

ATTACHMENT A

Non-Technical Summary

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WASTE LICENCE APPLICATION
NON-TECHNICAL SUMMARY
RECYCLING FACILITY AT
CAPPOGUE
FINGLAS
COUNTY DUBLIN

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Prepared For: -

PANDA Waste Services Ltd.,
Beauparc,
Navan,
Co. Meath.

Prepared By: -

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Granary House,
Rutland Street,
Cork.

February 2009

1 NON-TECHNICAL SUMMARY

Nurendale Ltd trading as PANDA Waste Services Ltd (PANDA) is applying to the Environmental Protection Agency (Agency) for a Waste Licence to expand its existing recycling facility at Cappogue, Finglas, Dublin 11. The existing facility operates under a Waste Permit issued by Fingal County Council (Ref WPT 095).

The application for a Waste Licence is in accordance with the requirements of the Waste Management Acts, 1996 to 2003. This non-technical summary contains the information specified in Article 12 (1) (u) of the Waste Management (Licensing) Regulations, 2004 (S.I. No. 395 of 2004).

Compliance with Requirements of the Waste Management Act 1996 to 2007?

Best Available Techniques (BAT) will be used to prevent/eliminate or, where this may be deemed not practicable, limit/abate/reduce emissions of environmental concern resulting from on-site recovery activities.

Nature of the Facility

The existing facility (Stage 1) can accept up to 50,000 tonnes of Construction and Demolition (C&D) and C&I waste. The proposed licensed activity involves the expansion of the existing facility to increase the volumes of C&D and C&I wastes and to allow the acceptance and processing of Dry Recyclables (Stage 2) and residual Municipal Solid Waste (Stage 3). The facility will only accept potentially recyclable materials from commercial operators including waste collection contractors and individual commercial enterprises.

Classes of Activity

The relevant activities as per the Fourth Schedule of the Waste Management Acts 1996 – 2007 will be as follows: -

Third Schedule – Waste Disposal Activities

- 12: ‘Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule’.
- 11: ‘Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule’.

- 13: 'Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced'.

Fourth Schedule – Waste Recovery Activities

Principal Activity:

- 2: 'Recycling or reclamation of organic substances, which are not used as solvents (including composting and other biological processes)'. (P)
- 3: 'Recycling or reclamation of metals and metal compounds'.
- 4: 'Recycling or reclamation of other inorganic materials'.
- 13: 'Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced'.

Quantity and Nature of the Waste to be Recovered or Disposed

The facility will accept only the waste types set out in Table H.1 of the Application Form. A maximum of 250,000 tonnes per annum will be accepted and a breakdown of the waste inputs is given in Table 1.1

Table 1.1 Total Waste Inputs

Waste Type	Stage 1	Estimated Volumes Non-recyclable	Maximum Capacity* (Stage 1, 2 and 3)	Estimated Volumes Non-recyclable
C&D	50,000	3,000	75,000 (94% Recycling Rate)	4,500
Dry Recyclables	0		35,000 (95% Recycling Rate)	1,750
Paper & Cardboard			85,000 (97% recycling)	2,250
Residual MSW	0		50,000 (95% Recycling Rate)	2,500
Total	50,000	3000	250,000	11,000

*Subject to Market Conditions

Raw and Ancillary Materials, Substances, Preparations, Fuels & Energy used on the Site

Raw materials and energy to be used on-site include: -

- Diesel for on-site plant equipment,
- Hydraulic oil and engine oil for use in on-site equipment,
- Electricity,
- Water.

Plant, Methods, Processes, Abatement, Recovery, Treatment and Operating Procedures

The plant that will be used on a regular basis includes: -

- Front Loading Shovel
- Trommel
- Baler
- Air Compressor
- Grab
- Shredder
- Conveyor
- Bag Opener
- Forklift
- Yardsweeper

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Initially the majority of the C & D and C & I waste will be delivered to the facility by PANDA collection vehicles. As the business develops it is envisaged that increasing amounts of waste will be delivered by third parties, including permitted waste collectors and individual producers. Wastes will not be accepted from individual householders.

Waste Processing

C & D Waste

The waste will be delivered in covered skips. All deliveries will be inspected to determine if it is suitable for recycling activities. Any waste loads, which upon inspection are found to contain large amounts of unsuitable wastes, will not be accepted. The wastes will be off loaded inside the C & D and C & I Recycling Building.

Wood and metal will be separated manually and using a mechanical grab and subsequently removed off-site to approved recovery/recycling facilities. The residual material will be shredded and screened to remove the fine fraction containing subsoil and topsoil, which will be removed of site in articulated trucks for use in land reclamation projects. The heavy fraction, containing concrete, brick etc, will then pass through a crusher to produce an inert aggregate suitable for use in construction projects. The materials will be removed off-site in articulated trucks for use in construction projects.

C&I Waste

The C&I wastes will include pre-segregated and mixed wastes which will be delivered to the facility in compactors, rear end loaders and skips. In the initial stage the pre-segregated wastes will be off loaded in the C & D and C & I Recycling Building in separate bays from the mixed waste. Following the construction of Stage 2, this waste stream will be diverted to the Dry Recyclables Building

On the tipping floor the waste will be inspected for unsuitable wastes and such materials will be immediately removed to a designated internal waste quarantine area. The pre segregated material will be moved to the baling units or loading bays where, depending on its nature, it will be baled, or compacted before being loaded onto curtain side trailers for removal off-site.

The mixed waste will initially be sorted using a mechanical grab to remove large items such as timber and metal. Such items will be removed to the appropriate storage/handling areas inside the building. The remaining waste will be separated manually and mechanically into the different waste streams (paper, cardboard, plastic, glass, metal) which will be stored on-site, both internally and externally, pending removal off-site recovery facilities.

MSW

MSW comprising mixed and pre segregated materials will be delivered to the facility in refuse collection vehicles. Mixed and pre-segregated dry recyclables will be off-loaded in a designated area inside the Dry Recyclables Building, where it will be inspected to ensure it is suitable for processing i.e. it does not contain any hazardous or other unsuitable material.

Mixed MSW containing putrescible materials will be off loaded in the MSW Building, where it will be inspected to ensure it is suitable for processing i.e. it does not contain any hazardous or other unsuitable material. The materials will be mechanically treated to remove recyclable

materials including metals, paper, plastics, compostable materials and materials that are suitable for energy recovery.

The recovered metals, paper and plastic will be stored on-site pending removal to off-site recovery/recycling facilities using curtain side trailers/containers. The compostable materials will be removed off-site for composting at a licensed facility. The residue will be processed on site to produce a refuse derived fuel (RDF) which will be shipped overseas in enclosed containers for use as a fuel pending the development of Irish markets for this product

Information Related to Section 40(4) (a) to (d) of the Waste Management Act

Details of the emissions from the proposed extension are presented in Section 5 and 6 of the Project Description which accompanies this application. The emissions will not result in the contravention of any relevant standard or emission limit prescribed under enactment. The proposed development is consistent with the Dublin Region Waste Management Plan.

The facility manager has completed the FAS Waste Management Training Programme. The proposed site activities are based on best management practice and take into consideration the BAT Guidance Note for the Waste Sector: Waste Transfer Activities published by the EPA. The facility operations, when carried out in accordance with licence conditions, will not cause environmental pollution.

Energy will be used efficiently in the carrying out of proposed activities. Necessary measures will be taken to ensure limited consequences for the environment from accidents or the permanent cessation of activities at the site.

Source, Location, Nature, Composition, Quantity, Level and Rate of Emissions

Surface Water / Groundwater

There are no surface water courses within the site boundary and the nearest water course is approximately 2 km to the south of the site. Surface water from the site is discharged to the surface water sewer system serving a neighbouring Industrial Estate. The attenuation system is designed to accommodate 1:100 year rainfall events and to ensure a maximum discharge rate from the site of 6 litres/second. This limit is based on conditions set by Fingal County Council in the current planning permission for the site.

Dust

It is not anticipated that dust will be a significant problem at the facility. All waste processing activities, which have the potential to generate dust (shredding, screening, baling) will be

carried out internally. The facility access roads, vehicle manoeuvring and parking areas will be paved and cleaned at regular intervals with an on-site yard sweeper.

Odours

The processing of the residual mixed MSW is a potential source of odours. All such waste will be delivered to the facility in enclosed vehicles and will only be processed inside the building. All of the waste processing and storage activities will be carried out internally and all wastes will be removed from the facility in fully enclosed vehicles. The mixed MSW will generally be processed and organic components transported off-site the same day. If mixed waste has to be retained on-site overnight it will be stored inside the Buildings. The floor of the Buildings and, in particular, the mixed waste processing area will be swept and washed down at regular intervals. An air management system, including air extraction and treatment, will be installed in the MSW processing area.

Noise

The noise sources used in the noise assessment included all the major plant items which will be used in each of the three buildings and mobile plant such as forklifts. As all waste processing will be carried out internally it is not expected that noise will be a significant emission from the facility.

Assessment of the Effects of Emissions on the Environment

Groundwater / Surface water

When the site is operational, there will be no direct or indirect long-term emissions to ground or groundwater. The provision of extensive paved areas provided with surface water collection drains, and secondary containment of the oil storage area minimises the potential for short term direct or indirect discharges to ground or groundwater, including dangerous substances, in the event of spill or leak.

Dust

Dust control measures that may be employed include the provision of dust suppression systems on the individual plant items, damping the paved areas during periods of dry weather and regular cleaning of the site.

Odours

The proposed method of operation minimises the potential for odours to escape the MSW recycling Building. PANDA will, prior to the start of waste activities in the MSW Recycling Building, install an odour management system the details of which will be agreed with the Agency prior to installation.

Noise

Noise predictive modelling indicates that noise from the site will not adversely impact on the nearest noise sensitive locations. Nevertheless a 2.5 m high acoustic barrier has been constructed along the extent of the eastern boundary of the site in order to further mitigate against noise impacts.

Monitoring and Sampling Points

Dust

Dust will be monitored at three locations on the property boundary biannually. The measurements will be carried out using Bergerhoff gauges specified in the German Engineering Institute VDI 2119 document entitled "Measurement of Dustfall Using the Bergerhoff Instrument (Standard Method).

Noise

Noise will be monitored annually at the nearest noise sensitive locations and two boundary locations. The monitoring will be representative of daytime 30-minute L(A)eq and will be carried out in accordance with the ISO1996: Acoustics - Description and Measurement of Environmental Noise.

Odour

PANDA will conduct and record the findings of daily odour patrols around the site perimeter to identify any nuisance odours.

Surface Water

PANDA will monitor the surface water discharge from the oil water separator on a quarterly basis. The parameters will include electrical conductivity, pH and hydrocarbons. As the discharge will be intermittent and linked to rainfall events grab samples will be collected at the monitoring point. Rainfall will not fall on waste processing or storage areas.

Prevention and Recovery of Waste

Waste oils generated during plant and vehicle maintenance will be collected and sent off-site for recovery.

Off-site Treatment or Disposal of Solid or Liquid Wastes

Wastewater is currently collected in an underground concrete storage tank. The contents of the tank are removed off-site on a routine basis and disposed of at the municipal wastewater treatment plant at Ringsend operated by Dublin City Council. This will continue and there will be no discharge to sewer.

Emergency Procedures to Prevent Unexpected Emissions

PANDA has prepared an Emergency Response Procedure for the facility that addresses all contingencies that might arise including fire, uncontrolled release of leachate and/or oil, facility closure failure and major injury. The procedure ensures a rapid response to any incident by trained staff and minimise the impact on the environment of any associated emissions.

Closure, Restoration and Aftercare of the Site

The majority of the site will, when complete, be either paved or occupied by buildings with minor landscape works at the site boundary. It is not anticipated that the waste processing activities will cease in the medium to long term. In the unlikely event that the facility shuts down it will be closed and decommissioned in accordance with a Decommissioning Plan approved by the Agency. Post closure measures for the monitoring and maintenance of the building and the restored areas will be agreed with the Agency.

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ATTACHMENT B

General

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ATTACHMENT B.1

Applicants Details

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Attachment B.1 Applicants Details

Nurendale Ltd (T/A PANDA Waste Services) was incorporated on the 11th July 1986 (Company Reg. No.115425). A copy of the Certificate of Incorporation is included in this Attachment.

The Company Directors are: -

- Noel Waters,
- Eamon Waters,

The Registered address of the company is Beauparc Business Park, Rathdrinagh, Navan, County Meath.

The License Area (in red ink) is shown on Drawing No. 07 07_7 Site Layout Plan, which is included with the Project Description document that accompanies this application.

Nurendale Ltd owns the entire proposed licence area. Nurendale Ltd also owns land adjacent to the northern boundary of the proposed licence area, but this does not form part of the application. A permanent fence will be constructed to delineate the licensed area. The Ownership Boundary (in Blue ink) is shown on Drawing No. 07 07_12 and is included with this Attachment. The boundary of the application area is marked in red on Drawing No. 07 07_7 in the Project Description document which accompanies the application.

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Companies Registration Office

An Oifig um Chlárú Cuideachtaí

Short Certificate of Incorporation of a Company (Electronic Form, for Public Service Use only)

I hereby certify

that company number **115425**,

NURENDALE LIMITED,

was incorporated under the Companies Acts, 1963 to 1983,

as a Limited Company on

Friday, the 11th day of July, 1986.

Certified by me at Dublin, this **Monday, the 19th day of January, 2004.**

(8F797A)

Registrar of Companies

Paul Farrell

Companies Act 1963, section 370(1); Electronic Commerce Act 2000, sections 12 and 13

Note
The above certificate of incorporation is furnished free of charge by the registrar of companies and is valid solely for public service use. A process has been put in place whereby, where necessary, the certificate may be verified by a public service body on inquiry to the registrar.

The applicant for any public service who is required to produce a certificate of incorporation must certify below that the certificate has not been tampered with in any way. The certificate shall be retained by the public service organisation that requires its delivery and may be used as evidence of any wrongful use.

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(name) **EAGAN WATERY**
of (address) **KATHRINNAGH, BEAUFAC, NEWRY, Co MEATH**

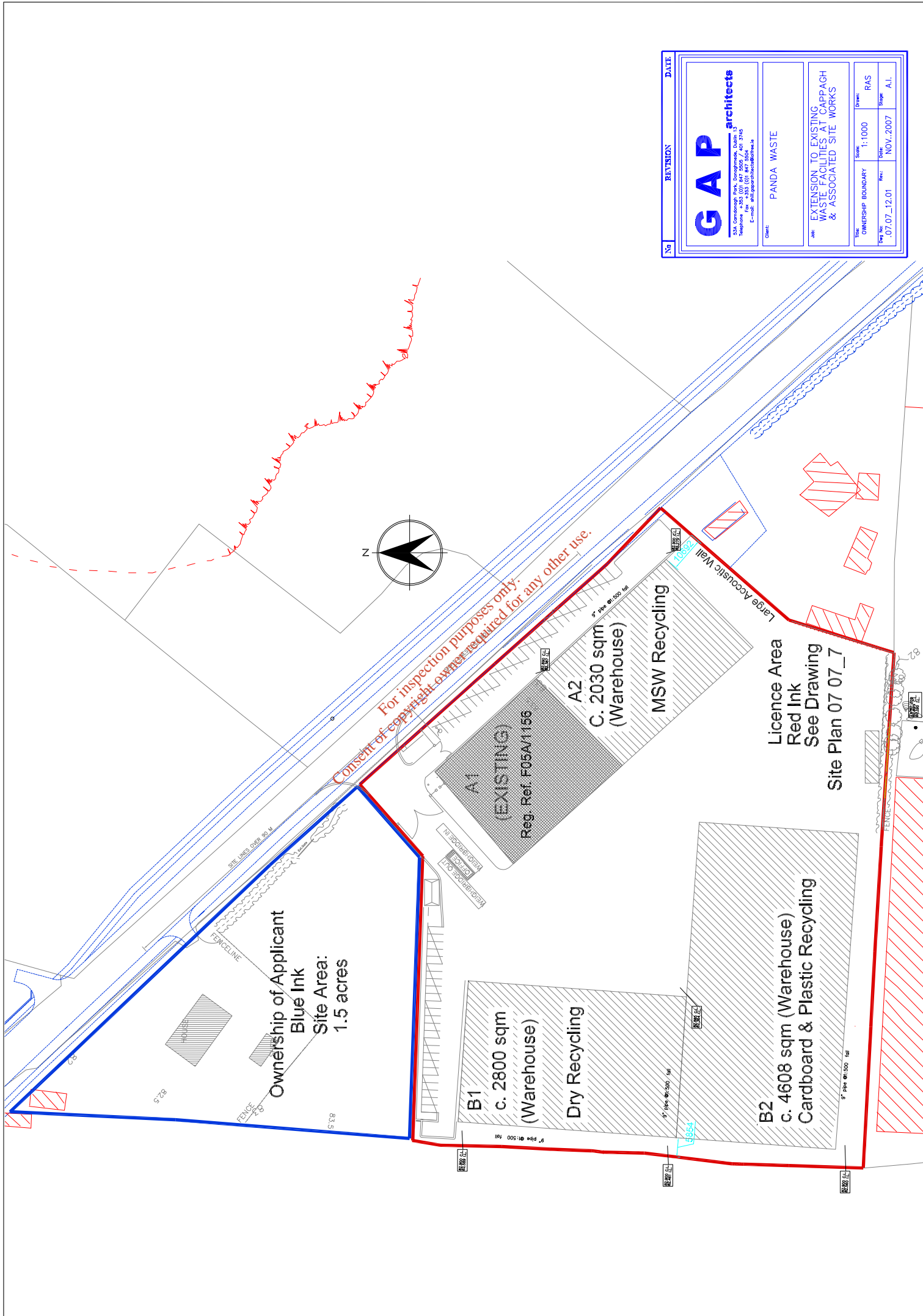
hereby declare that this is one and the same as the Certificate of Incorporation of the above company that was made available electronically, for public service use, at my request, by the registrar of companies. I further declare that to the best of my knowledge, information and belief, the said Certificate has not been altered or amended in any way. I acknowledge that it is a criminal offence to forge a public document with intent to defraud or deceive, and that it is an offence to utter a forged document with intent to defraud or deceive, in each case punishable with imprisonment for a term not exceeding two years.

I make this Declaration for the benefit of

(name of public body) _____

to whom I am furnishing the Certificate.

Signature of Applicant **[Signature]** Date _____



No	REVISION	DATE
52A Cornmeagh Park, Donaghadee, Dublin 12 Telephone: +353 (0)1 857 5000 Fax: +353 (0)1 857 5001 E-mail: info@gaparchitects.ie		
Client:	PANDA WASTE	
Job:	EXTENSION TO EXISTING WASTE FACILITIES AT CAPPAGH & ASSOCIATED SITE WORKS	
Title:	OWNERSHIP BOUNDARY	Scale: 1:1000
Drawn:	RAS	Drawn:
Site No.:	.07.07_12.01	Rev.:
Issue:	NOV..2007	Scale:
		A.I.

ATTACHMENT B.2

Location of Facility

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Attachment B.2 Location of Facility

The facility is located at Cappagh Road, Cappogue, Finglas, Dublin 11, as shown on Figure 3.1 and 3.5 of the Project Description Document which accompanies the application. The National Grid Reference is E310389 N240494. The boundary of the application area is marked in red on Drawing No. 07 07_7 in the Project Description. The area of the site is the same as the area defined by the existing planning permission. The site services are shown on Drawing 07 07_11 in the Project Description.

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ATTACHMENT B.3

Planning Authority

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Attachment B.3 Planning Authority

PANDA have received planning permission for the facility (Ref. No F070954) from Fingal County Council. A copy of the planning permission is included in this Attachment. The permission does not allow the processing of residual, however PANDA intends to reapply for permission for this element. A copy of the letter informing Fingal County Council of PANDA's intention to apply for a Waste Licence for the proposed facility is included in Attachment B6. A copy of the Waste Permit (Ref No WPT95) for the site issued by Fingal County Council is also included in this Attachment.

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COMHAIRLE CONTAE FHINE GALL

WASTE PERMIT

TO: Nurendale Ltd t/a Panda Waste Services Permit Ref: WPT 95
Cappagh Road Order Reference No: FENV/ 133/06
Cappoge Td
Finglas
Dublin 11

Fingal County Council, in exercise of the powers conferred on it by the Waste Management Act, 1996 and Waste Management (Permit) Regulations, 1998, hereby grants a Waste Permit, Reference Number WPT 95, to Nurendale Ltd t/a Panda Waste Services, Cappagh Road, Finglas, Dublin 11 (hereinafter referred to as the Permit Holder) to operate a recycling centre at the location mentioned below: -

Located at: **Cappagh Road**
Cappoge Td
Finglas
Dublin 11

Subject to the 8 conditions as set out on the schedule attached hereto.

Dated this _____ day of _____, 2006

SIGNED:

Éamonn Walsh
Senior Engineer

WASTE PERMIT

ISSUED UNDER

THE WASTE MANAGEMENT ACT, 1996

AND

THE WASTE MANAGEMENT (PERMIT) REGULATIONS, 1998

Waste Permit Number:

WPT 95

Applicant:

Nurendale Ltd t/a Panda Waste
Services

Address:

Cappagh Road
Finglas
Dublin 11

Location of Facility:

Cappagh Road
Finglas
Dublin 11

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Activities Permitted

In pursuance of the powers conferred on it by the Waste Management Act, 1996 and the Waste Management (Permit) Regulations, 1998, Fingal County Council grants this waste permit under Article 5(1) of the said Regulations to Nurendale Ltd t/a Panda Waste Services, Cappagh Road, Finglas, Dublin 11 to carry on the waste activities listed below at Cappagh Road, Finglas, Dublin 11 subject to eight conditions, with the reasons therefor set out in this permit.

Permitted Waste Activity in accordance with the First Schedule of the Waste Management (Permit) Regulations, 1998:

Activity 5: The recovery of waste (other than hazardous waste) at a facility (other than a facility for the composting of waste, where the amount of compost and waste held at the facility exceeds 1,000 cubic metres at any time).

Permitted Waste Recovery Activity in accordance with the Fourth Schedule of the Waste Management Act, 1996:

Activity 2: The Principal Activity. Recycling or reclamation of organic substances that are not used as solvents (including composting and other biological processes).

Activity 3: Recycling or reclamation of metals and metal compounds.

Activity 4: Recycling or reclamation of other inorganic materials.

Activity 13: Storage of waste intended for submission to any activity referred to in this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced.

NOTE:

GRANTING OF THIS PERMIT AND ANY CONDITION IMPOSED BY IT DOES NOT EXEMPT THE HOLDER OF THE PERMIT FROM COMPLYING WITH THE STATUTORY OBLIGATIONS OF ANY RELEVANT LEGISLATION INCLUDING WATER POLLUTION, AIR POLLUTION, WASTE, LITTER AND PLANNING LEGISLATION.

CONDITION 1: SCOPE

- 1.1 This waste permit is issued under the Waste Management (Permit) Regulations, 1998 to Nurendale Ltd t/a Panda Waste Services, Cappagh Road, Finglas, Dublin 11 in respect of a facility at Cappagh Road, Finglas, Dublin 11.
- 1.2 This waste permit is granted for a period not exceeding **36 months** from the date of issue.
- 1.3 Subject to condition 5, wastes permitted to be accepted at the facility shall consist of commercial & industrial and construction & demolition wastes only.
- 1.4 No composting of waste is permitted at the facility.
- 1.5 The maximum amount of waste to be accepted at the facility per annum is 50,000 tonnes. The maximum amount of waste dispatched from the facility and ultimately disposed of, shall not exceed 5,000 tonnes per annum.
- 1.6 Fingal County Council reserves the right to review and/or revoke this permit at any time and shall give written notice to the permit holder in such an event.
- 1.7 The waste activities shall be confined to the area outlined in the Proposed Landscape Layout Plan, Drwg. No. PP-201 submitted with the permit application on 17 August 2005 or as amended and shall take place as specified by the terms of this permit.
- 1.8 The Permit Holder shall give notice in writing to Fingal County Council of any significant changes in the information furnished in the application for the permit. Such notice shall be given within three (3) weeks of any such change arising. On receipt of this information Fingal County Council may require a new waste permit application to be submitted.

- 1.9 The Permit Holder shall be responsible for ensuring that the waste activities are controlled, operated and maintained in accordance with the terms of the application and/or as modified by the conditions attached to this permit. The Permit Holder shall establish procedures to ensure that corrective action is taken should any condition of this permit not be complied with. Fingal County Council shall be immediately notified of any such breach by telephone/fax, and full details shall be forwarded in writing on the next working day.
- 1.10 Where Fingal County Council considers that a non-compliance with the conditions of this permit has occurred it may serve a notice on the permit holder specifying: -
- (a) that only those wastes as specified, if any, in the notice are to be accepted at the facility after the date specified in the notice and
 - (b) that the Permit Holder shall undertake the works stipulated in the notice and/or otherwise comply with the requirements of the notice as set down therein within any time-scale contained in the notice.

When the notice has been complied with the Permit Holder shall provide written confirmation to the local authority that the requirements of the notice have been carried out. No waste other than that which is stipulated in the notice shall be accepted at the facility until confirmation is received from the Council that the notice is withdrawn.

- 1.11 The Permit Holder shall comply at all times with the provisions of the European Community Acts detailed in the table below insofar as such provisions are relevant to the waste activity to be carried out :-

Relevant Provisions	Community Act
Article 9 and 14	Council Directive 75/442/EEC of 15 July 1995 on waste, as amended by Council Directive 91/156/EEC of 18 March, 1991
Articles 4, 5, 8, 9, 10 and 18	Council Directive 80/68/EEC of 17 December, 1979 on the protection of groundwater against pollution caused by certain dangerous substances.

REASON: To clarify the scope of this waste permit.

CONDITION 2: MANAGEMENT OF THE ACTIVITY

- 2.1 The Permit Holder shall acquaint all staff, employees, lessees and agents, including replacement personnel of the provisions and conditions of this permit. A copy of the permit shall be kept on site at all times.
- 2.2 The Permit Holder shall appoint a suitably experienced facility manager. The manager or a suitably experienced deputy shall be present at the facility at all times during the hours of waste acceptance and handling, and the facility shall be adequately manned and supervised at all times. It shall be maintained to the satisfaction of Fingal County Council and adequate precautions shall be taken to prevent unauthorised access to the site.
- 2.3 Waste shall only be accepted at the facility between the hours of 08:00 and 20:00 Monday to Friday inclusive (excluding Bank and Public Holidays) and between the hours of 08:00 and 16:00 on Saturdays.
- 2.4 Waste shall only be stored, handled or sorted within the confines of the buildings (shown on the landscape layout plan). No waste shall be stored, handled or sorted outside the buildings.
- 2.5 The Permit Holder shall establish procedures to ensure that corrective action is taken should any condition of this permit not be complied with. In such instances Fingal County Council shall be immediately notified by telephone/fax and full details shall be forwarded in writing on the next working day.

REASON: To make provision for the proper management of the activity.

CONDITION 3: NOTIFICATION AND RECORD KEEPING

- 3.1 All communications with Fingal County Council shall be addressed to the Senior Engineer, Environment Department

Address:

County Hall,
Main Street,
Swords
Co Dublin

Telephone Number (normal working hours) 01 - 8905000

Fax Number: 01 - 8906270

- 3.2 The Permit Holder shall maintain a written record of the following details at the facility for a period of three years. (Some of these records may be maintained electronically subject to the prior written agreement of Fingal County Council): -

- (a) the date and time of each waste delivery received at, or dispatched from, the facility. In this regard, the sorting of waste materials into individual streams shall not change the status of these materials as a waste.
- (b) the name of the carrier and the vehicle registration number of (a) above.
- (c) the origin, quantity in tonnes and composition of each load of waste received at the site.
- (d) the destination, quantity in tonnes and composition of each load of waste dispatched from the site, together with documentary evidence that each load was subsequently accepted at the destination facility.
- (e) the origin, quantity in tonnes and composition of each load of waste rejected at the site and details of where this load was forwarded to, recorded together with (a) and (b) above.

- 3.3 The Permit Holder shall immediately notify the Senior Engineer, Environment Department, Fingal County Council by telephone/fax of any incident which occurs as a result of the activity on the site and which: -

- (a) has the potential for environmental contamination of surface water or ground water or
- (b) poses an environmental threat to air or land or

(c) requires an emergency response by the Council.

Full details shall be forwarded in writing on the next working day. The Permit Holder shall include as part of the notification: -

- the date and time of the incident
- details of the incident and circumstances giving rise to it
- an evaluation of environmental pollution caused, if any
- actions taken to minimise the effect on the environment
- steps taken to avoid reoccurrence
- any other remedial action taken.

The Permit Holder shall make a record of any such incident in a register to be maintained on the site.

3.4 The Permit Holder shall maintain on the site a register of all complaints received relating to the operation of the activity. Each such record should give details of the following: -

- time and date of the complaint
- the name of the complainant
- details of the nature of the complaint
- actions taken to deal with the complaint and the results of such actions
- the response made to each complainant

Fingal County Council shall be immediately notified by telephone/fax after the receipt of the complaint and full details shall be forwarded in writing on the next working day. The Permit Holder shall make a record of any such complaint in a register to be maintained on the site.

3.5 The Permit Holder shall make all records maintained on the site available to Fingal County Council staff at all times and shall provide any relevant information when so requested by an authorised officer of Fingal County Council.

3.6 The Permit Holder shall notify Fingal County Council, in writing, within 7 days of:

-
- the imposition of any requirement on the permit holder by order under Section 57 or 58 of the Waste Management Act 1996 or
- any conviction of the permit holder for an offence prescribed under the Waste Management Act, 1996.

- 3.7 The permit holder shall submit to Fingal County Council an Annual Environmental Report (AER) for the preceding calendar year by no later than the 28th of February of each year.

The report shall include a summary of waste types and quantities accepted at the facility during the relevant period along with total quantities and types of waste dispatched from the facility to each individual destination facility. In relation to each destination facility, a breakdown is required showing the amount of the permit holder's waste recovered at the facility and the amount of waste disposed of, if any, during the relevant period. The report shall be in a Microsoft Office recognisable electronic format.

This report shall also include details of any impositions or convictions imposed under the Waste Management Act, together with details of: -

- (a) the management and staffing structure of the facility
- (b) reportable incidents
- (c) details of all complaints.

In addition, the permit holder shall include in the report, a written summary of compliance with all of the conditions attached to this permit.

REASON: To provide for the notification of incidents, to update information on the activity and to provide for the keeping of proper records.

CONDITION 4: SITE ACCESS

- 4.1 The applicant shall maintain, for the duration of the permit, a substantial sign at the entrance to the facility stating that the operation has been permitted by Fingal County Council under the Waste Management Act 1996 and Waste Management (Permit) Regulations 1998. This sign shall give the reference number of the issued permit (WPT 95).

REASON: In the interest of safety for other vehicular traffic

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CONDITION 5: WASTE ACCEPTANCE AND HANDLING

- 5.1 All waste entering and leaving the facility shall pass over the weighbridge and the weights shall be recorded for the purposes of condition 3. The weighbridge shall be maintained in working order and calibrated annually.
- 5.2 The following waste types shall **not** be accepted, handled or stored at the facility. The Permit Holder shall ensure that adequate steps are taken to prevent acceptance of any such waste:-
- any waste deemed to be hazardous in accordance with Council Decision (94/904/EC);
 - any waste other than those listed in the HWL or EWC which is considered by a Member State to display any of the properties listed in Annex III to Directive 91/689/EEC on hazardous waste;
 - any putrescible waste;
 - any liquids or sludges;
 - any waste material that is liable to undergo decomposition at ordinary temperatures when in contact with air and/or moisture.
- 5.3 All waste arriving at the facility shall be subjected to a visual inspection by the Permit Holder or his staff, employees, lessees or agents. Materials other than those permitted shall be removed immediately from the site. Such waste shall be disposed of (or recovered) at an alternative facility with an appropriate waste permit or waste license. Following delivery of such unauthorised waste to the site Fingal County Council shall be immediately notified by telephone/fax and full details shall be forwarded in writing on the next working day.
- 5.4 The Permit Holder shall ensure that adequate steps are taken to prevent unauthorised entry of wastes to the site. The Permit Holder shall make provisions to control access to the site and to prevent the fly tipping of waste by person or persons unknown. Such provisions shall be agreed with Fingal County Council prior to the commencement of waste activities on the site.

- 5.5 The Permit Holder shall remove immediately any waste placed on or in the vicinity of the site other than in accordance with the requirements of the permit. If such waste is discovered it shall be taken to a facility with a waste license or waste permit authorising acceptance of such waste.
- 5.6 The Permit Holder shall not allow any over-spill of waste outside the site perimeter as outlined on the site plan submitted with the permit application.
- 5.7 The Permit Holder shall not accept waste at the facility or dispatch waste from it unless the vehicle transporting that waste to and from the premises is covered by a waste collection permit with the facility reference number (WPT 95) included.
- 5.8 All waste shipments leaving the facility for export from the state shall comply with the requirements of Regulation EU 259/93 on the supervision and control of shipments of waste within, into and out of the European Community and the Waste Management (Transfrontier Shipment of Waste) Regulations, 1998 (S.I. No.149 of 1998). Only single stream uncontaminated wastes on the green list may be exported for recovery using the green list procedure under Regulation 259/93. Co-mingled green list municipal wastes may only be exported for recovery from the facility if the amber list procedure is used.

REASON: To provide for the acceptance and management of wastes authorised under this waste permit.

CONDITION 6: NUISANCES, EMISSIONS AND ENVIRONMENTAL IMPACTS

- 6.1 The Permit Holder shall ensure that the waste activities on the site are carried out in such a manner so as not to have an adverse effect on the drainage of adjacent lands, on watercourses, on field drains or on any other drainage system.
- 6.2 The Permit Holder shall take adequate precautions to prevent undue noise, fumes, dust, grit, untidiness and other nuisances during the course of the works which would result in a significant impairment or a significant interference with amenities or the environment beyond the site boundary. If unacceptable levels occur the Permit Holder shall abide by the Council's abatement requirements which may include immediate cessation of operations.
- 6.3 The Permit Holder shall take adequate steps to ensure that no material of any sort can fall or be blown from vehicles delivering waste to or transporting waste from the facility.
- 6.4 The Permit Holder shall be responsible for the removal of any debris deposited within 50 metres of the entrance to the facility. Any material deposited onto the roadway shall be removed without delay.
- 6.5 No waste shall be burned on the site.

REASON: To ensure compliance with the requirements of the conditions of this permit.

CONDITION 7: ENVIRONMENTAL MONITORING

- 7.1 Authorised officers of Fingal County Council shall have unrestricted access to the site at all times on production of identification for the purpose of their functions under the Waste Management Act, 1996 including such inspections, monitoring and investigations as are deemed necessary by the Council.
- 7.2 If so requested by Fingal County Council the Permit Holder shall at his own expense carry out such further investigations and monitoring of the facility as required by the Council. The scope, detail and programme, including report structure and reporting schedule for any such investigations and monitoring shall be in accordance with any instructions issued by the Council. In the event of pollution of waters in the vicinity of the site or of an effluent discharge, input of waste onto the site shall cease and remedial measures shall be carried out immediately as directed by the Council.
- 7.3 Site noise as defined in BS 5228:1997 shall not give rise to noise levels off site, at any noise sensitive location in the vicinity when measured in accordance with Annex E of BS 5228:1997, Part 1 which exceeds the following sound pressure limits (Leq, 1 hour): -
- | | |
|--|-----------------|
| (1) 08:30 and 17:00 Monday to Friday inclusive (excluding Bank and National Holidays) and between the hours of 08:30 am and 13:00 on Saturdays excluding public holidays): | 65 dB(A) |
| (2) Any other time | 45 dB(A) |
- An appropriate correction shall be applied in the case of tonal or impulsive components in the measurements of noise in accordance with the provisions of ISO 1996. If and when required, Fingal County Council shall undertake this monitoring, or arrange for it to be done, at the Permit Holder's expense.
- 7.4 Dust deposition shall not exceed 350mg/m²/day, averaged over 30 days, when measured at the site boundaries. If and when required, Fingal County Council shall undertake this monitoring, or arrange for it to be done, at the Permit Holder's expense.
- 7.5 Should environmental pollution occur at the site Fingal County Council shall review this permit.

REASON: To ensure compliance with the requirements of the conditions of this permit.

CONDITION 8: CHARGES AND FINANCIAL PROVISIONS

- 8.1 The Permit Holder shall pay to Fingal County Council a contribution of €6,250 **per annum** towards the costs incurred by the Council of monitoring the activity to the extent that it considers necessary for the performance of its duties under the Waste Management Act, 1996. This payment is non-refundable. The first payment shall be paid to the Council within one month of the date of grant of this Permit. Subsequent payments shall be paid to the Council at 12-month intervals for the duration of the permit.

In the event that the frequency or extent of monitoring or other functions carried out by Fingal County Council need to be increased for whatever reason the Permit Holder shall contribute such sums as are determined by the Council to defray its costs.

- 8.2 Prior to the commencement of works and waste activities on site the Permit Holder shall lodge with Fingal County Council a cash deposit of €25,000 or an equivalent bond or other approved financial provision as a security for the satisfactory compliance by the Permit Holder with the terms and conditions attached to this permit. In the event of non-compliance by the Permit Holder with any terms or conditions attached to this permit Fingal County Council shall be empowered to apply the said funds or part thereof for the satisfactory compliance with the terms and conditions attached to this permit as necessary. Any amount not so used by the Council will be released to the Permit Holder when all activities on site have ceased and the Permit Holder has fully complied with the terms and conditions attached to the permit to the satisfaction of Fingal County Council.

- 8.3 The Permit Holder shall indemnify Fingal County Council in respect of all claims, losses, damages arising out of injury to any person or loss of or damage to any property whatsoever caused by or in connection with the operation and management of the facility.

REASON: To provide for adequate financing for monitoring and measures to protect the environment.

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Planning Department
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Fingal County Council
Comhairle Contae Fhine Gall

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**NOTIFICATION OF DECISION TO GRANT PERMISSION
PLANNING AND DEVELOPMENT ACTS, 2000 TO 2007 AND REGULATIONS
MADE THEREUNDER**

Decision Order No. 4334	Decision Date 20 December, 2007
Register Ref. F07A/0954	Registered 29 November, 2007

Applicant Nurendale Ltd (t/a Panda Waste Services)

Development The extension to the existing Materials Recycling Facility at Cappagh Road, Cappoge Td, Finglas, Dublin 11 comprising: A) The following buildings A2) An extension to the existing A1 building for a Municipal Solid Wastes Recycling unit (area c. 2030 m², height to eaves c. 11m) B1) Dry Recyclables unit (area c. 2800 m², height to eaves c. 11 m) B2) Cardboard and Plastics recycling unit (area c. 4608 m², height to eaves c. 11 m²) C) E.S.B. substation and switchrooms (area c. 56 m², height to eaves c. 5.50m) D) Associated site works.

Location Cappagh Road, Cappoge Td, Finglas, Dublin 11

Floor Area 9474 Sq Metres

Time extension(s) up to and including

Additional Information Requested / Received 17-Sep-2007 / 29-Nov-2007

In pursuance of its functions under the above mentioned Acts, as Planning Authority, the County Council for the County of Fingal did by Order dated as above make a decision to **GRANT PERMISSION** in respect of the above proposal.

Subject to the (17) conditions on the attached Pages.

Signed on behalf of the Fingal County Council

O'Callaghan Moran & Associates
Granay House
Rutland Street
Cork

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Planning Department
Grove Road
Blanchardstown
Dublin 15

Reg. Ref.: F07A/0954

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2007.

Collette Burne

20 December,

for Senior Executive Officer

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Conditions and Reasons

1. The development to be carried out in its entirety in accordance with the plans, particulars, specifications, and information lodged with the application, as amended by additional information received on 29th November 2007, save as may be required by the other conditions attached hereto.

REASON: To ensure that the development shall be in accordance with the permission and that effective control be maintained.

2. That the proposed development shall be amended as follows:
(a) That the extension to the existing A1 building for a Municipal Solid Waste Unit (Building A2) shall be omitted from the development.

REASON: In the interests of the proper planning and development of the area

3. The facility shall not commence operations of this extension phase of the development until the Cappagh Road Realignment is completed and fully operational and the applicant has received the written consent of the Planning Authority and the Transportation Department of Fingal County Council.

REASON: In the interest of traffic safety.

4. That waste material shall be off-loaded from delivery vehicles and stored/processed internally within the proposed building. Waste material shall not be stored externally within the site.

REASON: In the interests of the proper planning and development of the area.

5. That the following requirements of the Transportation Department, Fingal County Council shall be strictly adhered to in the development:

(a) Road junction visibility requirements shall comply with TD 42/95 and/or TD 41/95, as appropriate, of the 'Design Manual for Roads and Bridges' as amended by the NRA. No objects, structures or landscaping shall be placed or installed within the visibility triangle which interfere with or obstruct (or could obstruct over time) the required visibility envelopes. Plans of verge/boundary planting/landscaping proposals (on which all required visibility spays are clearly superimposed) shall be submitted for written approval and compliance purposes.

- (b) The Location of the proposed Island will be agreed with FCC Road Design and

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will not impede the turning movements of trucks into the facility.

(c) No vehicles shall park, nor shall any goods or objects be stored or located, within the entrance area at any time. For the purposes of this condition the entrance area is defined as that area between the sliding security gate and the public road. Double yellow lines (in accordance with the Traffic Signs Manual) shall be provided within the entrance area. The security gates shall remain in the fully open position during all periods that the development is operating or in use.

(d) The lighting scheme shall not cause excessive glare or distraction to road users or nuisance to adjoining property owners. In this regard, the level and/or nature of illumination may be reviewed at any time by the Transportation Department and adjustments shall be made by the applicant upon request at his/her own expense.

(e) No vehicles shall park, nor shall any goods or objects be stored or placed, in or about the site in such a manner or location that the weighbridge becomes obstructed or non-utilisable or causes queuing of traffic out on to the Cappagh road

(f) Parking spaces shall be lined/marked in accordance with the "Traffic Signs Manual", 1996 and the "Guidelines on Tender Documentation for Road Marking Materials", 2000, published by the Dept of Environment, Heritage and Local Government. Delineation lines shall be white thermoplastic (to EN 1436, 1997), with a minimum thickness of 3mm and a minimum width of 100mm. Disabled Parking Bays shall be 4.8m long and 3.6m in width and shall be marked and signed (if necessary using contrasting marking colours or materials) so that their location, allocation and use is clearly apparent.

(g) A permanent written record shall be maintained of all goods vehicles entering the site which record shall contain the following details: vehicle description/registration, time and date of weighing, gross/tare/net weights, and nature of the load. This record shall be made available to the Planning Authority for inspection/review upon demand.

(h) All stormwater falling within the site (including the entrance driveway/paved areas etc) shall be intercepted/collected and disposed of to ensure that no surface water from the development discharges onto the public road.

REASON: In the interest of the proper planning and development of the area.

6. That the proposed facility shall be not available for use directly by members of the general public.

REASON: In the interests of the proper planning and development of the area.

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7. Prior to the commencement of development the requirements of the Principal Environmental Health Officer shall be ascertained and thereafter strictly adhered to in the development.

REASON: In the interests of the proper planning and development of the area.

8. The water supply and drainage infrastructure including the disposal of surface water shall comply with the technical requirements of the Planning Authority. In particular the following requirements of the Water Services Department shall be complied with in this development.

FOUL SEWER:

1. No foul drainage shall discharge into the surface water system under any circumstances.
2. The foul drainage shall be in compliance with the 'Regional Code of Practice for Drainage Works Version 6.0' FCC April 2006.
3. The proposed structure foundation must be brought to the same level as the invert level of the public foul sewer.

SURFACE WATER

1. No surface water/ rainwater shall discharge into the foul sewer system under any circumstances.
2. The surface water drainage shall be in compliance with the 'Regional Code of Practice for Drainage Works Version 6.0' FCC April 2006
3. The proposed structure foundation must be brought to the same level as the invert level of the public foul sewer.

WATER SUPPLY

1. All water fittings and installations must incorporate best current practices in water conservation
2. The water supply for the development must comply with the 'Guidelines for Laying of Distribution Watermains' Water Services Department, FCC, Dec 2004.

REASON: In the interest of the proper planning and development of the area.

9. That a comprehensive landscape plan with full specifications and bill of quantities including screen planting and management company proposals for the upkeep of these areas to be submitted and agreed in writing with the Planning Authority prior to the commencement of development on site. Landscaping and boundary treatment works shall be completed prior to the operation of the proposed development.

REASON: In the interests of the proper planning and development of the area.



10. That the proposed development shall comply with the Noise Guidelines of Fingal County Council. In this regard:
- (a) The premises shall only be used for any purpose including collection and return of vehicles and waste receptacles between the hours of 08:00 to 20:00 Monday to Friday and 08:00 to 16:00 on Saturdays. A monitoring system to ensure compliance with this condition shall be agree with the Council before development commences.
- (b) An odour control programme shall be agree with the Council and installed before operation commences in order to minimise odours.

REASON: In the interests of the amenities of the area.

11. No advertising sign or structures shall be erected on the site without prior approval of the Planning Authority.

REASON: In the interests of visual amenity.

12. That all public services to the proposed development, including electrical, telephone cables and equipment be located underground throughout the entire site.

REASON: In the interest of amenity.

13. No materials to which the European Communities (Control of Major Accident Hazards Involving Dangerous Substances) Regulations 2000, S.I. No.476 of 2000 (Seveso II) applies shall be stored in the proposed premises without the prior grant of planning permission by the Planning Authority or An Bord Pleanála. This shall form a clause in any leasing or sale agreement for the development.

REASON: In the interests of the proper planning and development of the area.

14. Prior to the commencement of development a comprehensive and specific plan for the treatment of all boundaries of the site shall be agreed in writing with the Planning Authority.

REASON: In the interest of the visual and landscape amenities of the area.

15. That all necessary measures including the provision of wheel wash facilities be taken by the contractor to prevent the spillage or deposit of clay, rubble or other debris on adjoining roads during the course of the works.

REASON: To protect the amenities of the area.

16. Prior to commencement of development, a construction management plan shall be submitted to the planning authority for written agreement. This plan shall provide

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details of intended construction practice for the development, including hours of working, noise management measures, off-site disposal of construction/demolition waste and a scheme for dust and dirt control.

REASON: In the interest of amenities and public safety.

17. The developer shall pay the sum of €857,008 (updated at date of commencement of development, in accordance with changes in the Tender Price Index) to the planning authority as a contribution towards expenditure that was/or that is proposed to be incurred by the planning authority in respect of public infrastructure and facilities benefiting development in the area of the Authority, as provided for in the Contribution Scheme for Fingal County made by the council. The phasing of payments and the giving of security to ensure payment shall be agreed in writing with the planning authority prior to the commencement of development.

REASON: It is considered reasonable that the payment of a contribution be required in respect of the public infrastructure and facilities benefiting development in the area of the planning authority and that is provided, or that is intended will be provided, by or on behalf of the Local Authority.

NOTE: A number of the conditions attached to the planning permission may need compliance submissions to be lodged and agreed prior to commencement of development. Failure to comply with a condition of the planning permission is an offence under Section 151 of the Planning and Development Act 2000. Copies of each compliance submission should be made in triplicate.

NOTE: Please note that applicant is required to remove Site Notice on receipt of Notification from Planning Authority of decision.

NOTE: Please note all observations/submissions have been taken into consideration when making this decision.

ATTACHMENT B.4

Sanitary Authority

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Attachment B.4 Sanitary Authority

The sanitary authority is Fingal County Council. It is not intended to connect to the municipal sewer. Foul water will be collected and sent for treatment at an off-site waste water treatment plant. At present it is sent to the Dublin City Council wastewater treatment plant at Ringsend. Water is obtained from the municipal water supply.

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ATTACHMENT B.5

Other Authorities

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Attachment B.5 Other Authorities

The proposed activity is not within the Shannon Free Airport Development Company area. The activity is located within the Eastern Health Board area, Eastern Health Shared Services, Dr. Steevens' Hospital, Dublin 8.

Ph: - 01-6790700

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ATTACHMENT B.6

Notices & Advertisements

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Attachment B.6 Notices and Advertisements

Drawing No. 07 07_7 shows the Location of the Site Notice, the text of which is included in this Attachment. A copy of the newspaper advertising the application for the Waste Licence is included in this Attachment. A copy of the letter informing Fingal County Council of PANDA's intention to apply for a Waste Licence is also included in this Attachment.

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SITE NOTICE

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR

A WASTE LICENCE

Nurendale Ltd trading as PANDA Waste Services Ltd (PANDA) is applying to the Environmental Protection Agency (Agency) for a Waste Licence to operate a recycling facility at Cappagh Road, in the townland of Cappogue, Finglas, Dublin 11 which is located at National Grid References: E310389 N240494. The activity involves a change in the types of waste accepted to include Mixed Municipal Solid Waste and Dry Recyclables and an increase in the volumes to 250,000 tonnes per annum.

The relevant waste disposal and waste recovery activities, as per the Third and Fourth Schedules of the Waste Management Acts 1996 to 2005, and the Waste Management (Licensing) Regulations 2004, (S.I. No. 395 of 2004) to which this application relates are: -

Third Schedule – Waste Disposal Activities

- 12: ‘Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule’.
- 11: ‘Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule’.
- 13: ‘Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced’.

Fourth Schedule – Waste Recovery Activities

Principal Activity:

- 2: ‘Recycling or reclamation of organic substances, which are not used as solvents (including composting and other biological processes)’. (P)
- 3: ‘Recycling or reclamation of metals and metal compounds’.
- 4: ‘Recycling or reclamation of other inorganic materials’.
- 13: ‘Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced’.

A copy of this application for a Waste Licence and such further information relating to the application, as may be furnished to the Agency in the course of the Agency's consideration of the application will, as soon as is practicable after receipt by the Agency, be available for inspection or purchase, at the headquarters of the Agency at P.O. Box 3000, Johnstown Castle, Co. Wexford.

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**APPLICATION TO THE ENVIRONMENTAL
PROTECTION AGENCY FOR
A WASTE LICENCE**

Nurendale Ltd, trading as PANDA Waste Services Ltd (PANDA), is applying to the Environmental Protection Agency (EPA) for a Waste Licence to operate its existing Recycling Facility at Cappagh Road, in the townland of Cappogue, Finglas, Dublin 11, which is located at National Grid References: E310389 N240494. The activity involves a change in the types of waste accepted to include Mixed Municipal Solid Waste and Dry Recyclables and an increase in the volumes to 250,000 tonnes/annum.

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- 4: ‘Recycling or reclamation of other inorganic

materials’.

- 13: ‘Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced’.

A copy of this application for a waste licence and such further information relating to the application, as may be furnished to the Agency in the course of the Agency’s consideration of the application will, as soon as is practicable after receipt by the Agency, be available for inspection or purchase, at the headquarters of the Agency at P.O. Box 3000, Johnstown Castle, Co. Wexford.

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Planning Department,
Fingal County Council,
County Buildings,
Swords
Co Dublin.

? February 2009

RE: Application for a Waste Licence – Nurendale Ltd (TA Panda Waste Services)

Dear Sir / Madam,

We wish to notify you, on behalf of our client Nurendale Ltd trading as Panda waste Services, of our intention to make an application to the Environmental Protection Agency for a Waste Licence in respect of a proposal to expand the recycling capacity of its facility at Cappagh Road, in the townland of Cappogue, Finglas, Dublin 11, which is located at National Grid References: E310389 N240494.

The relevant waste disposal and waste recovery activities, as per the Third and Fourth Schedules of the Waste Management Acts 1996 to 2007, and the Waste Management (Licensing) Regulations 2004, (S.I. No. 395 of 2004) to which this application relates are: -

Third Schedule – Waste Disposal Activities

- 12: ‘Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule’.
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A copy of this application for a waste licence and such further information relating to the application, as may be furnished to the Agency in the course of the Agency's consideration of the application will, as soon as is practicable after receipt by the Agency, be available for inspection or purchase, at the headquarters of the Agency at P.O. Box 3000, Johnstown Castle, Co. Wexford.

Yours sincerely,

Jim O'Callaghan

0713803/JOC/PS

c.c. Mr. David Naughton, Panda.

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ATTACHMENT B.7

Type of Activity

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Attachment B.7 Type of Activity

The relevant activities as per the Fourth Schedule of the Waste Management Acts 1996 – 2007 will be as follows: -

Third Schedule – Waste Disposal Activities

12: ‘Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule’.

Non recoverable household C&I,, C&D and other non-hazardous solid wastes will be baled or compacted on-site prior to consignment to off-site waste disposal facilities.

11: ‘Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule’.

Non recoverable household, C&I, C&D and other non-hazardous solid wastes will be bulked up prior to consignment to off-site waste disposal facilities.

13: ‘Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced’.

Non recoverable household, C&I, C&D and other non-hazardous solid wastes will be stored on-site prior to consignment to off-site waste disposal facilities.

Fourth Schedule – Waste Recovery Activities

Principal Activity:

2: ‘Recycling or reclamation of organic substances, which are not used as solvents (including composting and other biological processes)’. (P)

Plastics, paper and cardboard collected separately and recovered from the incoming solid wastes will be consigned to off-site recycling facilities. Timber recovered from the incoming C&D waste will be consigned to off-site recycling/recovery facilities. This will be the principal activity at the site.

3: ‘Recycling or reclamation of metals and metal compounds’.

Metals (ferrous and non-ferrous) which will be recovered from the incoming waste, and other metals (e.g. aluminium cans) delivered to the facility separately, will be stored on-site pending consignment to off-site recycling facilities.

4: ‘Recycling or reclamation of other inorganic materials’.

Inorganic materials comprising inert materials recovered from the incoming C&D waste will be recovered from the incoming waste and stored pending consignment off-site for recycling

and or use in land reclamation projects. Glass delivered separately and recovered from the incoming waste will be stored pending consignment to off-site for recycling facilities.

- 13: 'Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced'.

Recovered wastes will be stored prior to consignment to off-site recycling and recovery facilities.

Table B7 Total Waste Inputs

Waste Type	Stage 1*	Estimated Volumes Non-recyclable	Maximum Capacity* (Stage 1, 2 and 3)	Estimated Volumes Non-recyclable
C&D	50,000	3,000	75,000 (94% Recycling Rate)	4,500
Dry Recyclables	0		35,000 (95% Recycling Rate)	1,750
Paper & Cardboard			85,000 (97% recycling)	2,250
Residual MSW	0		50,000 (95% Recycling Rate)	2,500
Total	50,000	3000	250,000	11,000

*Subject to Market Conditions. The individual quantities may change provided the overall limit is not exceeded.

It is not possible to provide accurate estimates for the quantity of wastes that will be handled according to EWC code. Actual quantities will be provided in future AERs. The proposed EWC codes list is provided below.

Proposed EWC Codes.

Code **Description**

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

- 17 01 07 Mixture of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06*
- 17 02 01 Wood
- 17 05 04 Soil and stones other than those mentioned in 17 05 03*
- 17 06 04 Insulation materials other than those mentioned in 17 06 01* and 17 06 03*
- 17 08 02 Gypsum-based construction materials other than those mentioned in 17 08 01*
- 17 09 04 Mixed construction and demolition wastes other than those mentioned in 17 09 01*, 17 09 02* and 17 09 03*

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

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 05 Glass
- 19 12 07 Wood other than that mentioned in 19 12 06*
- 19 12 09 Minerals (for example sand, stones)
- 19 12 12 Other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11*

20 01 separately collected fractions (except 15 01)

- 20 01 01 Paper and cardboard
- 20 01 02 Glass
- 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 03 other municipal wastes

- 20 03 01 Mixed municipal wastes
- 20 03 07 Bulky waste

Fee:

4. The recovery of waste.	€10,000
3.2 The disposal of waste (other than hazardous waste) at a facility (other than a landfill facility) where the annual intake is likely to exceed 25,000 tonnes but be less than 100,000 tonnes.	€12,000

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ATTACHMENT B.8

Seveso II Directive

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Attachment B.8 Seveso II Directive

The EC (Control of Major Accident Hazards involving Dangerous Substances) Regs 2000 (SI No. 476 of 2000) does not apply to this facility.

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ATTACHMENT C

Management of the Facility

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ATTACHMENT C.1

Technical Competence & Site Management

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Attachment C.1 Technical Competence and Site Management

Between 4 – 5 people are employed in Stage 1. These include: -

- Facility Manager, - Mr. David Jervis.
- Weighbridge Operator,
- Machine Operators,
- General Operatives,

Staff numbers will grow as the new buildings are constructed and waste volumes increase on stream. Mr David Jervis, the Facility Manager has completed the FAS Waste Management Course. PANDA will ensure that the site management and staff are provided with the appropriate training to ensure that the facility is managed in accordance with the Waste Licence conditions and in a manner that does not result in environmental pollution.

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ATTACHMENT C.2

Environmental Management System (EMS)

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Attachment C.2 Environmental Management System (EMS)

PANDA already has in place a number of components of an EMS at the existing facility which include

- Strategic preparation and implementation of operating procedures, including emergency response and corrective action procedures.
- Utilising BAT techniques.
- Actively promoting awareness amongst both staff and clients through appropriate training and communication programmes.
- Operating an effective programme for public information.

PANDA will develop and implement a documented Environmental Management System (EMS) for the facility once it is licenced. The EMS will, as a minimum, include the following documents: -

- Management Structure,
- Communications Programme,
- Corrective Action Procedures,
- Environmental Management Programme,
- Schedule of Targets and Objectives,
- Awareness and Training Procedures,
- Document Control Procedures.

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ATTACHMENT C.3

Hours of Operation

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Attachment C.3 Hours of Operation

The proposed normal operational hours are 06.00 to 22.00 Monday to Saturday inclusive. Waste will normally be accepted at the facility between the hours of 06.00 and 20.00. However, due to the nature of the waste recycling business it may on occasion be necessary for vehicles delivering wastes and removing recycled materials to operate outside these hours, for example to meet customer demands in relation to the collection of wastes and the delivery of recycled construction materials. PANDA requests that the Agency includes a provision for the amendment of the waste acceptance and operational hours subject to the Agency's approval

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ATTACHMENT C.4

Conditioning Plan

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Attachment C.4 Conditioning Plan

A Conditioning Plan is not required.

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ATTACHMENT D

Infrastructure & Operation

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ATTACHMENT D.1

Infrastructure

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Attachment D.1 Infrastructure

Details of the existing and proposed infrastructure are shown on Drawing No.s 07 07_7 Proposed Site Layout, 07 07_9 Existing Site Layout and 07 07_12 Existing & Proposed Site Drainage.

D.1. Infrastructure

a. Site Security Arrangements

Section 4.9 of the Project Description Document ,which accompanies the application describes the security arrangements.

b. Design For Site Roads

The facility once complete will be entirely paved with concrete.

c. Hardstanding Areas

Section 4.5 of the Project Description Document describes the hardstanding arrangements.

d. Weighbridge

A double weighbridge is located in the north of the site near the site entrance. All vehicles will enter and exit the facility via the weighbridge.

e. Wheel Cleaning

Vehicles delivering waste will have travelled significant distances on paved roads and will not require wheeling cleaning on entry to the facility. The entire area where vehicles will manoeuvre and park will be paved. Vehicles removing waste from the site will not track across waste. A wheel cleaning facility is therefore not required.

f. Laboratory Facilities

It is not proposed to provide laboratory facilities at the site.

g. Fuel Storage

Oil and fuel storage arrangements are described in Section 4.8 of the Project Description Document.

h. Waste Quarantine Areas

Section 4.6 of the Project Description Document, describes the waste quarantine arrangements.

i. Waste Inspection

Section 5.5 of the Project Description Document describes the waste inspection procedures.

j. Traffic Control

Section 4.4 of the Project Description Document describes the site access arrangements

k. All Services

Section 4.3 of the Project Description Document describes the site services.

l. Sewerage and Surface Water Infrastructure

Sections 4.7, 5.9 and 5.10 of the Project Description Document describes the sewage and surface water arrangements.

m. Plant Sheds, Garages and Equipment Compound

Section 4.5 of the Project Description Document describes the building layout. All plant and equipment will be stored inside the main buildings.

n. Site Accommodation

Offices and toilet facilities for facility personnel will be provided in the main building.

o. Fire Control System

Section 5.14.1 of the Project Description Document describes the fire retention arrangements.

p. Civic Amenities

It is not proposed to provide any civic amenity facilities on-site.

q. Details of Composting Infrastructure

Not applicable.

r. Description of Incineration infrastructure (if applicable)

Not applicable

s. Details of any other infrastructure proposed

All infrastructure is described in Section 4 of the Project Description Document.

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ATTACHMENT D.2

Facility Operation

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Attachment D.2 Facility Operation

Operational History

The available information on the site history indicates that it has been used for agricultural purposes. There is no record or evidence of any previous development on the site prior to the construction of the existing facility. The facility was constructed in 2006, a Waste Permit was issued in 2006 and the site began accepting waste in October 2006

Proposed Operations

Section 5.6 of the Project Description Document ,which accompanies the application, describes the proposed operations and waste handling.

Process Control

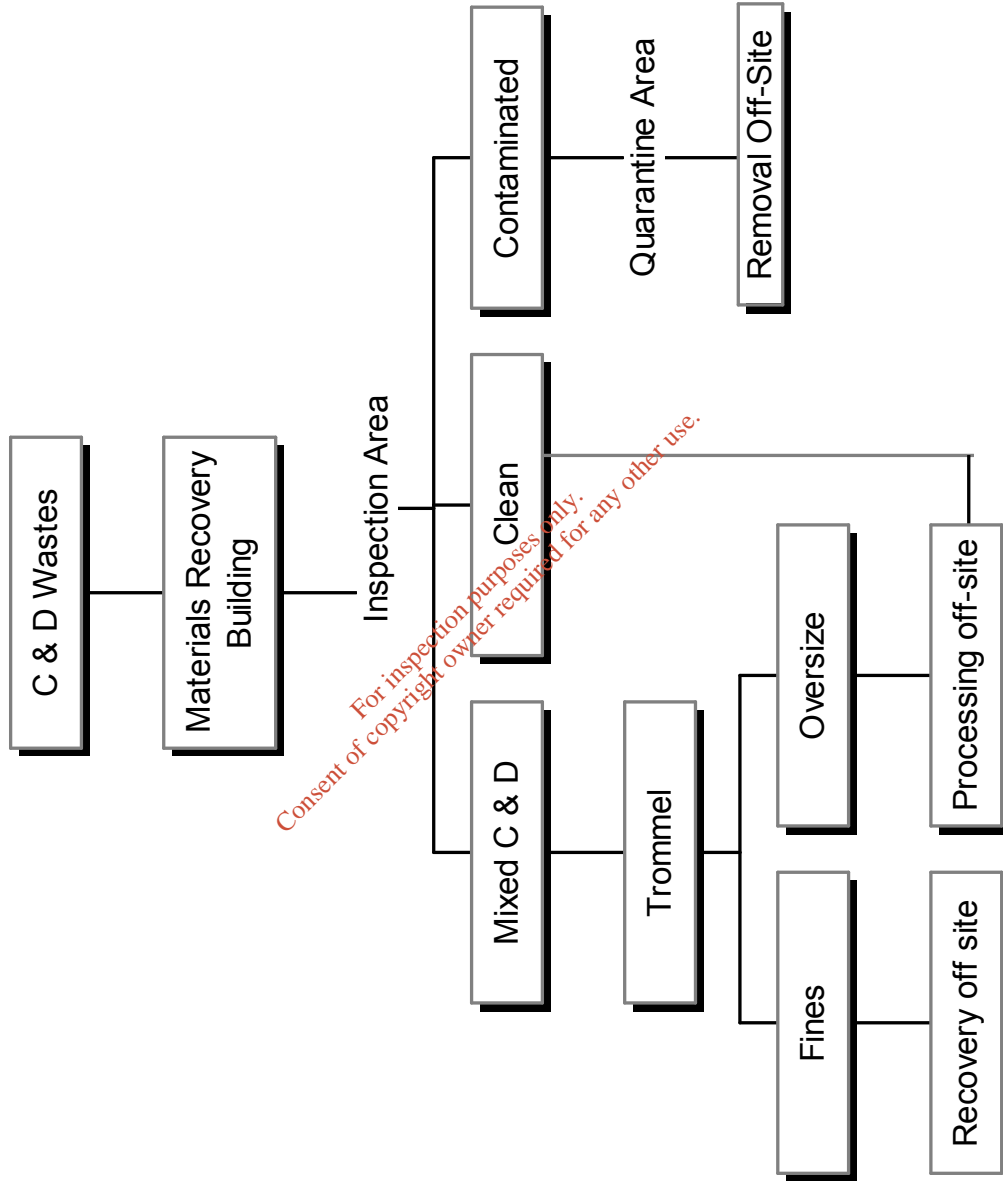
A process flow diagram of the waste operations is included with this Attachment.

Emissions

The potential emissions associated with facility operations include, surface water, odours, noise, wastewater and dust. Further information on emissions is presented in Section 6 of the Project Description Document.

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Figure D – Construction & Demolition Waste



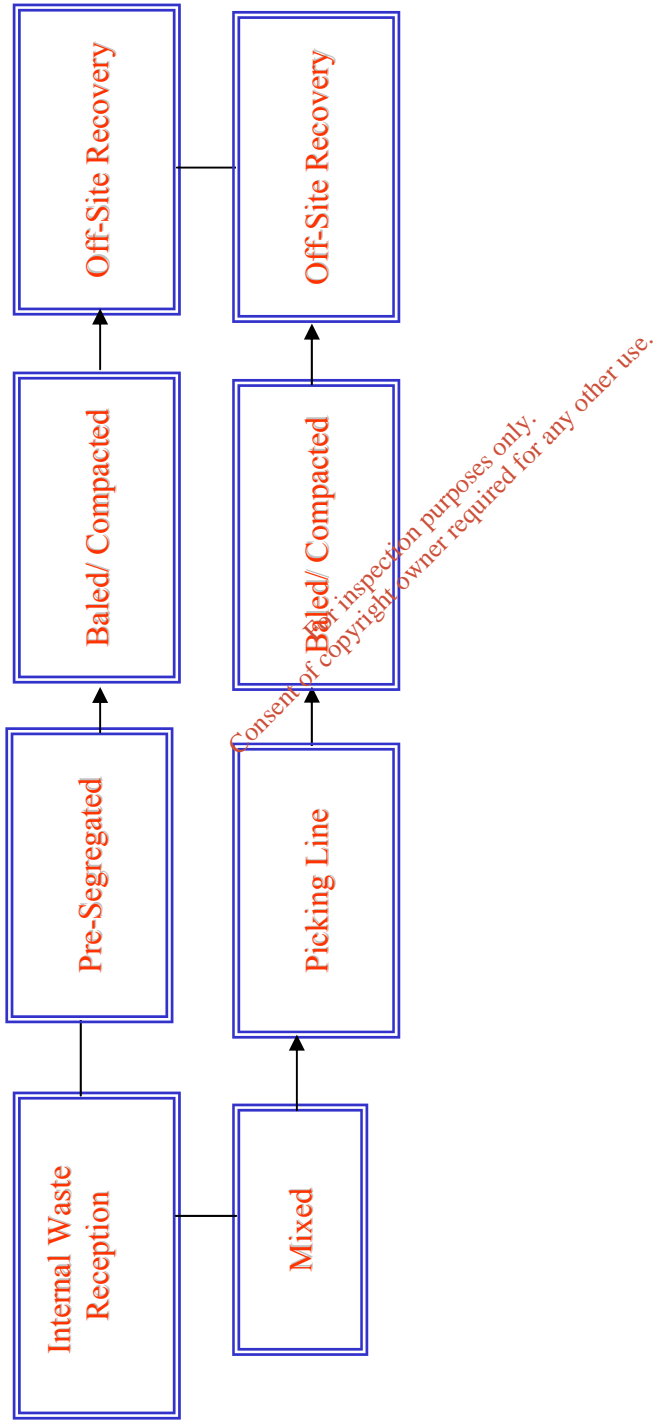


Figure D.2.1 C&I Waste

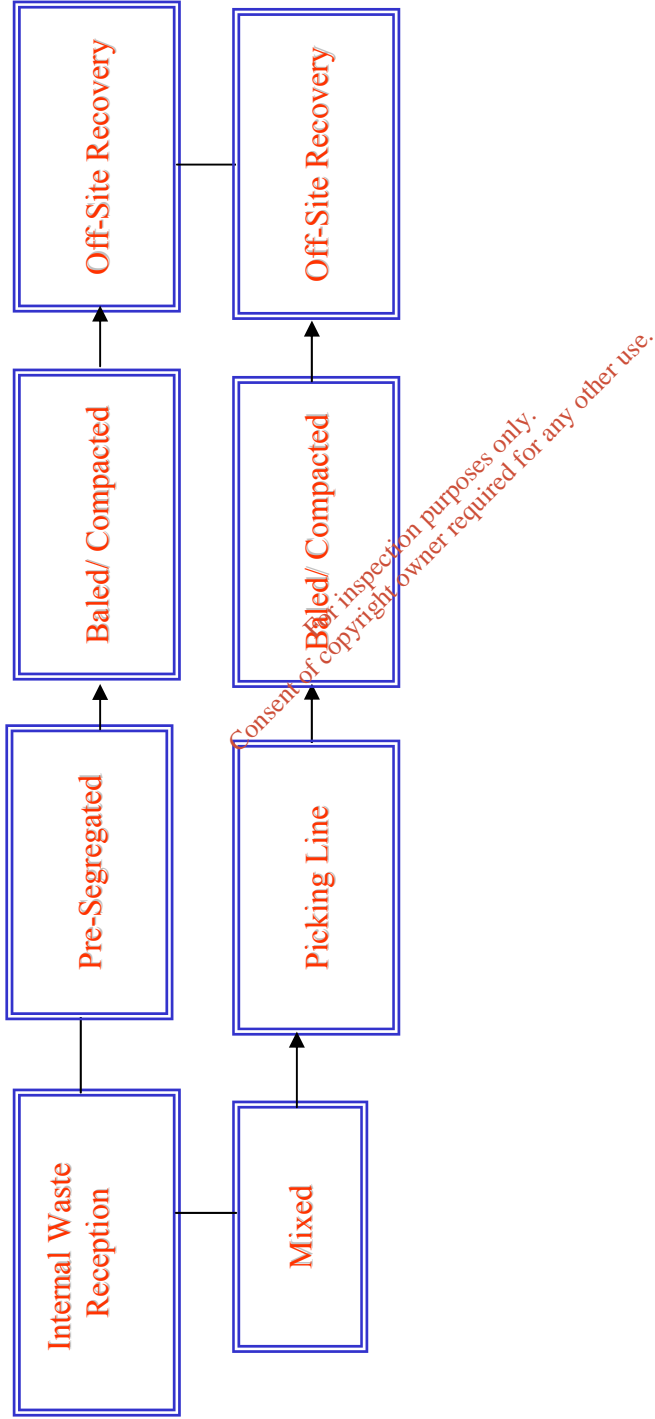
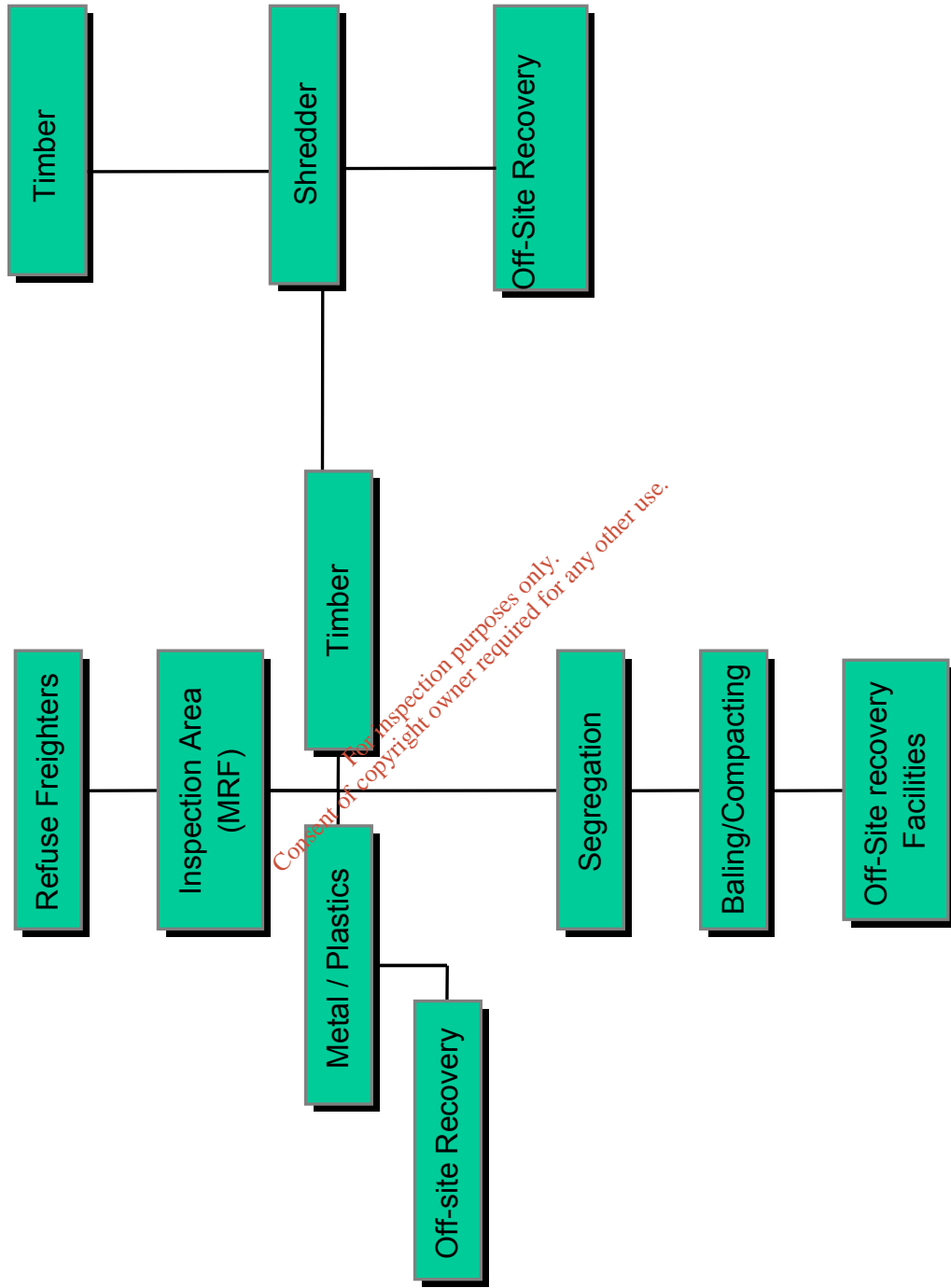


Figure D.2.1 Dry Recyclables Waste

Figure D – Municipal Solid Waste



ATTACHMENT E

Emissions

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ATTACHMENT E.1

Emissions to Atmosphere

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Attachment E.1 Emissions to Atmosphere

The potential emissions to the atmosphere from the facility include dust, traffic emissions and odours. Sections 6.3 to 6.5 of the Project Description, which accompanies this application, describes potential emissions to the atmosphere.

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ATTACHMENT E.2

Emissions to Surface Water

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Attachment E.2 Emissions to Surface Water

The emissions to the surface water drainage system are described in Section 5.9 and 6.1 of the Project Description, which accompanies this application.

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ATTACHMENT E.3

Emissions to Sewers

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Attachment E.3 Emissions to Sewers

Section 5.10 of the Project Description Document, which accompanies the application, describes the emission to sewers.

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ATTACHMENT E.4

Emissions to Groundwater

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Attachment E.4 Emissions to Groundwater

An assessment of the ambient hydrogeological conditions at the site and the impact of the facility on groundwater are included in Section 6.2 of the Project Description that accompanies this application. The assessment concluded that the facility activities will not have a measurable impact on groundwater quality and that mitigation measures are not required.

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ATTACHMENT E.5

Noise Emissions

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Attachment E.5 Noise Emissions

A baseline noise assessment and prediction modelling was carried out in order to assess the potential impacts of noise due to the facility. The results of this assessment are presented in Sections 3.9 and 6.4 of the Project Description that accompanies this application.

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ATTACHMENT E.6

Environmental Nuisances

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Attachment E.6 Environmental Nuisances

Potential environmental nuisances (bird, litter, odour and vermin) are described in Section 5.11 and Section 6.3.2 of the Project Description, which accompanies this application. Dust control and road cleansing measures are described in Section 6.5.

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ATTACHMENT F

Control & Monitoring

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ATTACHMENT F.1

Treatment, Abatement and Control Systems

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Attachment F.1 Emissions and Abatement

There will be no emissions to groundwater from the facility. The emissions surface water and sewer and the proposed control measures are dealt with in Section 5.9, 5.10 and 6.1 of the Project Description document, which accompanies the application. The emissions to air and the proposed control measures are described in Sections 6.3, 6.4 and 6.5 of the Project Description.

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ATTACHMENT F.2

Monitoring & Sampling Points

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Attachment F.2 Air Monitoring & Sampling Points

The proposed dust and odour monitoring is described in Sections 7.1.1 and 7.1.3 of the accompanying Project Description..

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ATTACHMENT F.3

Surface Water

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Attachment F.3 Surface Water Monitoring

The proposed surface water monitoring programme is described in Section 7.1.4 of the Project Description, which accompanies the application.

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ATTACHMENT F.4

Sewer Discharge

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Attachment F.4 Sewer Discharge

Wastewater generated at the facility discharges to a holding tank. The tank is emptied as required and the contents sent to a waste water treatment plant, as described in Section 5.10 of the Project Description document, which accompanies the application.

It is not proposed to carry out routine wastewater quality monitoring. Monitoring will be carried out if requested by the operator of the waste water treatment plant.

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ATTACHMENT F.5

Groundwater Monitoring

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Attachment F.5 Groundwater Monitoring

There will be no emissions to groundwater from the facility and therefore groundwater monitoring is not proposed.

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ATTACHMENT F.6

Noise

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Attachment F.6 Noise

The proposed noise monitoring programme is described in Section 7.1.2 of the Project Description that accompanies this application.

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ATTACHMENT G

Resources Use & Energy Efficiency

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ATTACHMENT G.1

Raw Materials & Energy

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Attachment G.1 Raw Materials and Energy

With the exception of the wastes described in Section E of the Application Form, the other materials, intermediates and products that may be used on-site include diesel, engine and hydraulic oil for the plant and water, electricity etc. Projected details of the raw material and energy consumption at the facility are presented in Section 5.13 of the Project Description document that accompanies this application.

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ATTACHMENT H

Materials Handling

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ATTACHMENT H.1

Waste Types & Quantities

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Attachment H.1 Waste Types & Quantities

Table 1 Total Waste Inputs

Waste Type	EWC Code	Stage 1*	Maximum Capacity* (Stage 1, 2 and 3)
C & D and C & I*	150101	50,000	120,000
	170102		
	170107		
	170201		
	170504		
	170802		
	170904		
	200138		
	200139		
	200140		
	200301		
	200350		
	200301		
Dry Recyclables	150106	0	30,000
	150102		
	191204		
	191201		
	200101		
	191203		
	150104		
191202			
MSW	200301	0	100,000
	200307		
Total		50,000	250,000

*Subject to Market Conditions

ATTACHMENT H.2

Waste Acceptance Procedures

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Attachment H.2 Waste Acceptance Procedures

Waste Acceptance

Section 5.5 of the Project Description, which accompanies the application, describes the waste acceptance procedures that are and will be applied.

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ATTACHMENT H.3

Waste Handling

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Attachment H.3 Waste Handling

Waste handling and site operational procedures are described in Section 5 of the Project Description Document that accompanies this application.

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ATTACHMENT H.4

Waste Arisings

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Attachment H.4 Waste Arisings

The facility generates small volumes of office type wastes. PANDA operates a source segregation policy to maximise the recovery of potential recyclable materials from these waste streams. All recovered materials are transferred off-site to recovery/recycling facilities.

Details of the wastewater generated at the facility is described in detail in Section 5.10 of the Project Description that accompanies the application.

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ATTACHMENT I

Existing Environment & Impact of the Facility

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ATTACHMENT I.1

Air

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Attachment I.1 Air

An assessment of the ambient air quality at the site is presented in Section 3.7 of the Project Description that accompanies this application. The assessment included dust, PM₁₀, Volatile Organic Compounds (VOC) and Hydrogen sulphide, sulphur dioxide, nitrogen dioxides, BTEX and carbon monoxide. An assessment of the atmospheric emissions and impacts are included in Sections 6.3, 6.4 and 6.5 of the Project Description.

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ATTACHMENT I.2

Surface Water

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Attachment I.2 Surface Water

The site activities will not result in any direct discharge to a surface water course. An assessment of the facility's surface water drainage system and of that in its environs including details of proposed mitigation measures (oil interceptors) is presented in Section 6.1 of the Project Description that accompanies this application.

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ATTACHMENT I.3

Sewer

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Attachment I.3 Sewer

There will be no discharge to the municipal foul sewer. An description of the wastewater drainage system is presented in Section 5.10 of the Project Description that accompanies this application.

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ATTACHMENT I.4

Hydrogeology

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Attachment I.4 Hydrogeology

A detailed assessment of the potential impacts on geology and hydrogeology is presented in Section 6.2 of the Project Description that accompanies this application.

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ATTACHMENT I.5

Ground Contamination

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Attachment I.5 Ground Contamination

There will be no direct or indirect long-term emissions to ground or groundwater. The provision of extensive paved areas with surface water collection drains, and secondary containment of the oil storage area minimises the potential for short term direct or indirect discharges to ground or groundwater in the event of a spill or leak.

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ATTACHMENT I.6

Noise

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Attachment 1.6 Noise

i.6a

A baseline noise assessment was carried out to determine the ambient noise environment at the site and this is described in Section 3.9 of the Project Description document, which accompanies the application.

i.6b

Noise prediction modelling was carried out to assess the potential impacts of noise due to the facility. The results of the modelling are presented in Section 6.4 of the Project Description that accompanies this application.

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ATTACHMENT I.7

Ecology

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Attachment I.7 Ecology

There are no undisturbed areas on the site and an ecology survey was not deemed necessary. Significant landscape works are proposed for the facility, which are described in Section 4.7 of the Project Description document which accompanies the application.

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ATTACHMENT J

Accident Prevention & Emergency Response

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ATTACHMENT J.1

Accident Prevention & Emergency Response

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Attachment J.1 Accident Prevention & Emergency Response

The on-site potential for unauthorised or unexpected releases to the environment is considered to be confined to incidents such as a fire. PANDA has prepared an Emergency Response Procedure (ERP), which is in use at the existing facility. A copy of the procedure is included with this Attachment and will be updated following issue of the Licence. The objective of the ERP is to ensure a rapid response to any incident by trained staff and minimise the impact on the environment of any associated emissions.

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Master copy (in red)		SOP No.:01-008C-EMP	
		Revision:	1
		Page:	1 of 3
		Issued:	14 Mar 07
		By:	DN
Title: Emergency Response Procedure for Cappagh			

Prepared by: _____ **Date:** _____
Print Name Sign Name

Approved by: _____ **Date:** _____
Print Name Sign Name

1.0 Purpose:

The purpose of this SOP is to provide an emergency response method for dealing with emergencies

2.0 Responsibilities

The general manager has overall responsibility for this procedure.

The environmental department are responsible for ensuring that all relevant personnel are adequately trained in this procedure.

Employees trained in this procedure are responsible for complying with the requirements of the SOP and are responsible for ensuring that they can adequately respond to any emergency that may arise.

All managers and drivers are responsible for ensuring that vehicles and trailers/skips are maintained in a roadworthy condition at all times.

3.0 Definitions

3.1 SOP: Standard Operating Procedure

3.2 Emergency: For the purposes of this procedure an emergency shall constitute

- Spillage
- Fire/explosion
- Anything that might result in environmental pollution

Master copy (in red)		SOP No.:01-008C-EMP	
		Revision:	1
		Page:	2 of 3
		Issued:	14 Mar 07
		By:	DN
Title:		Emergency Response Procedure for Cappagh	

4.0 Procedure

4.1 *Waste spill*

1. If it is a liquid spillage use the spill kit provided to contain the spill if it is safe to do so.
2. Contact Panda Waste Services offices (Ph. No. 1850 65 65 65), with details of the spill including estimated quantity of waste
3. Clean-up will be arranged at the company offices. All relevant authorities will be notified from the company offices.
4. Do not leave the area until the supervisor has arrived.

4.2 *Fire/explosion*

1. Contact the fire services.
2. Contact Panda Waste Services offices (Ph. No. 1850 65 65 65). The office will arrange for a supervisor to go to the site immediately.
3. Use appropriate fire extinguisher if it is safe to do so.
4. Do not leave the area until PWS supervisor has arrived.

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		Revision:	1
		Page:	3 of 3
		Issued:	14 Mar 07
		By:	DN
Title:		Emergency Response Procedure for Cappagh	

4.3 *Anything that might result in environmental pollution*

If it is suspected that environmental pollution is being caused as a result of waste transportation

1. Stop what is being done immediately and
2. Notify the environmental Officer at Panda Waste Services (Ph. No. 1850 65 65 65).
3. The environmental officer will notify the relevant regulatory authorities if necessary.

5.0 Useful numbers

Brian M ^c Cabe (Panda Waste Services)	087-9978422
Peter Waters (Panda Waste Services)	086-8386979
Andrew Cullen (Panda Waste Services)	086-2676500
David Naughton	086-6045905
Dublin City Council	01-2224300
EPA	053-9160600
EPA Dublin	01-2680100

Emergency Services **999**

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ATTACHMENT K

Remediation, Decommissioning, Restoration and Aftercare

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ATTACHMENT K.1

Decommissioning

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Attachment K.1 Decommissioning

There is no short or long term proposal to shut down or decommission any element of the facility. In the unlikely event that the facility has to close, the shut down will be carried out in accordance with the measures set out in the Decommissioning Plan, which will be prepared prior to the start of licensable activities.

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**DECOMMISSIONING PLAN FOR
WASTE RECYCLING FACILITY**

AT

CAPPOGUE

FINGLAS

DUBLIN 11

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Prepared For: -

PANDA Waste Services Ltd.,
Beauparc,
Navan,
Co. Meath.

Prepared By: -

O' Callaghan Moran & Associates,
Granary House,
Rutland Street,
Cork.

2006

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1. INTRODUCTION

The Decommissioning Plan is based on the following: -

- A review of the types of activities to be carried out on the site, including waste handling and recovery operations.
- Identification of potential hazards, including an evaluation of the raw materials and waste products that typically will be stored on-site, site hydrogeology, sewer and bund integrity.
- Identification of control measures to prevent incidents.
- Identification of all items of plant and other materials, including buildings that may be decommissioned, rendered safe or removed from site for disposal or recovery in the event of closure of the facility.
- Identification of all possible on-site locations where cleaning, decontamination or remediation works may be required in the event of decommissioning to prevent environmental pollution.

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2. DESCRIPTION OF ON-SITE ACTIVITIES

2.1 Proposed Site Operations

2.1.1 Site Layout

The site encompasses approximately 2.5 ha and will, when fully developed, be occupied by the C&D and C&I Building, the Dry Recyclables Building, the MSW Recycling Building, hardstanding areas and landscaped areas.

2.1.2 Waste Types and Volumes

The anticipated waste types and volumes that will be accepted at the facility are shown on Table 2.1. In Stage 1 it is estimated that a maximum of 50,000 tonnes of recyclable materials, comprising C&D and C&I waste will be accepted at the site. It is anticipated that when the facility is operating at maximum capacity (following completion of Stages 2 and 3 and the receipt of a Waste Licence from the Environmental Protection Agency) waste inputs will increase to a maximum of 250,000 tonnes of waste per annum.

Table 2.1 Total Waste Inputs

Waste Type	Stage 1*	Maximum Capacity* (Stage 1, 2 and 3)
C & D and C & I*	50,000	120,000
Dry Recyclables	0	30,000
MSW	0	100,000
Total	50,000	250,000

*Subject to Market Conditions

2.1.3 Waste Acceptance Procedures

Wastes delivered to the facility will be subject to waste acceptance procedures to ensure that only suitable wastes are accepted. This will minimise the risk of the delivery of unsuitable

material. PANDA will prepare documented procedures for the facility before wastes are accepted.

Initially, the majority of the C&D and C&I waste will be collected and delivered to the facility by PANDA collection vehicles. This will minimise the risk of the delivery of unsuitable material. The green waste will be delivered mainly by tree surgeons and landscape contractors. As the business develops it is envisaged that increasing amounts of waste will be delivered by third parties, including permitted waste collectors and commercial waste producers. The facility will not accept waste from members of the general public or from waste contractors who do not have a contract with PANDA.

The waste will be delivered to the facility in enclosed rear end loaders, curtain sided trailers and covered open top trailers and skips. All waste arriving at the facility will be inspected to determine if it is suitable for recycling activities. Any waste loads, which upon inspection are found to contain large amounts of unsuitable wastes, will not be accepted at the site but diverted to PANDA's Waste Licensed facility in Meath.

All waste delivery vehicles arriving at the facility will be obliged to enter onto the weighbridge at the site entrance where they will be weighed and accompanying documentation indicating the materials being transported checked. Following an initial inspection of the waste via CCTV on the weighbridge, the vehicle will then be directed to the relevant Recycling Building for off-loading.

Designated areas for specific waste types will be assigned inside the Buildings (Source separated plastic, cardboard, newsprint, WEEE, tyres and green waste). The waste will only be off-loaded inside the building close to the relevant designated area, where it will be inspected.

Any waste identified as not suitable following off-loading will be immediately removed and, where practical, returned to the delivery vehicle. If this is not practical, the waste will be stored in a designated quarantine area pending its removal off-site by the waste producer or the contractor who delivered the waste. In the event of the producer or contractor refusing to remove the waste PANDA will ensure that it is removed off-site and disposed of at an appropriate facility as soon as practical. PANDA will maintain records of the waste type, quantity and ultimate disposal/treatment facility.

2.2 Material Storage

All waste handling, processing and storage will be carried out inside the Recycling Buildings. The facility will primarily handle dry recyclable materials, although the residual MSW may contain materials contaminated by foodstuffs.

3. SCOPE OF THE DECOMMISSIONING PLAN

3.1 Scope of the Plan

This Plan sets out the actions to be taken by PANDA in the unlikely event of facility shut down, or a planned cessation for a period of greater than six months of all or part of the site involved in the licensed activity.

Should either of the above conditions occur PANDA will decommission, render safe or remove for disposal/recovery, all materials, waste, plant and equipment that may result in environmental pollution. The methodology used to determine the areas that must be addressed in the plan is outlined in Section 4.

3.2 Criteria Which Determines Successful Implementation

Successful decommissioning will only be complete when all buildings, equipment, materials, wastes or any other materials, which could result in environmental pollution, are removed from the site and recycled, recovered or disposed of in accordance with all regulations in force at the time. The programme to achieve the criteria set out in the plan is outlined in Section 5.

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4. AREAS ADDRESSED BY THE PLAN

The following aspects of the proposed facility operation were assessed.

4.1 Materials

It is anticipated that any shutdown of all or part of the site operations would be preceded by a scaling down of activities therefore further reducing the quantities of materials, particularly oils and fuel to be dealt with.

It may be possible to return some materials to the suppliers e.g. diesel, engine and hydraulic oils to the suppliers for resale or reuse. The remaining materials may have to be disposed of as waste, some of which may be deemed hazardous waste due to their composition e.g. oils. Such materials will be disposed of off-site in accordance with appropriate waste management regulatory requirements and facility waste management procedures.

4.2 Equipment & Processes

The pieces of plant include the trommel, loading shovel, baler, air compressor, grabs, shredder, conveyor, bag opener, forklift and yardsweeper. All of the plant would be suitable for use in other similar facilities. Given the nature of the waste to be handled at the facility, none of the items of plant equipment intended for resale or disposal would require specialist decontamination prior to removal off-site.

4.3 Environmental Monitoring Results & Reports

Environmental monitoring will be carried out in accordance with the conditions set in the Waste Licence and will include routine monitoring of sewer, dust and noise emissions. The monitoring programmes will be designed to identify any long term impact associated with the operation of the facility so as to allow effective remedial action and prevent or minimise environmental pollution.

4.4 Environmental Incidents

The site has been designed to minimise the impact of any environmental incident that may arise e.g. spills/leaks of oils/chemicals. Any environmental incidents that do occur will be thoroughly investigated and where necessary remedial measures will be implemented. A detailed review of all historic incidents will be completed as part of the decommissioning plan to assess the potential for residual soil contamination arising from such incidents.

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5. IMPLEMENTATION PROGRAMME

5.1 Consumable Materials

All materials and wastes will be stored in the designated areas. In the event of closure materials and waste will either be returned to the supplier, or be disposed or recovered by a licensed waste disposal contractor. All wastes will be removed for recovery/treatment/disposal at a licensed waste management facility.

Table 5.1 below presents the maximum quantities of consumable materials, broken down by generic types that it is anticipated would need to be removed off-site in the event of activation of the plan. The actual quantities may be smaller as any shutdown of all or part of the facility would most likely be preceded by a scaling down of activities that would allow a stage reduction in inventory.

Table 5.1 Maximum Quantities of Consumable Materials to be Removed Off-Site

Resource	Quantities
Diesel Oil	5000 litres
Hydraulic Oil	50 litres
Disinfectant	10 litres
Odour Neutralisers	15 litres
Engine Oil	40 litres

The largest contributor to the above is diesel which could be returned to the supplier.

5.2 Equipment & Process Materials

In the event of activation of the plan the plant equipment will be either sold for operational use or for scrap at an approved waste recycling/recovery facility. Following the removal off-site of all waste and finished product the waste processing and storage areas will be washed down.

5.3 Environmental Incidents

Any incidents that occur will be dealt with in accordance with the conditions of the Licence and the requirements of the Agency.

5.4 Environmental Monitoring Results & Reports

The environmental monitoring carried out by PANDA as part of the licence conditions will identify if any investigations or post closure monitoring is required to ensure that the facility poses no continuing risk to the environment. The baseline data compiled as part of the Waste Licence application indicates that the site presents no such risk. This will be reviewed based on monitoring data obtained during the operational period.

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6. TEST PROGRAMME & VALIDATION REPORT

6.1 Test Programme

The monitoring and reporting requirements, which will be set out in the Waste Licence, will be complied with until the licence is surrendered to the Agency. The monitoring will identify, if any environmental pollution has occurred during the lifetime of the Waste Licence. If the monitoring programme or the investigation of any future environmental incident identifies that any such contamination has occurred, a test programme will be set up to identify the nature and scale of any associated environmental pollution.

6.2 Validation Report

Following implementation of the plan, PANDA will produce a validation report that demonstrates its successful implementation. This report will confirm that there is no continuing risk of environmental pollution to the environment from the site.

This report shall address: -

1. Disposal of raw materials,
2. Disposal of wastes,
3. Decommissioning of plant and equipment,
4. Disposal of obsolete equipment,
5. Results of monitoring and testing,
6. The need for on-going monitoring or investigations.

This report will be submitted to the Agency within three months of execution of the Plan.

7. FINANCIAL PROVISIONS

It is estimated that the entire decommissioning of plant and equipment, removal/disposal of materials, testing to evaluate the successful implementation of the plan and preparation of a final validation report to complete the Decommissioning Plan will cost in the region of €50,000.

This sum includes for the following: -

1. Disposal of consumable materials,
2. Disposal of unprocessed wastes,
3. Decommissioning of plant and equipment,
4. Disposal of obsolete equipment,
5. Monitoring and testing to ensure compliance with licence conditions,
6. Preparation of reports.

The above figure is based on current disposal costs and waste quantities that would be generated in the event of activation of this plan. It will be possible to recuperate some of the costs through the sale of plant.

ATTACHMENT K.2

Aftercare Management Plan

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Attachment K.2 Aftercare Management Plan

The majority of the site will be either paved, or occupied by buildings with landscape works at the site boundary. It is not anticipated that the waste processing activities will cease in the medium to long term. In the unlikely event that the facility shuts down it will be decommissioned in accordance with the Decommissioning Plan that will be agreed with the Agency. Post closure measures for the monitoring and maintenance of the building and the restored areas will be agreed with the Agency.

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ATTACHMENT L

Statutory Requirements

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ATTACHMENT L.1

Section 40 WMA

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Attachment L.1 Section 40 WMA

Details of the emissions from the facility are presented in Section 6 of the Project Description that accompanies this application. The emissions will not result in the contravention of any relevant standard or emission limit prescribed under enactment. The proposed development is consistent with the Dublin Region Waste Management Plan.

The proposed site activities are based on best management practice and take into consideration the Draft BAT Guidance Note for the Waste Sector: Waste Transfer Activities published by the EPA. The facility operations, when carried out in accordance with licence conditions, will not cause environmental pollution. The Facility Manager has completed the FAS Waste Management Training Programme.

Energy will be used efficiently in the carrying out of proposed activities. Necessary measures will be taken to ensure limited consequences for the environment from accidents or the permanent cessation of activities at the site.

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ATTACHMENT L.2A

Offences & Convictions

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Attachment L.2A Offences and Convictions

PANDA has never been prosecuted under the provisions of the Waste Management Acts 1996 to 2007, the EPA Act 1992 and 2003, the Local Government (Water Pollution) Acts 1977 and 1990 or the Air Pollution Act 1987.

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ATTACHMENT L.2B

Technical Competence & Site Management

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Attachment L.2B Technical Competence and Site Management

The proposed facility management and staffing structure is provided below: -

- Facility Manager,
- Deputy Facility Manager,
- Site Foreman,
- Weighbridge Operator,
- General Operatives,
- Drivers,
- Administration Staff.

The personnel responsible for the implementation of the environmental management procedures and regulatory compliance are the Facility Manager and Deputy Manager. The current Facility Manager has completed the FAS Waste Management Training Programme. Details of the actual staff numbers and positions and training will be submitted to the Agency before start-up of the facility.

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ATTACHMENT L.2C

Financial Provision

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Attachment L.2C Financial Provision

In the extremely unlikely event of the unexpected closure the decommissioning plan specified in the Licence will be implemented. This Plan will include details of the financial provisions to be made to ensure that the facility is closed and decommissioned in a manner that will not cause environmental pollution. PANDA will provide the Agency with the appropriate form of guarantee for this financial provision by way of a bond or other financial instrument as may be specified by the Agency.

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