



WASTE FACILITY PERMIT



ISSUED UNDER

***THE WASTE MANAGEMENT ACT 1996-as amended
&
THE WASTE MANAGEMENT (FACILITY PERMIT &
REGISTRATION) REGULATIONS 2007 and THE WASTE
MANAGEMENT (FACILITY PERMIT & REGISTRATION)
(AMENDMENT) REGULATIONS 2008.***

Waste Disposal & Recovery Facility

Waste Facility Permit No.: **WFP-WDC-03-12**

Applicant: **Oxigen Environmental**

Location of Facility: **Carriganard, Six Cross Roads, Waterford**

Date of Issue of Permit: **19th February, 2014.**

Valid Until: **19th February, 2019.**

ACTIVITIES PERMITTED

In pursuance of the powers conferred on it by the WASTE MANAGEMENT ACT 1996 as amended and THE WASTE MANAGEMENT (FACILITY PERMIT & REGISTRATION) REGULATIONS 2007 and THE WASTE MANAGEMENT (FACILITY PERMIT & REGISTRATION) (AMENDMENT) REGULATIONS 2008, herein after called The Regulations, Waterford City Council grants this waste facility permit, under Article 35(1) of the said Regulations, to **Oxigen Environmental, Carriganard, Six Cross Roads, Waterford** for the waste activities listed below, subject to the conditions, with the reasons therefor, set out in the permit.

- (1) *Disposal Activities, Classes D13, D14 & D15, as per the Third Schedule of the Waste Management Acts, 1996 as amended.*
- (2) *Recovery Activities, Classes R3, R4, R5, R12 & 13, as per the Fourth Schedule of the Waste Management Acts, 1996 as amended.*
- (3) *Waste Activity, Class 10, as per the Third Schedule (Part 1) of the aforementioned, Waste Facility Permit & Registration as amended.*

THIS PERMIT IS STRICTLY NON-TRANSFERRABLE

I, by virtue of my powers, functions and duties delegated to me as Director of Services under Section 154 of the Local Government Act 2001, hereby order as follows: -

That **Waste Facility Permit WFP-WDC-03-12** be granted to **Oxigen Environmental.**, subject to the conditions attached hereto, for the aforementioned waste activities, at its facility at, **Carriganard, Six Cross Roads, Waterford.**

Signed: _____

Fergus Galvin,
Director of Services
Environmental & Water Services

Date: _____

INTRODUCTION

This introduction is not part of the permit and does not purport to be a legal interpretation of the permit.

This permit is for the operation of a non-hazardous waste transfer station located at Carriganard, Six Cross Roads, Waterford City. The waste types to be accepted at the facility include commercial, industrial and household waste. The permit does not allow for the acceptance of hazardous or liquid waste.

The permit restricts waste processing to inside the waste transfer station. Waste is bulk loaded and transferred to an off-site authorized disposal/recovery facility.

The permit holder must manage and operate the facility to ensure that the activities do not cause environmental pollution. The permit holder is required to carry out regular environmental monitoring and submit all monitoring results, and a wide range of reports on the operation and management of the facility, to the Local Authority.

This permit sets out in detail the conditions under which ***Oxigen Environmental*** will operate and manage this facility.

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Decision & Reasons for the Decisions

Reasons for the Decision

Waterford City Council is satisfied, on the basis of the information available, that, subject to compliance with the conditions attached to this permit, ***Oxigen Environmental's*** waste facility at ***Carriganard, Six Cross Roads, Waterford*** can be operated without causing a significant risk to the environment.

In reaching this decision the Local Authority has considered the application and supporting documentation, received from the applicant, third part objections and the opinion of its inspecting staff. This ***Waste Facility Permit*** is granted in accordance with the terms of the Proposed Decision and the reasons therefor.

Part I- Schedule of Activities Permitted

In pursuance of the powers conferred on it by the Waste Management Acts 1996 as amended and the Waste Management (Facility Permit & Registration) Regulations, 2007, and the Waste Management (Facility Permit & Registration) (Amendment) Regulations, 2008, Waterford City Council (the Local Authority) hereby grants this Waste Facility Permit to ***Oxigen Environmental*** to carry on the waste activity/activities, listed below, at Carriganard, Six Cross Roads, Waterford, subject to conditions, with the reasons therefor and the associated schedules attached thereto, set out in the permit.

Permitted Waste Disposal Activities, in accordance with the Third Schedule of the Waste Management Acts 1996 as amended.

- D 13** Blending or mixing prior to any of the operations number D1 to D12. (if there is not other D code appropriate, this can include preliminary operations prior to disposal including pre-processing such as, amongst others, sorting, crushing, compacting, pelletising, drying, shredding, conditioning or separating prior to submission to any of the operations numbered D1 to D12).
- D 14** Repackaging prior to submission to any of the operations numbered D 1 to D 13.
- D 15** Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage (being preliminary storage according to the definition of ‘collection’ in section 5(1)), pending collection, on the site where the waste is produced).

Permitted Waste Recovery Activities, in accordance with the Fourth Schedule of the Waste Management Acts 1996 to 2008

- R 3** 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.
- R 4** Recycling/reclamation of metals and metal compounds.
- R 5** Recycling/reclamation of other inorganic materials, which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials.
- R 12** Exchange of waste for submission to any of the operations numbered R 1 to R 11 (if there is no other R code appropriate, this can include preliminary operations prior to recovery including pre-processing such as, amongst others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging, separating, blending or mixing prior to submission to any of the operations numbered R1 to R11).
- R 13** Storage of waste pending any of the operations numbered R 1 to R 12 (excluding temporary storage (being preliminary storage according to the definition of ‘collection’ in section 5(1)), pending collection, on the site where the waste is produced”).

Permitted Waste Activity, Class 10, as per the Third Schedule, Part 1, of the Waste Management (Facility Permit & Registration) Regulations, 2007 and/or as Amended, 2008.

- Class 10.** The recovery of waste (not mentioned elsewhere in this part of the third schedule), other than hazardous waste or an activity specified in Category 5 of Annex I of Council Directive 96/61/EC, where—
- (a) the annual intake does not exceed 50,000 tonnes, and
 - (b) the maximum quantity of residual waste consigned from the facility for onward transport and submission to disposal at an authorised facility shall not exceed 15% of the annual intake.

Part II- Conditions

Condition 1. Scope

- 1.1 Waste activities at this facility shall be restricted to those listed and described in Part 1 – Schedule of Activities Permitted.
- 1.2 Activities at this facility shall be limited as set out in Schedule A: Limitations, of this permit.
- 1.3 The facility shall be controlled, operated and maintained, and emissions shall take place, as set out in this permit. All programmes required to be carried out under the terms of this permit, become part of this permit.
- 1.4 Activities shall be carried on in such a manner as will give effect to the provisions of the ***Community Acts***, specified in the Second Schedule of the Regulations, where they apply to operations at the facility.
- 1.5 Activities shall be carried on, at the facility, in such a manner as will give effect to the objectives of the ***Joint Waste Management Plan for the South East Region, 2006, and any subsequent Waste Management Plan for the region***, where they apply to the operations at the facility.
- 1.6 For the purposes of this permit, the facility authorised by this permit, is the area of land outlined on the Site Plan submitted with the application. Any reference in this permit to “facility” shall mean the area thus outlined and the licensed activities shall be those activities carried on only within the area outlined.
- 1.4 No alteration to, or reconstruction in respect of, the activity or any part thereof, which would, or would likely, result in:
- (a) a material change or increase in:
- The nature or quantity of any emission,
 - The abatement treatment or recovery systems,
 - The range of processes to be carried out,
 - The fuels, raw materials, intermediates, products or wastes generated, *or*
- (b) any changes in:
- Site management infrastructure or control with adverse environmental significance,
- shall be carried out or commenced without prior notice to, and without the agreement of, the Local Authority.
- 1.5 This permit is for the purposes of waste licensing under the Waste Management Acts 1996 as amended only and nothing in this permit shall be construed as negating the permit holders statutory obligations or requirements under any other enactments or regulations.
- 1.7 **Waste Acceptance Hours and Hours of Operation.**
- 1.7.1 With the exception of emergencies or as may be agreed by the local authority, waste shall be accepted at the facility only between the hours of 0800 to 1800 Monday to Friday inclusive (excluding Bank Holidays) and 0800 to 1400 on Saturdays and Bank Holidays.
- 1.7.2 The facility shall be operated only during the hours of 0700 to 1800 Monday to Friday inclusive (excluding Bank Holidays) and 0700 to 1700 on Saturdays and bank holidays unless otherwise agreed by the local authority.

- 1.7.3 There shall be one entry/exit gate to the facility only. There shall be suitable security fencing erected at the boundary with the adjacent premises such as to prevent the movement of vehicles between the sites.
- 1.7.4 The total annual intake of waste at this facility shall not exceed 19,000 tonnes .

Reason: To clarify the scope and limits of this permit.

Condition 2. Management of the Facility

2.1 Facility Management

- 2.1.1 The permit holder shall employ a suitably qualified and experienced facility Manager, who shall be designated as the person in charge. The facility manager or a nominated, suitably qualified and experienced, deputy shall be present on the facility at all reasonable times during its operation or as otherwise required by the Local Authority.
- 2.1.2 The permit holder shall ensure that personnel, performing specifically assigned tasks, shall be qualified on the basis of appropriate education, training and experience, and shall be aware of the requirements of this permit and waste legislation.
In addition, the facility manager and his/her deputy shall successfully complete the FAS waste management training programme or equivalent agreed with the Local Authority.

2.2 Environmental Management System (EMS)

- 2.2.1 The permit holder shall maintain an Environmental Management System (EMS) at the facility. The EMS shall be updated on an annual basis.
- 2.2.2 The EMS shall include, as a minimum, the following elements:
- 2.2.2.1 A Management and Reporting Structure.
- 2.2.2.2 A Schedule of Environmental Objectives and Targets.

The permit holder shall prepare a Schedule of Environmental Objectives and Targets. The Schedule shall, as a minimum, provide for a review of all operations and processes using Best Available Technology, including an evaluation of practicable options, for energy and resource efficiency, the use of cleaner technology, cleaner production, and the prevention, reduction and minimisation of waste, and shall include waste reduction targets. The Schedule shall include time frames for the achievement of set targets and shall address a five-year period as a minimum. The Schedule shall be reviewed annually and amendments thereto notified to the Local Authority for agreement as part of the Annual Environmental Report (AER).

2.2.2.3 An Environmental Management Programme (EMP).

The permit holder shall maintain an EMP, which shall include:

- (a) Designation of responsibility for targets,
- (b) The means by which they may be achieved,
- (b) The time within which they may be achieved.

The EMP shall be reviewed annually and amendments thereto notified to the local authority for agreement as part of the Annual Environmental Report (AER) (Condition 2.2.2.2).

A report on the programme, including the success in meeting agreed targets, shall be prepared and submitted to the Local Authority as part of the AER. This report and all such reports, shall be retained on-site for a period of not less than seven years and shall be available for inspection by authorised persons of the Local Authority.

2.2.2.4 Documentation:

- (i) The permit holder shall maintain an environmental management documentation system which shall be to the satisfaction of the Local Authority.
- (ii) The permit holder shall issue a copy of this permit to all relevant personnel whose duties relate to any condition of this permit.

2.2.2.5 Corrective Action:

The permit holder shall maintain procedures to ensure that corrective action is taken should the specified requirements of this permit not be fulfilled. The responsibility and authority for initiating further investigation and corrective action in the event of a reported nonconformity with this permit, shall be defined.

2.2.2.6 Awareness and Training:

The permit holder shall maintain procedures for identifying training needs, and for providing appropriate training, for all personnel whose work can have a significant effect upon the environment. Appropriate records of training shall be maintained.

2.2.2.7 Communications Programme

The permit holder shall maintain a Communications Programme to ensure that members of the public can obtain information at the facility, at all reasonable times, concerning the environmental performance of the facility.

Reason: To make provision for management of the activity on a planned basis with regard to the desirability of ongoing assessment, recording and reporting of matters affecting the environment.

Condition 3. Infrastructure and Operation

3.1 The permit holder shall ensure that all infrastructures, referred to in this permit or as required by the conditions of this permit, are in place and maintained.

3.2 Facility Notice Board

3.2.1 The permit holder shall provide and maintain a Facility Notice Board on the facility so that it is legible to persons from outside the main entrance to the facility. The minimum dimensions of the board shall be 1200 mm by 750mm.

- 3.2.2 The board shall clearly show:
- a) the name and telephone number of the facility;
 - b) the normal hours of opening;
 - c) the name of the permit holder;
 - d) an emergency out of hours contact telephone number;
 - e) the permit reference number; *and*
 - f) where environmental information relating to the facility can be obtained.

3.3 Facility Security

- 3.3.1 Security fencing and gates shall be maintained around the facility boundary. Suitable security fencing shall be erected at the boundaries to the adjacent sites so as to prevent the movement of vehicles between the sites.
- 3.3.2 Closed circuit television shall be operated at the facility and shall be directed at the entrance gates. Recordings from the closed circuit television cameras shall be provided to the local authority on request. No recording tape/disc shall be recorded over until one week has lapsed since its last recording. Therefore, at least one week's recordings should be available at all times. All tapes/discs must be locked in a secure cabinet. The date and time settings on the cameras are to be checked prior to recording to ensure its accuracy.
- 3.3.2 Gates shall be locked shut when the facility is unsupervised.
- 3.3.3 The permit holder shall remedy any defect in the gates and/or fencing as follows:-
- (i) a temporary repair shall be made by the end of the working day; and
 - (ii) a repair to the standard of the original gates and/or fencing shall be undertaken within three working days.

3.4 Facility Roads and Site Surfaces

- 3.4.1 Effective site roads shall be maintained to ensure the safe movement of vehicles within the facility.
- 3.4.2 No vehicle shall be loaded/unloaded whilst parked on a public road; all loading and unloading must be carried out within the facility.
- 3.4.3 Traffic awaiting access to the facility shall not queue along the public road.
- 3.4.4 All litter or illegally dumped waste on site and on the public road that runs adjacent to the facility shall be removed and disposed of appropriately on a daily basis and prior to closure each day.
- 3.4.5 The permit holder shall maintain an impermeable hard standing surface at the facility entrance area, at the car parking area, and where vehicle movement takes place. The floor of the waste handling and storage areas shall be concreted and constructed to British Standard 8110.

3.5 Facility Office

- 3.5.1 The permit holder shall provide and maintain an office at the facility. The office shall be constructed and maintained in a manner suitable for the processing and storing of documentation.

- 3.5.2 The permit holder shall provide and maintain a working telephone and a method for electronic transfer of information at the facility.

3.6 Waste Inspection and Quarantine Areas (Bunded Area)

- 3.6.1 A Waste Inspection Area and a separate Waste Quarantine Area shall be provided and maintained at the facility.
- 3.6.2 These areas (as in 3.6.1 above) shall be constructed and maintained in a manner suitable, and be of a size appropriate, for the inspection of waste and subsequent quarantine if required. The waste inspection area and the waste quarantine area shall be clearly identified and segregated from each other. The quarantine area is to be sealed and covered.
- 3.6.3 Drainage from these areas shall be directed to the foul water drainage network.

3.7 Weighbridge and Wheel Cleaning

- 3.7.1 The permit holder shall provide and maintain a weighbridge and a wheel cleaner at the facility.
- 3.7.2 The weighbridge must be in operation at all times and all waste entering and leaving this facility must be weighed. From this, records, including the following, must be produced and maintained: the weight of the waste recorded, the date and time of weighing, waste description (including EWC Code), vehicle registration number, transaction number, docket/receipt number, waste haulier/collector, destination of waste (authorised facility) and origin of waste.
- 3.7.3 A hardcopy of a printout/docket for each transaction must be maintained and supplied to the Local Authority if requested.
- 3.7.4 If the weighbridge is out of operation for any reason, the permit holder must maintain a record and must immediately contact Waterford City Council by phone or email.
email: Environservices@waterfordcity.ie
Ph. Number: 051-849927
The permit holder shall contact the local authority in writing not later than the next working day.
- 3.7.5 The wheel cleaner shall be used by all vehicles leaving the facility as required to ensure that no process water or waste is carried off-site. All water from the wheel cleaning area shall be directed to the wastewater interceptor.

3.8 Waste handling, ventilation and processing plant

- 3.8.1 All wastes shall be stored in the Transfer building or in enclosed and sealed containers if stored outside this building.
- 3.8.2 The loading of waste is not to be carried out by pushing against a party wall or a fence. A freestanding loading wall shall be provided if such loading practices are required. Access to this area should be restricted during loading.

- 3.8.3 The permit holder shall clearly label and provide safe and permanent access to all on-site sampling and monitoring points and to off-site points as required by the Local Authority.
- 3.8.4 All vehicles shall be stored in the Transfer building when the facility is closed.
- 3.8.5 (a) Prior to commencement of operations at the facility, recommended steps 1, 2 and 3 contained in the Odour Control Report dated 5th December 2013 shall be completed as follows:
- No waste shall remain at the facility overnight.
 - The integrity of the Transfer building structure shall be improved such that the building fabric is sealed.
 - An odour neutralizing spraying system shall be installed to cover the loading and storage areas of the Transfer building. The system shall be designed and installed by a suitably qualified odour control professional.
- (b) Within 6 months of commencement of operations at the facility recommended steps 4, 5 and 6 contained in the Odour Control Report dated 5th December 2013 shall be assessed and a report completed by a suitably qualified odour control professional submitted for the approval of the Local Authority for their approval.

3.9 Tank and Drum Storage

- 3.9.1 All tank and drum storage areas shall be rendered impervious to the materials stored therein.
- 3.9.2 All tank and drum storage areas shall, as a minimum, be bunded, either locally or remotely, to a volume not less than the greater of the following:-
- (i) 110% of the capacity of the largest tank or drum within the bunded area *or*
 - (ii) 25% of the total volume of substance, which could be stored within the bunded area.
- 3.9.3 All drainage from bunded areas shall be diverted for collection and safe disposal.
- 3.9.4 All inlets, outlets, vent pipes, valves and gauges must be within the bunded area.
- 3.9.5 The integrity and water tightness of all the bunding structures and their resistance to penetration by water or other materials stored therein shall be tested and demonstrated by the permit holder at least once every three years.
- 3.9.6 The permit holder shall have in storage an adequate supply of containment booms and/or suitable absorbent material to contain and absorb any spillage at the facility. Once used the absorbent material shall be disposed of at an appropriate facility.
- 3.9.7 Silt Traps and Oil Separators:
The permit holder shall install and maintain silt traps and oil separator at the facility to ensure that all storm water discharges from the facility pass through a silt trap and oil separator prior to discharge. The separator shall be a Class I full retention separator and the silt traps and separator shall be in accordance with I.S. EN 585-2:2003 (separator systems for light liquids).
- 3.9.8 All pump sumps, or other treatment plant chambers from which spillage of environmentally significant materials might occur in such quantities as are likely to breach local or remote containment or separator, shall be fitted

with high liquid level alarms (or oil detectors as appropriate) within six months of the date of grant of this permit.

- 3.9.9 The permit holder shall provide and use adequate lighting during the operation of the facility in hours of darkness.
- 3.9.10 A motion sensor lamp shall be operated when the facility is closed (outside allowable operational hours as per Condition 1.7), the light shall be directed towards the entrance/exit gates and shall provide adequate illumination to allow the CCTV cameras to identify all activities at the gates.
- 3.9.11 The permit holder should be aware of his obligations as an employer under the Safety, Health and Welfare at Work Act, 2005 as amended.

3.10 Fire Safety

- 3.10.1 In addition to any Fire Certification, Planning Condition, Fire Authority or any other Fire Safety requirements, the Permit Holder shall, prior to commencement of operations, put in place all of the Fire:- Prevention, Warning, Control, Fighting, Escape, Signing, Lighting, Response planning and Training requirements described in the EPA's Guidance Note: Fire Safety At 'Non-Hazardous Waste Transfer Stations, EPA 2013.

Reason : To provide for appropriate operation of facility to ensure protection of the environment.

Condition 4. Interpretation

- 4.1 Noise from the facility shall not give rise to sound pressure levels (Leq,30 mins), measured at the boundary of the activity, which exceed the limit value (see schedule B for limits) for such activities.

Reason: To clarify the interpretation of emission limit values fixed under the permit.

Condition 5. Emissions

- 5.1 No specified emission from the facility shall exceed the emission limit values set out in ***Schedule B: Emission Limits*** of this permit. There shall be no other emissions of environmental significance.
- 5.2 The permit holder shall ensure that the activities shall be carried out in a manner such that emissions including odours do not result in significant impairment of, and/or significant interference with amenities or the environment beyond the facility boundary.
- 5.3 No substance shall be discharged in a manner, or at a concentration, which, following initial dilution, causes tainting of fish or shellfish.
- 5.4 The permit holder shall ensure that vermin, birds, flies, mud, dust, litter and odours do not give rise to nuisance at the facility or in the immediate area of the facility. Any method used by the permit holder to control any such nuisance shall not cause environmental pollution.
- 5.5 There shall be no direct emissions to groundwater.

Reason: To provide for the protection of the environment by way of control and limitation of emissions

Condition 6. Control and Monitoring

- 6.1 The permit holder shall carry out such sampling, analyses, measurements, examinations, maintenance and calibrations as set out below and as required by Schedule C, *Control and Monitoring*, of this permit:
- 6.1.1 Analysis shall be undertaken by competent staff in accordance with documented operating procedures.
 - 6.1.2 Such procedures shall be assessed for their suitability for the test matrix and performance characteristics determined.
 - 6.1.3 Such procedures shall be subject to a programme of Analytical Quality Control using control standards with evaluation of test responses.
 - 6.1.4 Where analysis is sub-contracted it shall be to a competent laboratory.
- 6.2 All automatic monitors and samplers shall be functioning at all times (except during maintenance and calibration) when the activity is being carried on unless alternative sampling or monitoring has been agreed in writing by the local authority for a limited period. In the event of the malfunction of any continuous monitor, the permit holder shall contact the local Authority as soon as practicable, and alternative sampling and monitoring facilities shall be put in place. Agreement for the use of alternative equipment, other than in emergency situations, shall be obtained from the Local Authority.
- 6.3 Monitoring and analysis equipment shall be operated and maintained as necessary so that monitoring accurately reflects the emission or discharge.
- 6.4 All treatment/abatement and emission control equipment shall be calibrated and maintained, in accordance with the instructions issued by the manufacturer/supplier or installer.
- 6.5 The frequency, methods and scope of monitoring, sampling and analyses, as set out in this permit, may be amended with the agreement of the Local Authority following evaluation of test results.
- 6.6 Process Effluent
- 6.6.1 The bunds, silt traps and oil separators shall be inspected weekly, desludged as necessary and properly maintained at all times. All sludge and drainage from these operations shall be collected for appropriate disposal.
 - 6.6.2 The permit holder shall permit authorised persons of the Local Authority and the Sanitary Authority to inspect, examine and test, at all reasonable times, any works and apparatus installed, in connection with the discharge or emission, and to take samples of the discharge or emission.
 - 6.6.3 No discharge or emission to sewer shall take place, which might give rise to any reaction within the drains/storage tanks or to the liberation of by-products, which may be of environmental significance.
- 6.7 Storm water
- 6.7.1 The drainage system, bunds, silt traps and oil separators shall be inspected weekly, desludged as necessary and properly maintained at all times. All sludge and drainage from these operations shall be collected for safe disposal. An annual test analysis shall be undertaken at each of the storm water monitoring points.

- 6.8 The permit holder 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 Local authority.
- 6.9 The permit holder shall, at a minimum of once per day, inspect the facility and its immediate surrounds for nuisances caused by litter, vermin, birds, flies, mud, dust and odours. A log of such inspections shall be maintained. All aforementioned objects shall be immediately, and in any event by 1000 hrs of the next working day after such waste is discovered, removed and disposed of correctly.
- 6.10 Litter Control
- 6.10.1 All loose litter or other waste from the carrying on of the waste activities, arising on or in the vicinity of the facility, other than in accordance with the requirements of this permit, shall be removed, subject to the agreement of the landowners, immediately and in any event by 1000 hrs of the next working day after such waste is discovered.
- 6.10.3 The permit holder shall ensure that all vehicles, delivering waste to and removing waste and materials from the facility, are appropriately covered.
- 6.11 Dust/Odour Control
- 6.11.1 All waste for disposal, stored overnight at the facility, shall be stored within the materials recovery building or in suitably covered and enclosed containers.
- 6.11.2 In dry weather, the site and any other areas used by vehicles shall be sprayed with water and swept with a mechanical suction sweeper as and when required and/or when instructed by the Local Authority, to minimise airborne dust nuisance. The Local Authority may also instruct the permit holder to spray and sweep the public roads adjacent to the facility.
- 6.11.3 The permit holder shall maintain adequate measures for the control of odours and dust emissions, including fugitive dust emissions, from the facility.
The odour management system shall at a minimum include the following: -
- (i) Dust curtains (or equivalent approved by the Local Authority) shall be maintained, as appropriate, on the entry/exit points from the waste storage building; all other doors in this building shall be kept closed where possible. It is important that adequate ventilation is provided for operatives working inside this building.
- (ii) Provision of **100%** duty capacity and **20%** stand by capacity, back ups and spares must be provided for the air handling, ventilation and abatement plant.
- 6.11.4 The permit holder shall maintain an odour management programme to the satisfaction of the Local Authority. The programme shall include, as a minimum, procedures for the handling of biodegradable waste.
- 6.12 Operational Controls
- 6.12.1 The floor of the waste storage building and storage bays shall be emptied, cleaned and washed down on a daily basis.
- 6.12.2 Scavenging shall not be permitted at the facility.
- 6.12.3 The permit holder shall provide and use adequate lighting during the operation of the facility in hours of darkness.

- 6.12.4 Fuels shall be stored only at appropriately bunded locations on the facility.
- 6.12.5 All tanks and drums shall be labelled to clearly indicate their contents.
- 6.12.6 There shall be no casual public access to the facility.

Reason: To provide for the protection of the environment by way of treatment and monitoring of emissions.

Condition 7. Materials Handling

- 7.1 Disposal or recovery of waste shall only take place in accordance with the conditions of this permit and in accordance with the appropriate National and European legislation and protocols.
- 7.2 Only an authorised waste contractor shall transport waste sent off-site for recovery or disposal. The waste shall be transported only from the site of the activity to the site of recovery/disposal in a manner which will not adversely affect the environment and in accordance with the appropriate National and European legislation and protocols.
- 7.3 The permit holder shall ensure that waste prior to transfer to another person shall be classified, packaged and labelled in accordance with National, European and any other standards which are in force in relation to such labelling.
- 7.4 Waste shall be stored internally in designated areas and protected, as may be appropriate, against spillage and leachate run-off. The waste is to be clearly labelled and appropriately segregated.
- 7.5 Waste Acceptance and Characterisation Procedures:
 - 7.5.1 Waste, unless exempted or excluded, shall only be accepted at the facility from holders of waste collection permits, issued under the Waste Management Acts 1996 as amended and the Waste Management (Collection Permit) Regulations 2007 (as amended). Copies of these waste collection permits must be maintained at the facility.
 - 7.5.2 Waste arriving at the facility shall be weighed, documented and directed to the Waste Storage Building. Each load of waste arriving at the Waste Storage Building shall be inspected upon tipping within this building. Only after such inspections shall the waste be processed for disposal or recovery.
 - 7.5.3 Any waste deemed unsuitable for processing at the facility and/or in contravention of this permit shall be immediately separated and removed from the facility at the earliest possible time. Temporary storage of such wastes shall be in a designated Waste Quarantine Area. Waste shall be stored under appropriate conditions in the waste quarantine area to avoid putrefaction, odour generation, the attraction of vermin and any other nuisance or objectionable condition and properly disposed of thereafter.
 - 7.5.4 A record of all inspections of incoming waste loads shall be maintained.
- 7.6 Off-site Disposal and Recovery:

All waste transferred from the facility shall be transferred by an authorised or exempted carrier, and only to an appropriate facility agreed by the Local Authority. Any request for agreement of such a facility shall be forwarded to the Local Authority in writing at least one month in advance of its proposed use and shall include the following;

 - (i) A copy of the waste facility permit or waste licence where applicable.
 - (ii) The proposed waste types and quantities.
 - (iii) Details of any limitations on waste types and quantities acceptable at the facility.

Reason: To provide for the appropriate handling of materials and the protection of the environment.

Condition 8. Accident Prevention and Emergency Response

- 8.1 The permit holder shall ensure that a documented Accident Prevention Policy is in place, which will address the hazards on-site, particularly in relation to the prevention of accidents with a possible impact on the environment. This procedure shall be reviewed annually and updated as necessary.
- 8.2 The permit holder shall ensure that a documented Emergency Response Procedure is in place, which shall address any emergency situation, which may originate on-site. This Procedure shall include provision for minimising the effects of any incident and resultant emergency response, on the environment. This Procedure shall be reviewed annually and updated as necessary.
- 8.3 In the event of an incident the permit holder shall immediately: -
- (i) isolate the source of any such emission;
 - (ii) carry out an immediate investigation to identify the nature, source and cause of the incident and any emission arising therefrom;
 - (iii) evaluate the environmental pollution, if any, caused by the incident;
 - (iv) identify and execute measures to minimise the emissions/malfunction and the effects thereof, and
 - (v) identify the date, time and place of the incident.

The permit holder shall provide a proposal to the Local Authority for its agreement within one month of the incident occurring or as otherwise agreed with the Local Authority to:

- identify and put in place preventative measures to avoid recurrence of the incident;
and
- identify and put in place any other appropriate remedial action.

- 8.4 Emergencies
No waste shall be burnt within the boundaries of the facility. A fire at the facility shall be treated as an emergency and immediate action shall be taken to extinguish it and notify the appropriate authorities.

Reason: To Provide for the protection of the environment.

Condition 9. Decommissioning.

- 9.1 Following termination, or planned cessation for a period greater than six months, of use or involvement of all or part of the site in the permitted activity, the permit holder shall, to the satisfaction of the Local Authority, decommission, render safe or remove for disposal and recovery, any soil, sub soils, buildings, plant or equipment, or any waste, materials or substances or other matter contained therein or thereon, that may result in environmental pollution. The permit holder shall carry out such tests, investigation or submit certification, as requested by the Local Authority, to confirm that there is no risk to the environment.
- 9.2 Decommissioning Management Plan (DMP)
- 9.2.1 The Permit holder shall prepare to the satisfaction of the Authority, a fully detailed and costed plan for the decommissioning or closure of the site or part thereof. This plan shall be submitted to the Authority for agreement prior to commencement of Waste Acceptance at the Facility.

9.2.2 The Plan shall be reviewed annually and proposed amendments thereto notified to the Authority for agreement as part of the AER. No amendments may be implemented without the agreement of the Authority.

9.2.3 The Permit Holder shall have regard to the EPA Guidance on Environmental Liability Risk Assessment, Residuals Management Plans and Financial Provision when implementing Condition 9.2.1 and 9.2.2 above.

9.3 The Decommissioning Management Plan shall include, as a minimum, the following:

- (i) a scope for the plan;
- (ii) the criteria that define the successful decommissioning of the activity or part thereof, which insures minimum impact on the environment;
- (iii) a programme to achieve the stated criteria;
- (iv) where relevant, a test programme to demonstrate the successful implementation of the decommissioning plan: and
- (v) details of the costings of the plan and the financial provisions to undertake those costs.

9.4 A final Validation report to include a certificate of completion for the Decommissioning Management Plan, for all or part of the site as necessary, shall be submitted to the Authority within three months of the execution of the plan. The Permit Holder shall carry out such tests, investigations or submit certification, as requested by the Authority, to confirm that there is no continuing risk to the environment.

Reason: To make provision for the proper closure of the facility ensuring protection of the environment.

Condition 10. Notifications, Records and Reports

10.1 The permit holder shall notify the local Authority, by both telephone and facsimile (below) as may be specified by the Local Authority, and in writing as soon as practicable after the occurrence or as stated in previous conditions, of any of the following:

- (i) Any release of environmental significance to atmosphere from any potential emission point including bypass.
- (ii) Any emission, which does not comply with the requirements of this permit.
- (iii) Any malfunction or breakdown of key control equipment or monitoring equipment set out in ***Schedule C: Control Monitoring***, which is likely to lead to loss of control of the abatement system.
- (iv) Any incident with the potential for environmental contamination of surface water/groundwater or posing an environmental threat to air/land, or requiring an emergency response by the Local Authority.

The permit holder shall include, as part of the notification, the date and time of the incident, summary details of the occurrence and, where available, the steps taken to minimise any emissions.

Phone Number: 051-849927 **email:** Environservices@waterfordcity.ie

Address: Director of Services, Environmental Services & Planning, Waterford City Council, Menapia Building, The Mall, Waterford.

- 10.2 The permit holder shall make a record of any incident at the facility. This record shall include details of the nature, extent, impact of, and circumstances giving rise to, the incident. The record shall include all corrective actions taken to, manage the incident, minimise wastes generated and the effect on the environment, and avoid recurrence. The permit holder shall, as soon as practicable following incident notification, submit to the Local Authority the incident record.
- 10.3 The permit holder shall record all complaints of an environmental nature related to the operation of the activity. Each such record shall give details of the date and time of the complaint, the name of the complainant and the nature of the complaint. A record shall also be kept of the response made in the case of each complaint.
- 10.4 The permit holder shall record all sampling, analyses, measurements, examinations, calibrations and maintenance carried out in accordance with the requirements of this permit and all other such monitoring which relates to the environmental performance of the facility.
- 10.5 The permit holder shall as a minimum keep the following documents at the site:
- (i) the facility permit relating to the site;
 - (ii) the current EMS for the facility;
 - (iii) the previous year's AER for the facility;
 - (iv) records of all sampling, analyses, measurements, examinations, calibrations and maintenance carried out in accordance with the requirements of this permit and all other such monitoring which relates to the environmental performance of the facility;
 - (iv) relevant correspondence with the Local Authority;
 - (v) up-to-date site drawings/plans showing the location of key processes and environmental infrastructure, including monitoring locations and emission points.
- This documentation shall be available to the Local Authority for inspection at all reasonable times.
- 10.6 The permit holder shall submit reports to the Local Authority as required by this facility permit and in accordance with ***Schedule E: Annual Environmental Report***, of same.
- 10.7 The permit holder shall submit to the Local Authority, not later than the 28th day of February in each year, an AER covering the previous calendar year. This report, which shall be to the satisfaction of the Local Authority, shall include as a minimum the information specified in ***Schedule E*** and shall be prepared in accordance with any relevant guidelines issued by the Local Authority.
- 10.8 A full record, which shall be open to inspection by **Authorised Persons** of the Local Authority at all times, shall be kept by the permit holder on matters relating to the waste management operations and practices at the site. This record shall be completed on a monthly basis and shall as a minimum contain details of the following:
- (i) The tonnages and EWC Code for the waste materials imported and/or sent off-site for disposal and recovery.
 - (ii) The names of the agent and carrier of the waste, and their waste collection permit details, (including issuing authority and vehicle registration number).
 - (iii) Details of the ultimate disposal/recovery destination facility for the waste and its appropriateness to accept the consigned waste stream, including its permit details and issuing authority, if required.

- any
- (iv) Written confirmation of the acceptance and disposal/recovery of hazardous waste consignments sent off-site.
- as
- (v) Details of all wastes consigned abroad for Recovery and classified 'Green' in accordance with the EU Transfrontier Shipment of Waste Regulations (Council Regulation EEC No. 259/1993, as amended).
- The rationale for the classification must form part of the record. (Please note that, *Dublin City Council* is the *Competent Authority of Despatch, Destination & Transit* for the export, import & passage, respectively, of waste from, into & through this State.)
- (vi) Details of any rejected consignments.
- (vii) Details of any approved waste mixing.
- (viii) The results of any waste analyses required under *Schedule C: Control & Monitoring* of this permit.
- (ix) The tonnages and EWC Code for the waste materials recovered /disposed of on site.

10.9 Waste Recovery Reports

The permit holder shall as part of the EMP submit a report on the contribution by the facility to the achievement of the recovery targets stated in national and European Union waste policies and shall include the following: -

- (i) proposals for the contribution of the facility to the achievement of targets for the reduction of biodegradable waste to landfill as specified in the Landfill Directive;
- (ii) the separation of recyclable materials from the waste;
- (iii) the recovery of Construction and Demolition Waste;
- (iv) the recovery of metal waste and WEEE;

Reason: To provide for the collection and reporting of adequate information on the activity.

Condition 11. Financial Charges and Provisions

11.1 Local Authority Charges

- 11.1.1 The permit holder shall pay to the Local Authority an annual contribution of **€1,500** or such sum as the Local authority from time to time determines, having regard to variations in the extent of reporting, auditing, inspection, sampling and analysis or other functions carried out by the Local authority, towards the cost of monitoring the activity as the Local Authority considers necessary for the performance of its functions under the Waste Management Acts 1996 as amended. The first payment shall be made to Waterford City Council within one month of the date of issue of this Permit. In subsequent years the permit holder shall pay to the Local authority such revised annual contribution as the Local Authority shall from time to time consider necessary to enable performance by the Local authority of its relevant functions under the Waste Management Acts 1996 as amended, and all such payments shall be made within one month of the date upon which demanded by the Local Authority.

- 11.1.2 In the event that the frequency or extent of monitoring or other functions carried out by the Local Authority needs to be increased the permit holder shall contribute such sums as determined by the Local Authority to defraying its costs in regard to items not covered by the said annual contribution.
- 11.1.3 The Permit Holder shall provide a cash deposit or a bond of an insurance company or other security in the amount of **€10,000.00** (ten thousand euro) within three months of the date of grant of this permit. This financial provision shall be utilised to defray any costs that maybe incurred by Waterford City Council for Waste Transfer, Waste Disposal, Waste Treatment etc, at this facility & to satisfy the requirements of Condition 9 - Decommissioning Plan.
- 11.1.4 In operating the waste activity at the site which is the subject of this Waste Facility Permit (including facility restoration and aftercare), the Permit Holder shall obtain and maintain a policy of insurance as follows:
- 11.1.4.1 Policy of insurance in the name of the Permit Holder in respect of any liability on the Permit Holders part to pay any damages or costs on account of injury to persons or property arising from the activities concerned and for remedial actions following anticipated events or accidents / incidents, as may be associated with the carrying on of the waste activity at the facility,
- 11.1.4.2 The policy of insurance shall be extended to indemnify Waterford City Council.
- 11.1.4.3 The Permit Holder must submit details of the above insurance to Environment Enforcement at Waterford City Council for approval within two months of the date of issue of this permit.
Thereafter, a valid policy of insurance must be submitted with the Annual Environmental Report (AER).
- 11.1.5 The Permit Holder shall ensure that sufficient financial resources are available to cover unknown environmental liabilities that may occur during the operating life of the facility. The level of financial provision for unknown environmental liabilities shall be calculated using the Environmental Protection Agency guidance document on 'Environmental Liability Risk Assessment, Residuals Management Plans and Financial Provision', 2006.

Reason: To provide for adequate financing for monitoring and financial provisions for measures to protect the environment.

Schedule A: Activity Limitations

The waste related processes which are authorised are as per Part I of this Permit: Schedule of Activities Permitted.

No additions to these processes are permitted unless agreed in advance with the Local Authority.

The annual intake of waste at this site/facility shall not exceed **19,000 tonnes**, in total.

Schedule B: Emission Limits

B.1 Emissions of Air

There are no Emissions to Air of Environmental significance.

B.2 Emissions to Water

There are no Emissions to Water of environmental significance.

B.3 Emission to Sewer

There are no Emissions to Sewer of environmental significance.

B. 4. Noise Emissions

During the operational phase of the facility, the noise level arising from the facility, as measured at the site boundary, shall not exceed:-

- An LAeq, 30 minutes value of 55 dB(A) during the period 0800 to 2200 hours from Monday to Saturday inclusive.
- An LAeq, 15 minutes value of 45 dB(A) at any other time. The noise at such time shall not contain a tonal component.

All sound measurement shall be carried out in accordance with ISO Recommendation R 1996 “Assessment of Noise with respect to Community Response” as amended by ISO Recommendations R1996 1, 2 or 3 “Description and Measurement of Environmental Noise”, as applicable.

Schedule C: Control &Monitoring

C.1.1 Control of Emissions to Air

There are no Point source emissions to air of environmental significance.

C.1.2 Monitoring of Emissions to Air

There are no Point source emissions to air of environmental significance.

C.2.1 Control of Emissions to Water

There are no emissions to water of environmental significance.

C.2.2 Monitoring of Emissions to Surface Water

Location	Measurement	Frequency
SW1, SW2, SW3	pH, Temp, COD, BOD, SS, Total Ammonia, Total Nitrogen, Conductivity, Mineral oil, Sulphate	Annually
SW1, SW2, SW3	Visual Inspection, take sample and examine For colour and odour	Daily

C.3 Noise Monitoring

Location	Measurement	Frequency
N1	LAeq (30minutes)	Annually
N2	LAeq (30 Minutes)	Annually
N3	LAeq (30 Minutes)	Annually

C.4 Ambient Monitoring

Dust deposition Monitoring

Locations : Dust 1, Dust 2 and Dust 3 as indicated in Site Plan of the Application (date stamped 10 Dec 2012)

Parameter	Monitoring Frequency	Analysis Method/Technique
Dust deposition 1)	Three times a year (Note 2)	Standard Method (Note

Note 1: Standard method VD12119 (Measurement of Dust fall, Determination of Dust fall using Bergerhoff Instrument (Standard Method) German Engineering Institute). A modification (not included in the Standard) with 2 methoxy ethanol may be employed to eliminate interference due to algae growth in the gauge.

Note 2: Twice during the period May to September.

Schedule D: Reporting

Completed reports shall be submitted to:

Director of Services,
Environmental Services & Planning,
Waterford City Council
Menapia Building,
The Mall,
Waterford.

Reports should be forwarded as required in the permit and as set out below:

Report	Reporting Frequency *	Report Submission Date
Annual Environment Report (AER)	Annually	by 28 th February of each year
Record of incidents	as they occur	within five days of the incident
Weighbridge out of operation	as they occur	phone/fax immediately & written report on the following working day.

* Unless otherwise requested by the Waterford City Council.

Schedule E: Annual Environmental Report

Annual Environmental Report (AER) shall contain details of the following, from the previous year:

Waste activities carried out at the facility.
Emissions from the facility.
Quantity and Composition of waste recovered, received and disposed of during the reporting period and each previous year (relevant EWC codes to be used).
Resource consumption summary.
Complaints summary.
Schedule of Environmental Objectives and Targets
Environmental management programme - report for previous year
Environmental management programme - proposal for current year
Noise monitoring report summary
Ambient monitoring summary
Bund tank and container integrity assessment
Tank and pipeline testing and inspection report
Reported incidents summary
Energy efficiency audit report summary
Development / Infrastructural works summary (completed in previous year or prepared for current year).
Management and staffing structure of the facility, and a programme for public information
Statement of measures in relation to prevention of environmental damage and remedial actions (Environmental Liabilities)
Full title and a written summary of any procedures developed by the permit holder in the year, which relates to the facility operation.
Waste Recovery Report.
Review of Nuisance Controls.
Any other items specified by the Local Authority.

Note: Content may be revised subject to the agreement of Waterford City Council.