

ANNUAL ENVIRONMENTAL REPORT

for

TULLIGMORE QUARRY SOLUTIONS LTD

Waste Licence – W0255-02

2017

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1. INTRODUCTION

Tulligmore Quarry Solutions holds a waste licence (W0255-02) at a 35-hectare site in Tulligmore, near Dripsey, Co. Cork.

The facility is currently an operational sand and gravel quarry, in which a number of waste activities are proposed to be carried out.

The licence allows for the infilling of the excavated area with imported inert soil and stones, as well as the processing of construction and demolition (C&D) waste to create a saleable aggregate to be used in construction. The total waste acceptance may not exceed 280,000 tonnes per annum. Following completion of the infilling activities, the restored areas will be returned to agricultural grassland. Processing of C&D waste will continue indefinitely.

1.1 Facility Details

Licence Registration Number: -	W0255-02
Name: -	Tulligmore Quarry Solutions Ltd.
Location: -	Tulligmore, Dripsey, Co. Cork.
Reporting Period: -	1 st January – 31 st December 2016

1.2 Licenced Waste Activities

Recovery activities as per the Fourth Schedule of the Waste Management Act 1996	
R5	Recycling/reclamation of other inorganic materials, which includes soil cleaning, resulting in recovery of the soil and recycling of inorganic construction materials.
R13	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)”.

1.3 Waste Processing at the Facility

Waste processing has not yet commenced at the facility.

2. Quantity and Composition of Waste

The facility has not commenced waste processing at this stage.

3. Summary Report on Emissions

Currently noise, dust, surface water and groundwater monitoring has commenced. Monitoring locations can be viewed in Appendix I. All monitoring reports are uploaded on to the EDEN system.

4. Implementation of Extractive Waste Management Plan

An Extractive Waste Management Plan has been submitted to the EPA.

5. Waste Recovery Report

A Waste Recovery Report has not yet been compiled, as waste recovery has not commenced yet.

6. Remaining Void Space – Projected Completion Date

It is anticipated that the remaining void space will be filled in approximately 20 years, which would be some time in 2037.

7. Annual Stability Assessment

Slope stability report has been submitted to the EPA.

8. Pollution Reduction Measures Report

Environmental monitoring has only recently begun onsite, which will give an indication of the type and magnitude of pollution that the site needs to deal with. As such, A Pollution Reduction Measures Report has not yet been compiled. In addition, no waste has been accepted on site.

9. Tank and Pipeline Testing and Inspection Report

This has not yet been undertaken.

10. Surface VOC Emissions Report

This has not yet been undertaken.

11. Energy Efficiency Audit Report

This has not yet been undertaken.

12.SCHEDULE OF OBJECTIVES AND TARGETS 2016 (Environmental Management Programme)

Objective No.	Objective	Target	Responsibility	Timeline
1	To control environmental nuisances at the facility	Monitor surface water, noise and dust emissions	Facility Manager	Ongoing
2	Provide facility operators training and awareness	Ensure competence of staff	Facility Manager	Ongoing
3	Maintain and develop Environmental Management System	Maintain documentation onsite; update procedures to reflect operational/control changes.	Facility Manager	Ongoing
4	Minimise receipt of unsuitable waste at the facility	Communicate with customers regarding the types of materials that are acceptable	Facility Manager	Ongoing

The above will be reviewed regularly and notes compiled regularly to identify needs, etc. At the end of the year these reviews will help the compilation of the progress report.

13.COMPLAINTS AND INCIDENTS 2017

There were no complaints or incidents reported in 2017.

14.RESOURCE AND ENERGY CONSUMPTION

14.1 Energy Consumption 2017

Type	Consumption and Unit
Electricity	€69,846.25 inc vat Day Unit 344,030 Night Unit 66,128
Diesel Fuel – White	€84,410.35 inc vat 70,963 litres
Diesel Fuel – Green	€83,444.38 inc vat 132,127 litres

15.FINANCIAL PROVISION

Tulligmore Quarry Solutions Ltd had traded successfully as a Limited Company a number of years. The company has sufficient assets that would finance any environmental remediation works that may be required should an environmental incident arise.

The company has independently-audited accounts and when these are reviewed it can be concluded that the company is financially strong and any incidents that may arise will not hinder the financial solvency of the company.

In addition, the company has submitted to the Agency an Environmental Liabilities Risk Assessment (ELRA) and the company has provisions to cater for incidents that may inadvertently arise.

The company has also submitted a Closure, Restoration and Aftercare Management Plan (CRAMP) to the Agency.

16.MANAGEMENT AND STAFFING STRUCTURE

Managing Director

Martin O'Regan

Foreman

Noel O'Sullivan

Machine Drivers

Justin O'Driscoll, Vitalijs Konakovs and Denis McCarthy

Fitters

Joe O'Sullivan and Maurice O'Keeffe

Clerical

Edel O'Regan, Julie Harris, Carmel Double and Adele O'Callaghan

17.PROGROMME FOR PUBLIC INFORMATION

Tulligmore Quarry Solutions are fully-committed to providing the general public, neighbouring residences and businesses with information relating to the Environmental Performance of the facility if requested.

The facility has a designated meeting room which can be used for the public if they wish to review various reports, etc.

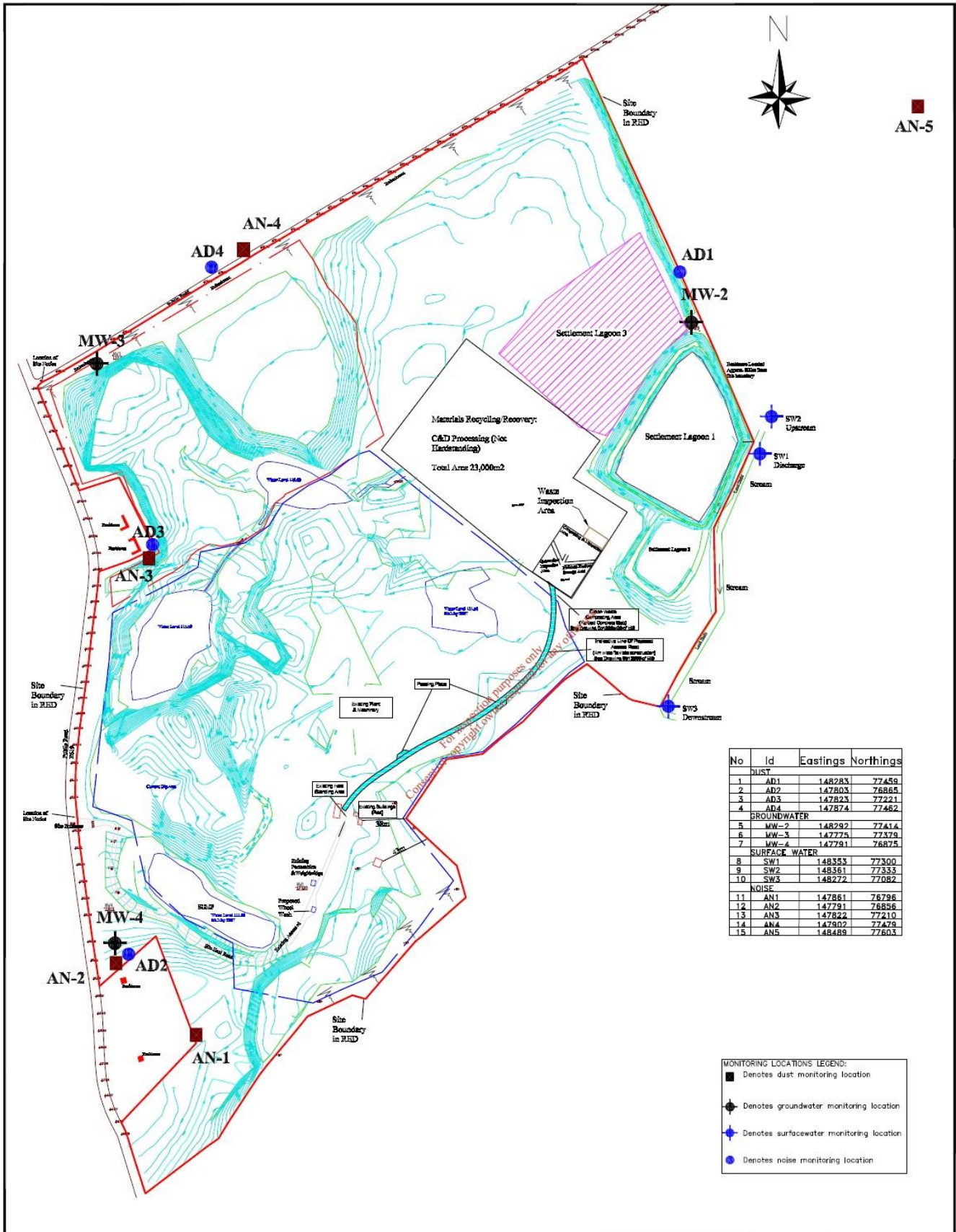
All information in respect to the operation of the facility is maintained onsite and can be viewed upon request. Furthermore, if an individual wishes to see the facility in operation, it operates an open-door policy and endeavours to provide information to the public in both a timely and accurate manner.

A Communications Programme has been outlined in the facility's Environmental Management System.

18.DEVELOPMENT/INFRASTRUCTURAL WORKS

There were no structural or procedural developments in 2017.

APPENDIX I: MONITORING LOCATIONS



No	Id	Eastings	Northings
DUST			
1	AD1	148283	77459
2	AD2	147803	76865
3	AD3	147823	77221
4	AD4	147874	77462
GROUNDWATER			
5	MW-2	148292	77414
6	MW-3	147775	77379
7	MW-4	147791	76875
SURFACE WATER			
8	SW1	148353	77300
9	SW2	148361	77333
10	SW3	148272	77082
NOISE			
11	AN1	147861	76796
12	AN2	147791	76856
13	AN3	147822	77210
14	AN4	147902	77479
15	AN5	148489	77603

MONITORING LOCATIONS LEGEND:

- Denotes dust monitoring location
- ⊗ Denotes groundwater monitoring location
- ⊕ Denotes surfacewater monitoring location
- Denotes noise monitoring location

OCMA
 environmental management for business

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CLIENT
O'REGANS

DRG. No.
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TITLE
PROPOSED MONITORING LOCATIONS

SCALE
 1:3,000

REV.
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