



Date: 8th March 2012

EPA Headquarters
PO Box 3000
Johnstown Castle Estate
Co Wexford

Re: Waste Licence Review W0140-04 Nurendale Limited trading as Panda Waste Waste Services Limited, Rathdrinagh, Beauparc, Navan, Co Meath

Proposed Development: Recycling /reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes), which includes gasification and pyrolysis using the components as chemicals.

To Whom It May Concern:

Please find enclosed the HSE consultation report in relation to the above proposal.

The following HSE departments were made aware of the consultation request for the proposed development on 14th February 2012.

Emergency Planning
RDO's Office
A/Director of Health Protection
HSE Estates

Environmental Health Report

The EH service response to the proposal is in the attached consultation report.

- The assessment is based (solely) on an assessment of documentation submitted to this office on 14th February 2012 .
- A site visit was undertaken on 24 February 2012 .
- This report refers only to those sections of the documents which are relevant to the HSE.

All correspondence or any queries with regard to this report including acknowledgement of this report should be forwarded to Tom Maguire, A/Principal Environmental Health Officer, HSE Dublin North East, Co Clinic, Navan, Co Meath

Yours Sincerely



Tom Maguire

A/Principal Environmental Health Officer

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HSE SUBMISSION REPORT
Environmental Health Service Consultation Report
*(as a Statutory Consultee (Planning and Development Acts 2001,
& Regulations made thereunder).*

Report to: Mr Tom Maguire, A/PEHO
HSE Dublin North East
Environmental Health Service
Co Clinic
Navan
Co Meath

Type of consultation: Waste Licence Review

Reference Number: W0140-04

Applicant: Nurendale Limited trading as Panda Waste Services Limited (PANDA), Rathdrinagh, Beauparc, Navan, Co Meath

Proposed Development: Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes), which includes gasification and pyrolysis using the components as chemicals.

The above Waste Licence review documentation was referred to the Environmental Health Service on 14th February 2012. A site visit was carried out on 24th February 2012. On-site contacts were David Naughton, Jim McGovern and Dave Jarvis. There was no unpleasant odour evident at the time of our site visit nor was there discernable noise noted outside of the buildings where waste separation was taking place. It was evident from the on-site visit, that the area in close proximity to the facility is populated, with domestic houses, local businesses and a neighbouring farm. Our files indicate that this office has received no complaints in relation to this facility. Our on-site visit, confirmed that a complaints procedure and corrective action response system is internally managed. Consultation with Andrew Sulley, Senior Environmental Health Officer in relation to the application took place on March 5th 2012.

Note: Application date 24th September 2009.

Application Summary: Nurendale Limited trading as Panda Waste Services Limited (PANDA) has applied for a review of their waste licence to include the following:

- To extend the licence area to include a new building (Building 4), which will house an anaerobic digestion system to treat organic waste to produce a compost. Gases produced during the digestion stage will be

used as a fuel to generate electricity and heat at the facility (CHP plant). The compost produced will be heat treated to satisfy Department of Agriculture Fisheries and Food (DAFF) ABP criteria and removed from site.

- To allow the processing of household and commercial waste to recover refuse derived fuel to be sold to the cement industry. A biomass furnace will generate heat for the RDF process.

Nature of the Facility: The facility accepts non-hazardous wastes only, which are processed to recover wastes that are suitable for recycling and to reduce the amount to landfill.

Documentation reviewed stated that an Environmental Impact Statement was not required for the proposed extension and new activities.

There is to be no change to the quantities or types of waste accepted at the facility.

This office is concerned primarily with highlighting issues of public health/environmental health concern. In this regard, all documents and accompanying data have been reviewed under the following headings:

Emission to air including Dust

Existing dust control measures are in place in relation to dust emissions from vehicles and during dry weather. It is noted that the proposed new activities to be carried out at the site, will take place indoors, therefore dust nuisance is not envisaged at the facility. Potential air emissions will consist of combustion gases from the biogas and biomass fuels. The buildings are to be fitted with self cleaning dust filters following by carbon filtration. Air dispersal modeling was carried out for potential pollutant emissions from the combined heat and power plant the biomass furnace and concluded that air emissions will be within EU emission value limits.

Noise Emissions

A noise impact assessment has been carried out as part of the application, concluding that the proposed activities will have a negligible noise impact. Information submitted stated that noise monitoring at the facility at the nearest noise sensitive locations has measured below the emission limit as specified in the existing licence. On our on-site visit we were informed by the contact that the EPA undertook noise measuring at the facility in December 2011.

Odour

Odour abatement is proposed via design features of the two facilities including air tight building fabrics and negatively ventilating the sections of the building where odourous material will be held. Odourous air will be extracted through the carbon filtration media of the dust filters. An odour management plan will be agreed with the Authority before commencement. An odour control system fitted with sensors and including acid scrubbing and biofiltration is proposed in the AD facility. The impact cumulative odour issues at the facility have been

taken in to account. We were informed on our on site visit that a local Odour Management Company are used for the facility.

Emissions to Surface Water

Run off from the existing yard area proposed to be treated in constructed wetland area and discharged to piped stream via inspection chamber. Discharge from roofs and paved areas to be discharged to a soakaway via silt trap and oil interceptor. Data from the GSI database indicates that the aquifer vulnerability at the site is low. Waste effluent from the facility is to be sent to Navan Waste Water Treatment Plant.

Pest Control

Rodent and bird activity have been identified as potential issues due to the presence of food in the waste entering the site. As a mitigation measure the applicant proposes that all waste containing food material will be held in enclosed buildings. We confirmed on our site visit that a pest control program is in place on site, with approximately monthly visits undertaken by the pest control contractor. There was no evidence of rodents nor infestation thereof on the facility at the time of the on-site visit.

Emergency Procedure

An emergency Response Procedure is provided for the facility, outlining the necessary actions to be undertaken in the event of an emergency.

Closure/Restoration and Aftercare

No changes are proposed to the current licence in the incident of closure/restoration and aftercare of the facility.

It is the opinion of the Environmental Health Department that the documentation submitted for the proposal addresses all of the above mentioned areas adequately and therefore has no comments to make in relation to this review.



Sinéad Healy
Environmental Health Officer



Sinéad Mc Nally
Environmental Health Officer

*** All correspondence or any queries with regard to this report including acknowledgement of this report should be forwarded to Tom Maguire, A/PEHO, HSE Dublin North East, Co Clinic, Navan, Co Meath.**