wastes from lead thermal metallurgy
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 04	other particulates and dust
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 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 04	other particulates and dust
10 06 10	wastes from cooling-water treatment other than those mentioned in 10 06 09

Table 1 Non-Hazardous Wastes for Disposal	
Waste Code	Description of Waste
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 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 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 other than those mentioned in 10 08 12
10 08 14	anode scrap
10 08 16	flue-gas dust other than those mentioned in 10 08 15
10 08 18	sludges and filter cakes from flue-gas treatment other than those mentioned in 10 08 17
10 08 20	wastes from cooling-water treatment other than those mentioned in 10 08 19
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 10	flue-gas dust other than those mentioned in 10 09 09
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 10	wastes from casting of non-ferrous pieces
10 10 03	furnace slag
10 10 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 10	flue-gas dust other than those mentioned in 10 10 09
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 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 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 18	sludges and filter cakes from flue-gas treatment other than those mentioned in 10 11 17
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

Table 1 Non-Hazardous Wastes for Disposal	
Waste Code	Description of Waste
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 12	wastes from glazing other than those mentioned in 10 12 11
10 12 13	sludge 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	wastes 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 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 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 OTHER MATERIALS; NON-FERROUS HYDRO-METALLURGY
11 05	wastes from hot galvanising processes
11 05 01	hard zinc
11 05 02	zinc ash
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 filings and turnings
12 01 02	ferrous metal dust and particles
12 01 03	non-ferrous metal filings and turnings
12 01 04	non-ferrous metal dust and particles
12 01 05	plastics shavings and turnings
12 01 13	welding wastes
12 01 15	machining sludges other than those mentioned in 12 01 14
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
15	WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
15 01	packaging (including separately collected municipal packaging waste)
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
16	Other Wastes from Industrial Processes
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)

Table 1 Non-Hazardous Wastes for Disposal	
Waste Code	Description of Waste
16 01 17	ferrous metal
16 01 18	non-ferrous metal
16 01 19	plastic
16 01 20	glass
16 01 22	components not otherwise specified
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 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 08 04	spent fluid catalytic cracking catalysts (except 16 08 07)
16 11	waste linings and refractories
16 11 02	carbon-based linings and refractories from metallurgical processes others 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 others 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 17 01 06
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
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 than 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 17 06 01 and 17 06 03
17 09	other construction and demolition wastes

Table 1 Non-Hazardous Wastes for Disposal	
Waste Code	Description of Waste
17 09 04	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
18	HEALTHCARE WASTE
18 01	Natal Care, Diagnosis, Treatment or Prevention of Disease in Humans
18 01 04	wastes whose collection and disposal is not subject to special requirements in order to prevent infection
18 02	Research, Diagnosis, Treatment or Prevention of Disease in Animals
18 02 03	wastes whose collection and disposal is not subject to special requirements in order to prevent infection
19	WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE
19 01	wastes from incineration or pyrolysis of waste
19 01 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 16	boiler dust other than those mentioned in 19 01 15
19 01 18	pyrolysis wastes other than those mentioned in 19 01 17
19 01 19	sands from fluidised beds
19 02	wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)
19 02 03	premixed wastes composed only of non-hazardous wastes
19 02 10	combustible wastes other than those mentioned in 19 02 08 and 19 02 09
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
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 waste
19 05 03	off-specification compost
19 08	waste water treatment plants not otherwise specified
19 08 01	screenings
19 08 02	waste from desanding
19 08 05	sludges from treatment of urban waste water
19 08 12	sludges from biological treatment of industrial waste water other than those mentioned in 19 08 11
19 08 14	sludges from other treatment of industrial waste water other than those mentioned in 19 08 13
19 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 screenings
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 10	Shredding of Metal Containing Wastes
19 10 01	iron and steel waste
19 10 02	non-ferrous waste
19 10 04	fluff-light fraction and dust other than those mentioned in 19 10 03
19 11	Oil Regeneration

Table 1 Non-Hazardous Wastes for Disposal	
Waste Code	Description of Waste
19 11 06	sludges from on-site effluent treatment other than those mentioned in 19 11 05
19 12	wastes from the mechanical treatment of waste (for example sorting, 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 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 wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned
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 SEPARATELY 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 25	edible oil and fat
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 07	bulky waste