

ATTACHMENT A.1

Non-Technical Summary (REVISION C)

A Non-Technical Summary of the Waste Licence Review Application, which complies with the requirements of Article 12 (1) (u) of the Waste Management (Licensing) Regulations, S.I. 395 of 2004 is presented below.

NON-TECHNICAL SUMMARY

This Application for a Review of Waste Licence, W0265-01, is being made by Lennon Quarries Ltd., Glencastle, Bunnahowen, Ballina, Co. Mayo, telephone 097 81297, fax 097 81734, email tjlennon@lennonquarries.com. Lennon Quarries Ltd. is a body corporate, with its registered office at the above address. The company registration number is 263357. Lennon Quarries Ltd. are both the applicant and the operator of the facility, currently licensed by Waste Licence W0256-01.

TOBIN Consulting Engineers have prepared this Application for a Review of Waste Licence, W0265-01, on behalf of their client - Lennon Quarries Ltd. (Contact – Dr. Emma Sweeney, Senior Environmental Scientist) ('TOBIN'), Market Square, Castlebar, Co. Mayo, telephone 094 9021401, fax 094 9021534, email emma.sweeney@tobin.ie. All correspondence relating to this Review Application should be directed towards TOBIN.

This review application relates to a site at Tallagh, Belmullet, Co. Mayo, the location of which is shown on Drawing No. 2084-2600 Rev B and Drawing No. 2084-2601 Rev B (attached in 'Application Drawings'). Two bench marks set up by TOBIN at the second entrance gate to the facility have the National Grid Reference E470040 N835694 (Bench Mark 1) and E470033 N835690 (Bench Mark 2), as shown on Drawing No. 2084-2603 Rev C (attached in 'Application Drawings'). The site is owned TJ Lennon. The extent of the land ownership shown on Drawing No. 2084-2602 Rev C (attached in 'Application Drawings').

The 'Site Layout Plan' is shown on Drawing No. 2084-2603 Rev C (attached in 'Application Drawings'). The site has a total area of 27.22ha, which includes the site access road, the proposed area of deposition (20.48ha) and a proposed

buffer zone in the northern section of the site (4.46ha), which separates the area of deposition from the Clooneen River, which flows in an easterly direction, along the northern boundary of the site.

The site, currently operated under Waste Licence W0256-01, is located within the functional area of Mayo County Council Planning Authority. However, the activities proposed to be carried out as described in this Application for a Review of Waste Licence W0256-01 are exempt from Planning Permission, under the Planning and Development Regulations, 2001, Schedule 2, Part 3 - Exempted Development – Rural, Class 11 - Land Reclamation, Sub-Class (b): "Land Reclamation".

There is no discharge of trade effluent or other matter, to sewer (existing or proposed) from the site.

The works proposed under the Application for a Review of Waste Licence W0256-01 are for the acceptance of a maximum of 90,000 Tonnes per annum of non-hazardous/inert soil & stone and its recovery, by spreading the material over the site deposition area, with a consequential benefit of improving the land for agricultural use.

There is no change in the material (EWC Waste Category) proposed to be accepted at the site. It is that material currently licensed to be accepted under the existing Waste Licence, W0256-01, namely:

EWC 17 05 04:

Soil & Stones, other than those mentioned in 17 05 03.

It is proposed to accept 90,000 Tonnes per annum of Soil & Stone (EWC 17 05 03).

The activity proposed in this Waste Licence Review Application is not an establishment to which the European Communities (Control of Major Accident Hazards involving Dangerous substances) Regulations, 2000 (S.I. No. 476 of 2000), will apply.

The relevant Waste Recovery Operations, as per the Fourth Schedule of the Waste Management Act 1996, as amended and the Waste Management (Licensing) Regulations 2004 (S.I. No. 395 of 2004) to which this application relates are:

The **Principle Operation** to be carried out at the site:

Fourth Schedule - Waste Recovery Operation - R5

"Recycling/reclamation of other Inorganic Materials, which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials"

This operation relates to the acceptance of inert soil & stone and its recovery, by spreading the material over the site area, with a consequential benefit for improving the land for agricultural use (as is currently licensed under Waste Licence W0256-01).

The operations will also be covered under the following:

Fourth Schedule - Waste Recovery Operation – R13

"Storage of Waste pending any of the operations numbered R1 to R12 (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)"

This operation allows for the storage of inert soil & stone before it is reclaimed by spreading the material over the site area (as is currently licensed under Waste Licence W0256-01).

Drawing No. 2084-2607 Rev C (Attached in 'Application Drawings') presents the *'Topographic Map of the Site'*. The site is currently licensed, under Waste Licence W0256-01, to accept soil & stone to raise the level of the site by one metre, in order to improve the land for agricultural purposes. This application for a Review of Waste Licence W0256-01 proposes no change to the final topographic levels licensed under W0256-01.

Drawing No. 2084-2608 Rev D - (Attached in 'Application Drawings'), shows the *'Proposed Topographic Map of Application Site, Showing Final Ground Levels'* with proposed 1m Land Raise shown.

Cross Section Locations A-A, B-B, C-C, D-D & E-E are shown on Drawing 2084-2607 Rev C & Drawing No. 2084-2608 Rev D (Attached in 'Application Drawings', Tab 15), with the Cross Sections presented on Drawing No. 2084-

2609 Rev D, Drawing No. 2084-2610 Rev D & Drawing No. 2084-2611 Rev D (Attached in 'Application Drawings'). The Cross Sections clearly show the Land Raise by 1m. The existing open surface water drains that cut through the Area of Waste Deposition, will also be raised by 1m, as shown on the Cross Section Drawings.

There is no proposed change to the operational lifetime of the site. This Review Application proposes that the maximum potential acceptance of Soil & Stone will be 90,000 Tonnes per annum, though the tonnes accepted in a year may be less than this figure, so that this Review Application proposes and that the site is operational, until the 1m Land Raise, as currently licensed, is reached.

The 'Proposed Hours of Operation' for the facility are 8.00am to 6.00pm - Monday to Friday, 8.00am to 2.00pm - Saturday, and Closed on Sundays & Bank Holidays. The 'Proposed Hours of Material Acceptance/Handling' are 8.30am to 5.30pm - Monday to Friday, 8.30am to 1.30pm - Saturday, and Closed on Sundays & Bank Holidays. The difference between the 'Proposed Hours of Operation' and the 'Proposed Hours of Material Acceptance/Handling' reflect the time allowed for set-up and clean up works each day.

The Site Office is located along the site entrance road as shown on Drawing No. 2084-2612 Rev D (attached in 'Application Drawings'). Waste Quarantine skips are located adjacent to the site office.

As licensed under current Waste Licence W0256-01, a hardcore area (with a surface dressing of clean broken stone) was developed close to the entrance gate, as shown on Drawing No. 2084-2612 Rev E (attached in 'Application Drawings'). This allows haulage trucks to enter the site, turn, and deposit their material, along the perimeter of the hardcore area.

As undertaken under the existing Waste Licence, the Deputy Facility Manager/Machine Operative will inspect each load, as it is being deposited, to ensure the material is fully compliant with the Waste Licence. If the material is non-compliant, the Deputy Facility Manager/Machine Operative will insist that the material is reloaded onto the haulage truck and removed from the site, for authorised disposal elsewhere.

As undertaken under the existing Waste Licence, once the haulage trucks deposit their material, along the perimeter of the hardcore area, the excavator

will shift the inert material, from where it is deposited by the haulage trucks, and spread it over the area of the deposition site, in compliance with the Waste Licence. If waste objects are identified within the inert material (whilst shifting/reclaiming the material), which are not compliant with the Waste Licence (e.g. pieces of wood, plastic, metal), they will be removed and transported to the Waste Quarantine skips, located adjacent to the site office.

As undertaken under the existing Waste Licence, the Deputy Facility Manager/Machine Operative will keep a record of all material arriving at the facility, including the following information:

- Date;
- Time;
- Owner Truck;
- Truck Licence Plate No.;
- Type of Material;
- Origin of Material;
- Quantity of Material.

It is not proposed to install a weighbridge at the facility.

Based on the proposed annual intake of 90,000 Tonnes, it is expected that there will be approximately 4500 truckloads of inert material delivered to the site on an annual basis (i.e. ca. 90 loads per week). This small quantity of truck arrivals does not justify the expense of installing a weighbridge.

As undertaken under the existing Waste Licence, the Deputy Facility Manager/Machine Operative on the site will have a record of the capacity of each of the trucks, which will allow him to keep an accurate record of volumes/quantities of inert materials being accepted at the facility on a daily basis.

The only fuels required at the site will be Diesel (ca. 100 Litres/week) and Hydraulic Oil (ca. 40 Litres/Annum), to run the onsite plant (Hitachi 200 excavator) and the small generator required to provide electricity to the site accommodation (Portocabin). It is not proposed to store any fuel onsite. A fuel tanker will visit the site, when required and fill the onsite plant (Hitachi 200 excavator & small generator).

Water will be provided to the facility (Portocabin) by tanker, and stored in a holding tank.

No chemicals (e.g. Insecticides, Herbicides, Rat Poisons, Cleaning Agents, Water Treatment Chemicals, Cooling Water/Boiling Water Additives, Laboratory Chemicals, etc.) will be required or accepted at the facility.

The only 'Energy' proposed to be used at the facility will be that to run the facility plant (Hitachi 200 excavator) and the generator (to provide electricity to the site Portocabin). To ensure energy efficiency, the facility plant engine will be switched off when not in use and the generator will only be used when absolutely necessary. Based on the above, it is anticipated that the proposed facility will be very energy efficient

There are/will be no emissions to sewer or groundwater from the facility. The only noise emission from the site will be the one piece of mobile plant (Hitachi 200 excavator). There are/will be 5 no. surface water emissions from site surface water drainage system to the Clooneen River (as shown on Drawing No. 2084-2613 Rev C, attached in 'Application Drawings'). The only emissions to atmosphere will be from the exhaust of the mobile plant and haulage trucks arriving/departing the site, and of dust from the unloading, stockpiling and movement of the inert waste for recovery, around the site.

'Treatment, Abatement and Control Systems' which have been put in place to ensure emissions from the facility will not result in the contravention of any environmental standard include: the construction of 5 no. Settlement Ponds on all drainage channels prior to their discharge from the site (shown on Drawing No. 2084-2614 Rev D, attached in 'Application Drawings', the regular servicing of facility plant to ensure that noise and exhaust emissions are kept to a minimum, and the use of a tractor with water bowser to dampen down dust from the facility during periods of extended dry weather.

Monitoring of 'Surface Water' at 5 no. locations on the Clooneen River (including samples from upstream & downstream of the site) on a quarter yearly basis is presently undertaken under current Waste Licence W0256-01. Monitoring of 'Settlement Dust' at 3 no. locations around the site boundary, on a biannual basis is presently undertaken under current Waste Licence W0256-01. Monitoring of 'Noise' will only be carried out following a request from the EPA or following a noise complaint by local residents, as is conditioned under current Waste Licence W0256-01. The locations of all monitoring locations, are shown on Drawing No. 2084-2606 Rev D (attached in 'Application Drawings').

As requested by the EPA (correspondence dated 10th June 2013), a screening for Appropriate Assessment has been undertaken for the proposed activity and is submitted with this revised Non-Technical Summary (Revision C). A site visit was carried out in June 2013 by an experienced ecologist and an ecological assessment and screening statement was completed for the site. This report concluded that *"It is considered that no significant adverse effects are expected to arise to Natura 2000 sites from the proposed development and the project can be screened out of further stages of Appropriate Assessment."*

The main accidents of concern at the site are an accidental fuel spillage, or a fire at the facility. As currently is undertaken, necessary measures to be taken to prevent these accidents occurring, and actions to be taken should an accident occur will be provided to all personnel on the site in the form of 'Accident Prevention & Emergency Response' Report.

Due to the simple process of material recovery/reclamation proposed for the facility, very little remediation or decommissioning will be required. The site will be remediated and decommissioned in compliance with the 'Closure, Restoration & Aftercare Plan' (CRAMP) submitted to the EPA in compliance with current Waste Licence W0256-01. Once each phase of deposition of waste soil & stones is complete, the deposition area will be covered with a 150-300mm layer of topsoil and professionally seeded, to bring it to prime agricultural grazing land.

The Applicant - Lennon Quarries Ltd. is a 'Fit & Proper Person', complying with all of the requirements of Section 40(7) of the Waste Management Acts 1996 to 2003'

The applicant (Lennon Quarries Ltd.), or any person working for the applicant, have not been convicted of an offence under the Waste Management Acts 1996 to 2003, the EPA Act 1992 and 2003, the Local Government (Water Pollution) Acts 1977 and 1990 or the Air Pollution Act 1987.

Condition 2.1.2 of the current Waste Licence W0256-01 states:

'The licensee shall ensure that personnel performing specifically assigned tasks shall be qualified in the basis of appropriate education, training and experience as required and shall be aware of the requirements of this licence. In addition, the facility manager and his/her deputy shall, within six months of the date of grant of

this licence, successfully complete a FAS waste management training programme or equivalent agreed by the Agency'

In compliance with the conditions of current Waste Licence W0256-01, Tobin Consulting Engineers, on behalf of Lennon Quarries Ltd, have provided confirmation to the EPA, including verbal and written correspondence (Tobin letter to EPA dated 29 March 2012), of compliance with this requirement.

Lennon Quarries Ltd. are in a position to meet any financial commitments or liabilities that the Agency reasonably considers will be entered into or incurred by him or her in carrying on the activity to which the waste licence will relate in accordance with the terms thereof or in consequence of ceasing to carry on that activity.

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