



WASTE MANAGEMENT (FACILITY PERMIT AND REGISTRATION) REGULATIONS 2007 AS AMENDED

- REVIEWED WASTE FACILITY PERMIT - No. WFP-CE-08-0002-03

Further to the review application received on the 27th of July 2018, Clare County Council, in pursuance of the powers conferred on it by the Waste Management (Facility Permit and Registration) Regulations 2007 as amended, grants this Reviewed Waste Facility Permit under Article 35 of the said Regulations to **Clare Waste and Recycling Co. Ltd.**, of **Raheen, Tuamgraney, Co. Clare**.

This Reviewed Waste Facility Permit is in respect of the recovery of waste by **Clare Waste and Recycling Co. Ltd.**, at a site located at **Raheen, Tuamgraney, Co. Clare**.

Permitted Classes of Activity, in accordance with Part 1 of the Third Schedule of the Waste Management (Facility Permit and Registration) Regulations, 2007, as amended

- Class 7: Recovery of inert waste arising from construction and demolition activity, including concrete, bricks, tiles, or other such similar material, at a facility (excluding land improvement or development) where-
- (a) the annual intake shall not exceed 50,000 tonnes, and
 - (b) the maximum quantity of residual waste consigned from the facility for collection, onward transport and submission to disposal at an authorised facility shall not exceed 7,500 tonnes per annum
- Class 10: The recovery of waste (not mentioned elsewhere in this part of the third schedule), other than hazardous waste, 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 7,500 tonnes.

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

- D 13** Blending or mixture prior to submission to any of the operations numbered D 1 to 12 (if there is no other D code appropriate, this can include preliminary operations prior to disposal and 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 D1 to D13.
- D 15** Storage pending any of the operations numbered D1 to D14 (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, in accordance with the Fourth Schedule (Waste Recovery Activities) of the Waste Management Acts, 1996 as amended:

- R 3:** Recycling/reclamation of organic substances which are not used as a solvents (including composting and other biological transportation 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 soils cleaning resulting in recovery of the soil and recycling of inorganic construction materials.
- R 11:** Use of waste obtained from any of the operations numbered R 1 to R 10.
- R 12:** Exchange of waste for submission to any of the operations numbered R1 to R11 (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).

It is the responsibility of **Clare Waste and Recycling Co. Ltd.** to ensure that the permitted waste activities are carried on in accordance with the General Conditions specified in the Regulations and quoted below, and the Schedule of Conditions attached herein.

The General Conditions specified in Article 35(6) of the Regulations are as follows:

- a) *The activity concerned, carried on in accordance with such conditions as are attached to the reviewed waste facility permit, will not cause environmental pollution,*
- b) *Any emissions from the activity concerned will not result in the contravention of any relevant standard, including any standard for an environmental medium, or any relevant emission limit value, prescribed under any enactment, and*
- c) *The best available technology will be used to prevent or eliminate, or where that is not practicable, to limit, abate or reduce an emission from the activity concerned,*
- d) *The applicant is a fit and proper person.*



Marie O'Neill
Senior Staff Officer
Department of Physical Development (Environment)

20/9/18
Date



REVIEWED WASTE FACILITY PERMIT

SCHEDULE OF CONDITIONS

ISSUED UNDER

THE WASTE MANAGEMENT ACTS, 1996 AS AMENDED

AND

THE WASTE MANAGEMENT (FACILITY PERMIT AND REGISTRATION)
REGULATIONS, 2007 AS AMENDED

Waste Permit Register Number : WFP-CE-08-0002-03
Permit Holder : Clare Waste and Recycling Co. Ltd.
Location of Facility : Raheen, Tuamgraney, Co. Clare

Date: 20th September 2018



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PERMITTED ACTIVITIES

In pursuance of the powers conferred on it by the Waste Management Acts, 1996 as amended and the Waste Management (Facility Permit and Registration) Regulations 2007, as amended, Clare County Council grants this reviewed waste facility permit under Article 35 of the said regulations to **Clare Waste and Recycling Co. Ltd.**, of **Raheen, Tuamgraney, Co. Clare**, to carry on, at the above address, the waste activities listed below, subject to ten conditions, with the reasons therefore set out in the permit.

Permitted Waste Activity, in accordance with Part 1 of the Third Schedule of the Waste Management (Facility Permit and Registration) Regulations 2007, as amended

- Class 7: Recovery of inert waste arising from construction and demolition activity, including concrete, bricks, tiles, or other such similar material, at a facility (excluding land improvement or development) where-
- (a) the annual intake shall not exceed 50,000 tonnes, and
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- Class 10: The recovery of waste (not mentioned elsewhere in this part of the third schedule), other than hazardous waste, where –
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- D 14** Repackaging prior to submission to any of the operations numbered D1 to D13.
- D 15** Storage pending any of the operations numbered D1 to D14 (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, in accordance with the Fourth Schedule (Waste Recovery Activities) of the Waste Management Acts, 1996 as amended:

- **R 3:** Recycling/reclamation of organic substances which are not used as a solvents (including composting and other biological transportation 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 soils cleaning resulting in recovery of the soil and recycling of inorganic construction materials.
- **R 11:** Use of waste obtained from any of the operations numbered R 1 to R 10.
- **R 12:** Exchange of waste for submission to any of the operations numbered R1 to R11 (if there is no other R code appropriate, this can include preliminary operations prior to recovery including pe-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).

The preceding paragraph of the Fourth Schedule referred to in Class 11, 12 & 13 are Classes 2, 3 and 4 of the Fourth Schedule.

NOTE:

THE GRANTING OF THIS REVIEWED WASTE FACILITY PERMIT, AND ANY CONDITION IMPOSED BY IT, DOES NOT EXEMPT THE HOLDER OF THE PERMIT FROM COMPLYING WITH THE STATUTORY OBLIGATIONS OF ANY RELEVANT LEGISLATION, INCLUDING WATER POLLUTION, AIR POLLUTION, WASTE, LITTER, PLANNING AND HEALTH AND SAFETY LEGISLATION.

CONDITION 1: SCOPE OF WASTE PERMIT

- 1.1 The Reviewed Waste Facility Permit is issued under the Waste Management (Facility Permit and Registration) Regulations 2007 as amended, to Clare Waste and Recycling Co. Ltd., Raheen, Tuamgraney, Co. Clare.
- 1.2 The waste activities shall be confined to the area outlined in the drawings, submitted with the application received on the 27th July 2018 and shall take place only as specified in the application, as modified and/or controlled by the terms of this permit.
- 1.3 This waste permit is granted for a period of **5 years** from the date of issue of the reviewed waste facility permit.
- 1.4 Only the waste recovery activities specified under the third and fourth schedules of the Waste Management Acts, 1996-2008, shall be permitted, as detailed in this permit. The **maximum annual intake** of waste permitted shall be restricted to **13,000 tonnes**. The total quantity of the **waste disposal fraction** arising at the facility shall not be greater than **5,000 tonnes, annually**. The waste types, including List of Waste (LoW) codes, composition and quantities permitted shall be as set down in condition 4.1 and Annex 1 to this waste permit.
- 1.5 The permit holder shall give notice in writing to Clare County Council of any significant changes in the information furnished in the application for this waste permit. Such notice shall be given three weeks in advance of any such planned change. On receipt of this information, Clare County Council may require a new or review waste facility permit application to be submitted.
- 1.6 The permit holder shall be responsible for ensuring that the waste activities are controlled, operated and maintained in strict accordance with the terms and conditions of this waste permit.
- 1.7 Where Clare County Council considers that a non-compliance with the conditions of this permit has occurred, it may serve a notice on the permit holder specifying, *inter alia*,
 - i.) That only those wastes as specified, if any, in the notice are to be accepted at the facility after the date specified in the notice,
 - ii.) That the permit holder shall undertake any emergency and/or remedial works stipulated in the notice, and/or otherwise comply with the requirements of the notice as set down therein, within any time-scale contained in the notice.

When the notice has been complied with, the permit holder shall provide written confirmation to Clare County Council that the requirements of the notice have been carried out. No waste, other than that, which is stipulated in the notice, shall be accepted at the facility until written confirmation is received from Clare County Council that the notice is withdrawn.

REASON: *To clarify the scope of this waste permit.*

CONDITION 2: MANAGEMENT OF THE ACTIVITIES

- 2.1 The permit holder shall employ a suitably qualified and experienced **facility manager** who shall be designated as the person in charge. In the absence of the facility manager, a suitably qualified **deputy** shall be designated as the person in charge. The facility manager and deputy shall successfully complete a recognised Waste Facility Management course.
- 2.2 A copy of the permit shall be kept on site at all times.
- 2.3 The facility shall be adequately manned and supervised at all times. It shall be maintained to the satisfaction of Clare County Council, and adequate precautions shall be taken to prevent unauthorised access to the site. Gates shall be locked shut when the facility is unsupervised.
- 2.4 The facility shall only be operated and waste shall only be accepted at or despatched from the facility between the hours of 8:00am and 6:00pm, Monday to Friday inclusive and 8:00am to 1:00pm on Saturdays. The facility shall not operate on Sundays, Bank Holidays or National Holidays, unless otherwise agreed in advance in writing with Clare County Council.
- 2.5 The permit holder shall maintain a **schedule of environmental objectives & targets** to assist in the environmental management of the facility. The objectives shall be specific and quantifiable, and the targets shall be measurable. The schedule shall address a five-year period, as a minimum. The schedule shall include a timetable for achieving the objectives and targets. This shall be updated on an annual basis and be included in the facility Annual Environmental Report (AER).
- 2.6 The permit holder shall maintain an **Awareness & Training Programme** to ensure that all personnel who work at the waste facility are fully cognisant of the requirements of the Waste Permit and are aware of the permit's provisions in relation to their individual and joint areas of responsibility. Training needs should also be established as part of this programme and the identified training needs catered for by way of a planned training programme. This shall be updated on an annual basis and be included in the facility AER.
- 2.7 The permit holder shall maintain procedures to ensure that **corrective action** is taken should any condition of this permit not be complied with. In such instances, Clare County Council shall be immediately notified by telephone/fax, and full details shall be forwarded in writing on the next working day. This shall be updated on an annual basis and be included in the facility AER.
- 2.8 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. This shall be updated on an annual basis and be included in the facility AER.

REASON: *To make provision for the proper management of the activity.*

CONDITION 3: REPORTS, NOTIFICATIONS AND RECORD KEEPING

- 3.1** All written communications with Clare County Council shall be addressed to the Staff Officer, Waste Enforcement Unit, Environment and Emergency Services Directorate, Áras Contae an Chláir, New Road, Ennis, Co. Clare.
- 3.2** The permit holder shall maintain a register of the following records on the site:
- i.) The quantities and composition (including List of Waste Code(s) and description(s) pursuant to Commission Decision 2001/118/EC of 16th January 2001 or subsequent amendments) of wastes received at the site.
 - ii.) The quantities and composition of wastes not accepted at the site, and details to where such wastes were diverted.
 - iii.) The dates and times of all waste deliveries to the site.
 - iv.) The names of the carriers and the vehicle registration numbers.
 - v.) The origin of each delivery of waste.
 - vi.) The quantities and composition of wastes despatched from the facility.
 - vii.) The destination of all waste despatched from the facility.
 - viii.) The type of treatment/disposal of waste despatched from the facility.
- 3.3** The Permit Holder shall immediately notify the Staff Officer, Waste Enforcement Unit, Clare County Council by telephone/fax of any incident which occurs as a result of the activity on the site, and which:
- has the potential for environmental contamination of surface water or ground water, or
 - poses an environmental threat to air or land, or
 - requires an emergency response by the Council.

Full details shall be forwarded in writing on the next working day.

The permit holder shall include as part of the notification:

- the date and time of the incident,
- details of the incident and circumstances giving rise to it,
- an evaluation of environmental pollution caused, if any,
- actions taken to minimise the effect on the environment,
- steps taken to avoid reoccurrence,
- any other remedial action taken.

The permit holder shall make a record of any such incident in a register to be maintained on the site.

- 3.4** The permit holder shall maintain on the site a register of all complaints received

relating to the operation of the activity. Each such record should give details of the following:

1. Time and date of the complaint.
2. The name of the complainant.
3. Details of the nature of the complaint.
4. Actions taken to deal with the complaint, and the results of such actions.
5. The response made to each complainant.

After the receipt of a complaint, Clare County Council shall be notified in writing as soon as possible and in any event not later than the next working day.

- 3.5** The permit holder shall make all records maintained on the site available to Clare County Council staff at all reasonable times, and shall provide any relevant information when so requested by an authorised person of Clare County Council.
- 3.6** The permit holder shall notify Clare County Council, in writing, within five (5) working days of:
- The imposition of any requirement on the permit holder by order under the Waste Management Acts, 1996 as amended, or
 - Any conviction of the permit holder for any offence prescribed under the Waste Management Acts, 1996 as amended.
 -
- 3.7** In the event of waste activities ceasing on site, the permit holder shall, within one month, submit a report to Clare County Council which shall include the information contained in the registers described above, and details of any impositions or convictions imposed under the Waste Management Acts, 1996 as amended. In addition, the permit holder shall include in the report a written summary of compliance with all of the conditions attached to the permit.
- 3.8** Before February 28th of each calendar year, the Permit Holder shall submit to the Environment Section, Clare County Council, an Annual Environmental Report (AER) for the preceding calendar year. The AER will include the following detailed information as a minimum:
- (a) a summary of compliance with all the conditions attached to the permit.
 - (b) the management & staffing structure of the site
 - (c) details of any impositions or convictions as outlined in the permit conditions, herein
 - (d) quantity, type and composition (including List of Waste Code(s) and description(s) pursuant to Commission Decision 2001/118/EC of 16th January 2001 or subsequent amendments) of all wastes accepted at the site during the year
 - (e) final destination and method of treatment of waste
 - (f) fluid storage bunds integrity results and inspection reports
 - (g) monitoring results, as appropriate
 - (h) details of any loads rejected at the site during the year
 - (i) reportable incidents
 - (j) corrective action procedures

- (k) a schedule of environmental objectives & targets
- (l) resource & energy consumption summary
- (m) development works undertaken during the reporting period
- (n) details of the communications programme for the public, including all complaints
- (o) awareness and training programme
- (p) risk assessment, including fire.
- (q) any other items specified from time to time by the council.

REASON: To provide for the notification of incidents, to update information on the activity and to provide for the keeping of proper records.

CONDITION 4: WASTE ACCEPTANCE AND HANDLING

- 4.1 The types, including List of Waste (LoW) codes, composition and quantities of waste permitted for acceptance at the facility shall be as set down in this condition and Annex 1 to this waste permit. The quantities referred to Annex 1 relate to **maximum annual** intake in metric tonnes. The permit holder shall ensure that adequate steps are taken to prevent acceptance of any other waste types.
- 4.2 All waste accepted at the facility shall be unloaded and sorted on impervious areas, and, where possible, within the covered waste segregation buildings. The sorted waste shall then be deposited as appropriate:
- a) into designated receptacle for segregated waste,
 - b) into a receptacle/designated area for waste disposal,
 - c) into a receptacle/designated area for waste recovery,
 - d) into the designated Quarantine Area.
- 4.3 Only the following wastes may be stored outside the facility building;
- glass
 - metal
 - packaging waste
 - wood
 - rubble/soil
- These wastes shall be held in appropriate containers or designated areas and covered until they are despatched from the facility.
- 4.4 All liquid wastes (*e.g.* waste oils) or waste containing liquids (*e.g.* batteries) and oils/fluids in the waste segregation building, or held elsewhere at the facility, shall be held in suitable containers or adequately banded, in order to prevent accidental spillages.
- 4.5 The loading and unloading of waste material shall be carried out in designated areas protected against spillage and leachate run-off. While awaiting recovery and transfer, all waste shall be collected and stored in designated areas protected against spillage and leachate run-off.
- 4.5 **The permit holder shall assign and clearly label each waste receptacle and designated area at the facility to indicate its contents.**
- 4.6 At the end of each working day, all external hardstanding areas shall be cleared of waste except where stored in appropriate receptacles or designated areas/holding bays.
- 4.7 All wastes transferred from the facility, including residual waste for disposal to landfill, shall only be transferred to an appropriate facility, agreed in advance by Clare County Council.
- 4.8 All wastes removed off-site for recovery or disposal shall be transported in a manner that will not adversely affect the environment. All persons and companies involved in the collection of waste from the facility and the

delivery of the waste to the facility must hold a current and valid waste collection permit.

4.9 All waste arriving at the facility shall be subjected to a visual inspection. Any waste deemed unsuitable for processing at the facility and/or in contravention of this permit, shall be immediately separated, stored in a designated quarantine area and removed off site at the earliest possible time. Such wastes shall be temporarily stored under appropriate conditions in the quarantine area to avoid putrefaction, odour generation, the attraction of vermin and any other nuisance or objectionable condition. In addition, such wastes shall be disposed of (or recovered) at an alternative facility with an appropriate waste permit or waste licence.

4.10 **Notwithstanding the measures to be employed, as stated above, the permit holder shall ensure that adequate steps are taken to prevent unauthorised entry of wastes to the site such as, but not limited to, batteries, waste tyres and waste gas cylinders.** These steps should include appropriate awareness and training for all staff on site as well as vehicle drivers as to acceptable waste types and also the provision of this information to customers. **Where these materials are accepted inadvertently, the permit holder shall have in place adequate measures for their safe storage and prompt removal to appropriately licensed or permitted facilities.**

4.11 Waste shall not be stored on site except for temporary storage, pending processing/recovery and subsequent transport to an approved end use facility or location. Notwithstanding the requirements of temporary storage, all waste with a putrescible component – i.e. waste destined for disposal or stored in the quarantine area - shall not be stored on site for more than **48 hours**. Dry recyclable wastes shall not be stored continuously for more than **3 months**, unless otherwise agreed with Clare County Council.

4.12 The permit holder shall not allow any over-spill of waste outside the site perimeter, as outlined on the site plan submitted with the permit application.

REASON: To provide for the acceptance and management of wastes authorised under this waste permit.

CONDITION 5: NUISANCES, EMISSIONS AND ENVIRONMENTAL IMPACTS

- 5.1 The permit holder shall ensure that the waste activities on the site shall be carried out in such a manner so as not to have an adverse effect on the general environment and specifically, the drainage of adjacent lands, roads, watercourses, field drains or any other drainage system.
- 5.2 The permit holder shall take adequate precautions to prevent undue noise, fumes, dust, grit, untidiness and other nuisances during the course of the activities on site, which would result in a significant impairment of, or a significant interference with, amenities or the environment beyond the site boundary. If unacceptable levels occur, as defined by the relevant standards, the permit holder shall abide by the County Council's abatement requirements, which may include immediate cessation of operations.
- 5.3 The permit holder shall take adequate steps to ensure that no material of any sort can fall or be blown from vehicles delivering waste to, or collecting waste from, the site. Netting should be used on open skips to prevent waste from being blown about.
- 5.4 The permit holder shall take adequate steps to ensure that vehicles exiting from the site do not deposit material of any sort onto the roadway or adjoining lands.
- 5.5 The permit holder shall remove all litter from the site and its environs without delay. Specifically, the permit holder shall be responsible for the removal of any waste detritus on the approach roads for a distance of 250 metres either side of the main access road, measured from the transfer station. All loose litter accumulated in this area shall be removed daily and appropriately processed.
- 5.6 No waste shall be burned on the site.
- 5.7 The permit holder shall inspect the site perimeter twice per week for the presence of litter and shall remove all litter from the site and its environs without delay.
- 5.8 The permit holder shall take adequate steps to prevent dust generation in dry weather periods. The permit holder shall spray all working areas with clean water to minimise dust generation, if conditions so require, and shall make use of a road sweeper to keep facility yard area clean. All access roads on site and leading to the site shall also be sprayed. The permit holder shall carry out dust monitoring as specified in Annex 2. **The permit holder shall submit, for the approval of Clare County Council, proposals for the monitoring of dust as required in Annex 2 within one month of the date of issue of this permit.**

5.9 Activities on-site shall not give rise to noise levels off-site, at noise sensitive locations, which exceed the following sound pressure limits (Leq, 15min):
Daytime – 55dB(A)

Night-time – 45dB(A)

There shall be no clearly audible tonal component or impulsive component in the noise emission from the activities on site at any noise sensitive location. As well as the noise monitoring specified in Annex 2, the permit holder shall immediately carry out a noise survey of the site operations if Clare County Council requests such a survey. **The permit holder shall submit, for the approval of Clare County Council, proposals for the monitoring of noise as required in Annex 2 within one month of the date of issue of this permit.**

5.10 All fuel tank and drum storage areas shall be rendered impervious to the materials stored therein. In addition, 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
- ii.) 25% of the total volume of substance which could be stored within the bunded area.

Drainage from this bunded area shall only be to a proprietary oil interceptor.

All bunds shall be integrity-tested **once per year** and a report of such tests shall be included in the AER.

5.11 A visual examination of the surface water discharge shall be carried out weekly. A log of such inspections shall be maintained. In the event that any analyses or observations made on the quality or appearance of surface water runoff should indicate that contamination has taken place, the permit holder shall;

- (i) carry out an immediate investigation to identify and isolate the source of the contamination
- (ii) put in place measures to prevent further contamination and to minimise the effects of any contamination on the environment
- (iii) notify Clare County Council as soon as possible.

REASON: To provide for the control of nuisances and emissions from the facility, and to provide for the protection of the environment.

ANNEX 2

Environmental Monitoring of the Waste Permit Facility

All monitoring results should be forwarded to Clare County Council within 14 days of the event.

A) Surface Water Monitoring

The Permit Holder is to carry out surface water monitoring at such locations and frequencies as set out below. The water monitoring must be carried out by a competent laboratory using standard and internationally accepted procedures. Copies of results of all monitoring, along with details of any necessary corrective actions shall be forwarded to Clare County Council as soon as such results become available. Additional sampling or alteration of the sampling locations (outside of that defined below in table A1) shall be agreed in advance with Clare County Council. The first monitoring events shall be carried out within **one month** of the grant of this permit, and thereafter at the intervals prescribed in table A2.

Table A1: The surface water sampling locations shall be at surface water discharge point as specified on the 1:500 'Facility Layout' plan, submitted with the initial facility permit application and received by Clare County Council on the 8th October 2008.

Sampling Location Ref.	Description
SW1(a) SW1(b) SW1(c)	Surface water emission discharge point at the eastern boundary of the facility; sample (a) to be taken from actual discharge, sample (b) at least 10m upstream of point at which discharge enters the stream in woods to the east and sample (c) no more than 10m downstream of point at which discharge enters the stream.

Table A2: Parameters to be measured, frequency of monitoring and the methods to be used:

Parameters	Frequency	Method
Visual (Interceptor/silt storage)*	Monthly	Not Applicable
Visual (Surface Water Emissions)*	Weekly	Not Applicable
pH (pH units)	Quarterly	Standard Methods**
Conductivity (µS/cm)	Quarterly	Standard Methods**
COD (mg/L)	Quarterly	Standard Methods**
BOD (mg/L)	Quarterly	Standard Methods**
Suspended Solids (mg/L)	Quarterly	Standard Methods**
Ammonia (mg/L)	Quarterly	Standard Methods**
Total Phosphorus (mg/L)	Quarterly	Standard Methods**
Fats, Oils and Greases(mg/L)	Quarterly	Standard Methods**
Mineral Oils (mg/L)	Quarterly	Standard Methods**

**Visual: To see if there is evidence of contamination e.g. abnormal colour, presence of solids, surface film.*

**Standard Methods – In accordance with publication: 'Standard Methods for the Examination of Water and Wastewater', 20th edition.

B) Noise Monitoring Parameters and Frequencies

The permit holder is to carry out noise monitoring at the following points:

- i) Two boundary locations at the facility including a point at the entrance to the facility and a point on the western boundary between the facility and the adjacent garden centre.
- ii) All noise sensitive locations within 500m of the facility boundary (To be identified and agreed with Clare County Council).

Parameters	Frequency	Method
L _{Aeq, 30 min} dB(A)	Bi-Annually (Day and Night*)	ISO 1996 and EPA Environmental Noise Survey Guidance Document
L _{A90, 30 min} dB(A)	Bi-Annually (Day and Night*)	ISO 1996 and EPA Environmental Noise Survey Guidance Document
L _{A10, 30 min} dB(A)	Bi-Annually (Day and Night*)	ISO 1996 and EPA Environmental Noise Survey Guidance Document
Frequency Analysis (1/3 octave band)	Bi-Annually (Day and Night*)	ISO 1996 and EPA Environmental Noise Survey Guidance Document

*Monitoring shall be carried out during both night time and day time operation of the facility. Night time monitoring shall occur between 7:00am and 7:30am and shall be representative of normal activities at this time. Operational activities and traffic movements shall be recorded during the sampling event.

C) Dust Monitoring Parameters and Frequencies

The permit holder is to carry out dust monitoring at two appropriate dust monitoring locations to be identified and agreed in advance with Clare County Council. At least one dust monitoring event shall take place between the period May-September.

Parameters	Frequency	Method
Dust Deposition	Bi-Annually	Standard Methods*

* Standard method VDI2119 (Measurement of Dustfall, Determination of Dustfall using Bergerhoff Instrument (Standard Method-German Engineering Institute).

