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Mr David Naughton
Nurendale Ltd trading as Panda Waste Services Ltd.
Rathdrinagh
Beauparc
Navan
County Meath

23/01/2012

Our Ref: W0140-03/gc02NH

Dear Mr Naughton

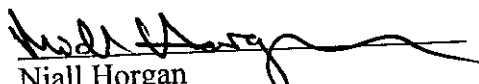
Please find attached a copy of the Noise Monitoring Report, Ref. No. (W0140-03)NS-2011-1, from a noise monitoring survey undertaken by the Agency on 01/12/2011 in the vicinity of Nurendale Ltd t/a Panda Waste Services Ltd, Rathdrinagh, Beauparc, Navan, Co. Meath.

ACTION REQUIRED

- The Agency notes that the results of the noise monitoring show that the facility was compliant with the Conditions of Waste Licence Reg. No. W0140-03 at the time of the survey. Notwithstanding this, the licensee is required to undertake an annual noise monitoring survey under Condition 6.17.4. You are requested to undertake this noise monitoring survey as soon as practicable.
- The findings of this survey shall be used to implement a noise reduction/management plan which shall be included in the environmental management system as required by Condition 6.17.2.
- A report on the findings of the noise monitoring survey and the implementation of the noise reduction/management plan shall be submitted to the Agency.

Please quote the above reference in future correspondence in relation to this matter. If you have any further queries please contact Niall Horgan at 01-2680100.

Yours sincerely


Niall Horgan
Office of Environmental Enforcement



Noise Monitoring Report



Licensee: Nurendale Ltd trading as Panda Waste Services Ltd.
Facility address: Nurendale Limited trading as Panda Waste Services Limited, Rathdrinagh, Beauparc, Navan, County Meath
Licence register number: W0140-03
Report number: (W0140-03)NS-2011-1
Date of report issue: 17/01/2012
Report prepared by: John Gibbons
Noise emissions compliant with licence: Yes
Date of monitoring: 01/12/2011
Monitoring carried out by: John Gibbons
Equipment used: Brüel & Kjaer (B&K) 2250 Sound Level Meter
Microphone Type: 4189 B&K
Calibrator Type: 4231 B&K
Date of last factory calibration: March 2009
Calibration test: Deviation before 0 dB(A), after: 0dB(A)
Sampling range: 19 – 96 dB(A)
Meteorological conditions: Dry and Cold with a light south westerly wind blowing

Summary

Noise monitoring was conducted at the Nurendale Limited (trading as Panda Waste Services Limited) Facility at Rathdrinagh, Beauparc, Navan, County Meath as part of the enforcement of licence register number W0140-03 and as a follow up to complaints received by the Agency concerning noise emissions associated with the licensed activities at the facility. The monitoring results are presented and discussed in this report.

Monitoring was conducted at one off-site noise sensitive location (NSL) to the north east of the facility (Hunter Residence). The monitoring was conducted during daytime hours.

The L_{Aeq} recorded at the offsite NSL was compliant with Conditions 4.4, 5.6 and 6.17 of the licence. A prominent tonal component at 80Hz was detected in the frequency spectrum recorded at the NSL and this tonal component was clearly audible at the NSL during the monitoring period. On investigation at the facility this tonal component was attributed to a motor running on a waste water treatment plant on a nearby restaurant adjacent to the activity but not in the licenced area.

Noise Monitoring Locations

Noise monitoring was conducted at the following location.

- **NSL1.** This off-site monitoring location was in the front garden of the Hunter residence and 100 meters from the facility entrance, which is situated to the north east of the facility. The monitoring point was approximately 10 metres from the roadway that marks the boundary between the garden and the facility.

Licensed Emission Limit Values

The following are conditions in licence register number W0140-03 which refer to noise emissions from the facility:

4.4 Noise

Noise from the facility shall not give rise to sound pressure levels measured at the boundary of the facility which exceed the limit value(s).

5.6 There shall be no clearly audible tonal component or impulsive component in the noise emissions from the activity at the noise sensitive locations.

6.17 Noise

6.17.1 The trommel and timber shredder shall not be operated simultaneously.

6.17.2 Operations procedures for the mitigation of noise shall be drawn up and operated as part of the EMS, and as otherwise may be instructed by the Agency.

6.17.3 All timber shredding shall take place within the process building(s).

6.17.4 The licensee shall carry out a noise survey of the site operations annually. The survey programme shall be undertaken in accordance with the methodology specified in the 'Environmental Noise Survey Guidance Document' as published by the Agency.

Noise Monitoring Results

Table 1: Noise Monitoring Results

Monitoring Location	Time	L _{Aeq(30)} dB	L _{AF90(30)} dB	L _{AF10(30)} dB
NSL1	12.25pm to 13.05 pm	56	48	57

The frequency spectrum recorded at each monitoring location is presented in Appendix 1 of this report.

Comments and Observations

NSL-1. Noise from the facility was clearly and continuously audible at NSL-1 throughout the monitoring period. Waste movement activities on site was the dominant continuous noise source audible at NSL1 at the time of monitoring. Vehicle movements (engine revving, reversing siren and track machine movements) on site also contributed to the local noise environment.

Offsite noise, predominantly associated with adjacent road traffic, was regularly audible during the monitoring period (27 car movements on adjacent roadway). The offsite noise was considerably less significant than the on-site noise.

The L_{Aeq} of 56dB(A) at NSL was just above the daytime ELV of 55 dB(A)(boundary) specified in the licence.

Tonal noise was clearly audible at NSL1 and a prominent tonal component was identified in the frequency spectrum recorded during the monitoring period (refer to Figure 1 in Appendix 1).

Given the number of vehicle movements on the public roadway and the humming of the WWTP Motor not associated with the facility the elevated tonal noise level cannot be attributed to the facility. The monitoring results were in compliance with the Conditions of the waste licence.

Conclusion

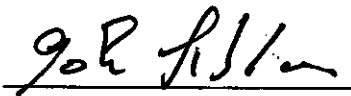
The noise monitoring has shown that the site is in compliance with the conditions of the Waste licence. The noise management/reduction programme actions required in the licence should be proceeded with and completed without delay. The recorded noise emissions from the facility are in Compliance with Conditions 4.4, 5.6 and 6.17 of the Waste Licence Reg No WP0140-03.

Report prepared by:

John Gibbons

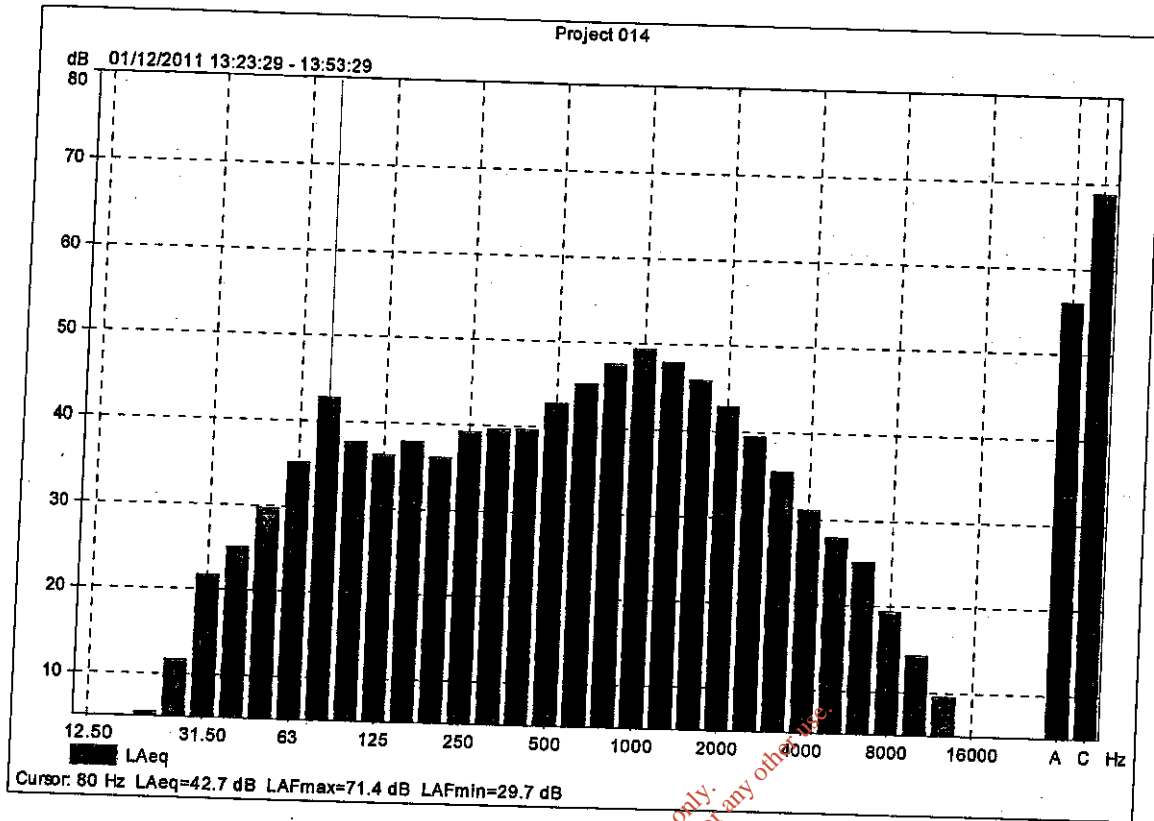
Signed

Date:


17/01/12

APPENDIX 1 1/3 OCTAVE FREQUENCY SPECTRA

Figure 1. 1/3 Octave Frequency spectrum from (Hunter Residence).



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APPENDIX 2: SITE LOCATION MAP

