

For the Attention of

Licensing Unit
Office of Climate, Licensing & Resource
Use,
Environmental Protection Agency,
Headquarters,
PO Box 3000,
Johnstown Castle Estate
Co. Wexford

Our Ref.: DC0137/ART14
Direct Dial: 01 802 0523
Direct Fax: 01 802 0525
Mobile: 086 8333724
e-mail: louise.odonnell@pateltonra.com
Date: 22 January 2008

Waste Licence:	W0238-01
Re.:	Notice in Accordance with Article 14(2)(b)(ii) of the Waste Management (Licensing) Regulations
Enclosed Docs:	Appendix 1- Revised Drawings of the Dust Extraction System Appendix 2- Revised Tables E.1 (ii), E.1 (iii), F.1 and F.2 Appendix 3- Copy of the Manufacturer's Website referring to the 'Euroceptor Bypass Interceptor NSB30' and Oil Separator Manufacturers document from the UK Environment Agency Appendix 4- Revised Non-Technical Summary

Dear Sir/Madam,

Please find enclosed further documentation for the purposes of a Waste Licence Application for Dublin City Council, on behalf of the four Dublin Local Authorities – Dublin City Council, Fingal County Council, South Dublin County Council and Dun Laoghaire Rathdown County Council. Regarding your letter of 4th December 2007 (Ref: W0238-01), please see below responses to queries regarding requirements of compliance with Article 14.

1.0 Dust Extraction System

- 1.1 Information included in the Waste Licence Application (September 2007) in relation to the dust extraction system has been further clarified with the contractor charged with 'design and build' of the MRF facility. A modified dust collection system will be installed. **Point A2-1 will no longer be an emission point.**
- 1.2 The dust management system provider is NIHOT Recycling Technology BV, based in Amsterdam, The Netherlands. Similar systems have been installed at Greenstar (Dublin), ClearPoint (Tipperary), LSS (Leeds, UK) and AVR (Utrecht, The Netherlands).
- 1.3 The dust extraction system will operate such that all exhausted cleaned air will be returned into the building and therefore there will be no emissions to the atmosphere. The expected dust load after the air has been cleaned is <math><1\text{mgr/Nm}^3</math>. The design will be compliant with next European regulations NEN-EN 12779, 94/9EG – ATEX95, 1992/99/EC – ATEX-137, CE Construction Rules and Electromagnetic EMC, NEN60204 and NEN 1010.
- 1.4 In the event of an emergency or breakdown scenario the system will be interlocked with the CP equipment and its operation will be monitored. If the system fails the operator will have the option to run with the dust system non-operational until repaired. Maintenance can be performed while running and during scheduled shutdowns.

- 1.5 Please find revised drawings of the Dust Extraction System (Drawing 12- Rev A) attached in Appendix 1. Please also find attached the technical design aspects of the NIHOT/MODESTA negative dust extraction system, performance table, project items, electric overview and system specifications for the dust collection system to be installed.
- 1.6 Appendix 2 contains revised tables E.1 (ii), E.1 (iii), F.1 and F.2. Section I.1 has not been amended.

2.0 Noise

- 2.1 Currently there is only one residential noise-sensitive receptor located in proximity to the facility. This receptor was noted as 'N1' in Drawing J.1 Env Monitoring Points, included in Appendix 6 of the Waste Licence Application (September 2007). The receptor is located to the north west of the site, approximately 350 metres from the nearest point of the Dublin City Council MRF facility, and therefore the anticipated noise impact of the Dublin City Council MRF would be negligible.
- 2.2 As noted in Section I.6 of the Waste Licence Application (September 2007), the site is located in a high noise area where traffic dominates. The above mentioned noise sensitive location is subject to both local traffic on the Turnpike Road, and from distant traffic on the surrounding network. The operations from the Dublin City Council MRF facility will not contribute significantly to the noise levels at the noise sensitive location.
- 2.3 Regular and ongoing noise monitoring at the adjacent waste facility (Oxigen, EPA Waste Licence W0208-01) has concluded that the site is not a significant noise source in the region and is not having a significant negative impact on the noise environment. The operation of the Dublin City Council MRF is not expected to result in increased noise emissions, relative to previous noise monitoring results for the Oxigen facility.
- 2.4 As per Section 5, Appendix 7 of the Waste Licence Application (September 2007), to enable an assessment of the potential noise levels that will be produced by the facility equipment, a comprehensive noise analysis study has been undertaken at a comparable reference facility in the UK. The reference facility contains equipment supplied by the same manufacturer and is handling input material of a similar percentage breakdown. The noise study showed that due to the absorption and reflection factor of the fabric of the building there was an insignificant amount of noise radiated by the MRF processing equipment outside of the building.

3.0 Surface Water Interceptor

- 3.1 The surface water interceptor to be installed at the facility is a 'Euroceptor Bypass Interceptor NSB30', manufactured by Water Clear Environmental Solutions. The 'Euroceptor Bypass Interceptor NSB30' is a Class 1 Separator and meets BS EN 858-1:2002 standards. Please find enclosed in Appendix 3, a copy of the manufacturer's website referencing the 'Euroceptor Bypass Interceptor NSB30'. Please also find enclosed in Appendix 3 a copy of an Environment Agency (UK) document which lists the manufacturers of oil separators that are compliant with the Construction Products Regulations 1991 (UK).

4.0 Revised Non-Technical Summary

- 4.1 Please see Appendix 4 for a revised non-technical summary.

Please find enclosed two copies of this submission in electronic searchable PDF format on a CD-ROM.

Should you require any further information, please do not hesitate to contact me.

Yours sincerely
on behalf of Dublin City Council,



Louise O'Donnell
Director
Patel Tonra Ltd.

For inspection purposes only.
Consent of copyright owner required for any other use.