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Ms. Aoife Loughnane,
Inspector,
Office of Climate, Licensing and Resource Use,
Regional Inspectorate,
McCumisky House,
Richview House,
Clonskeagh Road,
Dublin 14.

14th January 2010

RE: Application for a Waste Licence – W0261-01 Nurendale Ltd Materials Recovery and Transfer Facility at Cappogue, Finglas, Dublin 11

Dear Ms. Loughnane,

On behalf of Nurendale Ltd, trading as PANDA Waste Services, I enclose one original and two hard copies of the response to the Agency's request dated 5th June 2009 under Article 14 2(b)(ii) of the Waste Management (Licensing) Regulations. I also enclose two CD-ROM discs containing the response in searchable pdf format. The content of the electronic files is a true copy of the original application form.

If you have any queries, please call me.

Yours sincerely,

Jim O' Callaghan

071380501/JOC/MS
Encl
CC: Mr. David Naughton, Panda Waste Services Ltd.,

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environmental management for business

Article 14(2)(b)(ii) Further Information

Particulars and Evidence For

Nurendale Ltd. (trading as) Panda Waste Services

Waste Licence Application No.W0261-01

Article 12 Compliance

Prepared For: -

Panda Waste Services Ltd.,
Beauparc,
Navan,
County Meath.

Prepared By: -

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

14th January 2010

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1. INTRODUCTION

This document presents the response by Nurendale Ltd trading as Panda Waste Services Ltd (Panda) Cappagh Road, Finglas, Dublin 11 to the Agency's Notice issued under Article 14(2)(b)(ii) of the Waste Management Licensing Regulations on the 5th June 2009, in relation to the application for a Waste Licence, Application Register No.W0261-01, for a non-hazardous materials recovery and transfer facility at Cappagh Road, Finglas, Dublin 11.

Section 2 contains the responses to the Agency's requests. For ease of interpretation each of the requests are presented in italics followed by Panda's response. The information requested required changes to the non-technical summary and the revised document is in Attachment A.

2. ARTICLE 12 COMPLIANCE REQUIREMENTS

1. *Further to your response to Question 1 of the Agency's Article 14(2)(b)(ii) notice, in order for the Agency to assess the emissions associated with the proposal to install an air extraction and abatement system at the Municipal Solid Waste building, information is required on the details of the system and the source, location, nature, composition, quantity, level and rate of emissions from the system.*

Processing residual Municipal Solid Waste (MSW) at the facility requires planning permission from Fingal County Council. PANDA has carried out pre-planning application consultation with the Council, following which it has been decided not to proceed with the proposal to accept and process MSW at this time. As MSW will not be accepted, an air extraction and abatement system is not required.

The decision not to proceed with the acceptance of residual MSW means that the Building A2 will not be constructed and the maximum annual waste intake will be 200,000 tonnes. A revised site layout drawing is included in Attachment B.

2. *Further to your response to Question 3 of the Agency's Article 14(2)(b)(ii) notice, you have stated that the applicant intends to apply for planning permission for the Municipal Solid Waste building in Autumn 2009 and that an Environmental Impact Statement (EIS) will be submitted with that application. Article 13(1) of the Waste Management (Licensing) Regulations 2004 to 2008 states that where development is proposed to be carried out, and such development requires an Environmental Impact Assessment, a waste licence application must be accompanied by a EIS prepared in respect of the said development.*

   You are therefore requested to provide written confirmation from the Planning Authority as to whether an Environmental Impact Assessment is required for the proposed development (including the processing of Municipal Solid Waste and the proposed increase in throughput), having regard to the requirements of the European Communities (Environmental Impact Assessment) Regulations 1989, as amended.

   If an Environmental Impact Assessment is deemed necessary, please submit an EIS to the Agency in accordance with Article 13 of the Waste Management (Licensing) Regulations 2004 to 2008.

As referred to above, it is no longer proposed to accept and process MSW at the facility and a planning application for the activity will not be made. Therefore, an EIS is not required.

3. *Further to your response to Question 12 of the Agency's Article 14(2)(b)(ii) notice, the disposal element of the licence application fee is based on annual intake, in accordance with the Second Schedule of the Waste Management (Licensing) Regulations 2004 to 2008, You are therefore requested to submit the outstanding €8,000 fee to the Agency without delay.*

A cheque for €8,000 is enclosed.

ATTACHMENT A

Non-Technical Summary

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environmental management for business

WASTE LICENCE APPLICATION

NON-TECHNICAL SUMMARY

RECYCLING FACILITY AT

CAPPOGUE

FINGLAS

COUNTY DUBLIN

Prepared For: -

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

Prepared By: -

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

14th January 2010

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 facility currently 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 2008. 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). 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 200,000 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
Total	**50,000**	**3000**	**200,000**	**8,500**

*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.

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.

Information Related to Section 40(4) (a) to (g) of the Waste Management Act as amended

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.

On 15th September 2009, Nurendale Ltd, trading as Panda Waste Services, was convicted at Navan District Court of an offence under Sections 39(1) and 39(9) of the Waste Management Acts 1996 to 2008 relating to a breach of its previous Licence (W0140-02) by accepting a tonnage of waste that exceeded the maximum annual tonnage permitted (165,000 tonnes). This was the only charge brought by the Agency and there was no evidence given in relation to any environmental impairment associated with the licence breach. The current Licence (W0140-03), which was granted in March 2009, allows the acceptance of 250,000 tonnes per annum.

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

It is not anticipated that odours will be a problem at the facility as the types of waste accepted are not odorous.

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 waste types are not odorous and the facility will not be a source of odour nuisance.

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 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.

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.

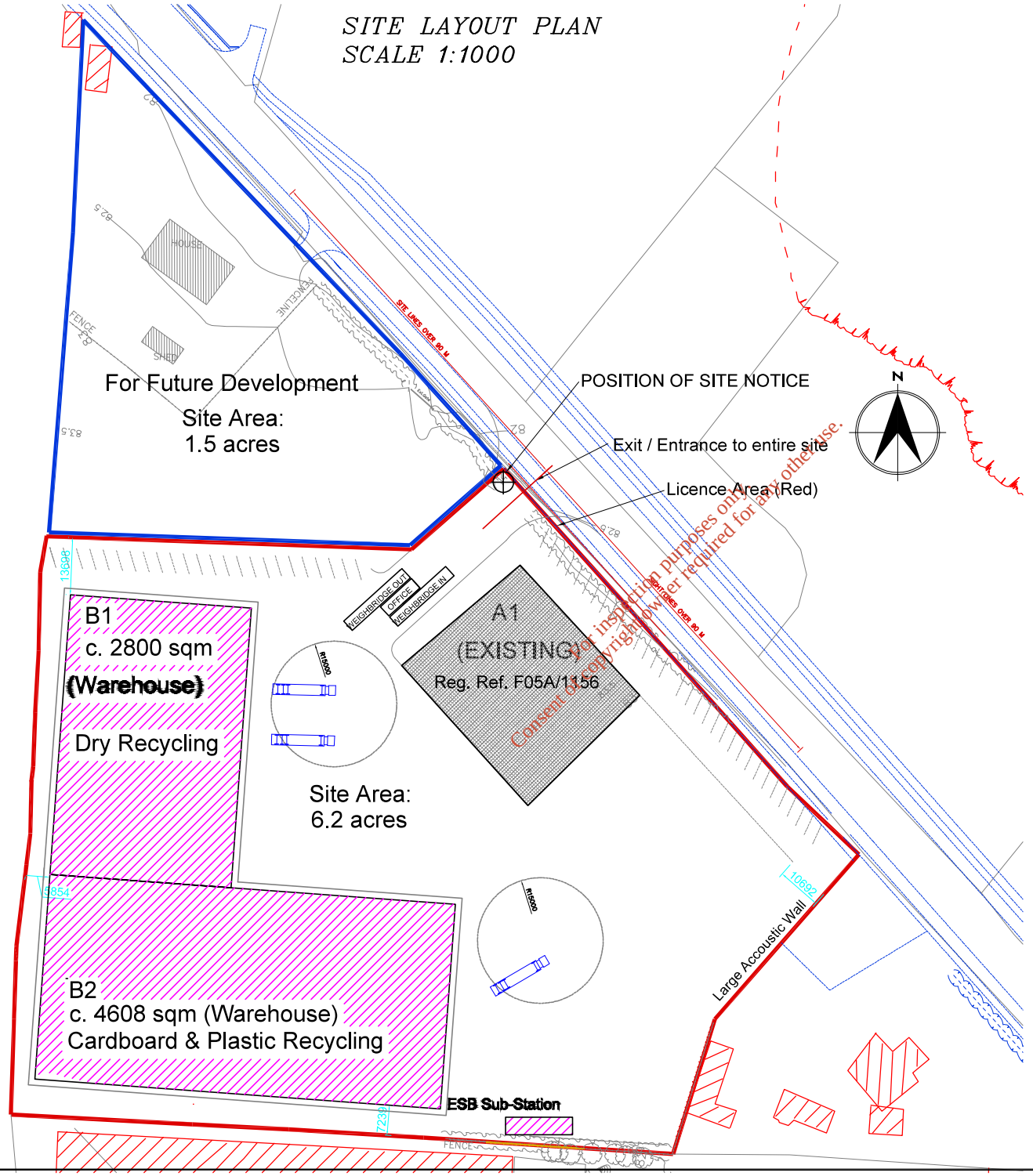
Closure, Restoration and Aftercare of the Site

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.

ATTACHMENT B

Site Layout Drawing

SITE LAYOUT PLAN
SCALE 1:1000



DENOTES LICENCE AREA

DENOTES OWNERSHIP AREA

DENOTES NEW WORKS

NOTES:

1.2 METRE CONC. PATHWAY SURROUNDING BUILDINGS

TWO NO. 30 METRE TURNING CIRCLES

ADJOINING LANDS IN CLIENT OWNERSHIP OUTLINED IN BLUE

SITE OUTLINED IN RED

ACOUSTIC WALL TO SOUTHEAST BOUNDARY

No	REVISION	DATE

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E-mail: shill.gaparchitects@eircom.ie

Client: PANDA WASTE

Job: EXTENSION TO EXISTING WASTE FACILITIES AT CAPPAGH & ASSOCIATED SITE WORKS

Title:	Scale:	Drawn:
SITE LAYOUT PLAN	1:1000	RAS
Dwg No: .07.07_7.01	Date: JAN2010	Stage: PLAN/LIC