

2015 ANNUAL ENVIRONMENTAL REPORT

**LENNON QUARRIES LIMITED,
SOIL RECOVERY FACILITY,
TALLAGH HILL, BELMULLET, CO. MAYO**

Waste Licence Reg. No. WO-256-02

(Reporting Period January 2015– December 2015)



Prepared For:

The Environmental Protection Agency (E.P.A)

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INTRODUCTION

This Annual Environmental Report provides information on environmental compliance at the Lennon Quarries Limited Soil Recovery Facility, Tallagh Hill, Belmullet, Co. Mayo.

The Environmental Protection Agency issued Lennon Quarries Limited, Glencastle, Bunnahowen, Ballina, Co. Mayo with a Waste Licence on the 20th of May, 2011 (W0256-01). A review of that Licence was successfully undertaken in 2014 to increase the annual intake capacity at the facility from 24,900 to 90,000 tonnes. Licence W0256-01 was replaced by W0256-02 on the 14th of August 2014.

In accordance with Schedule E of the Waste Licence (W0256-01) an Annual Environmental Report (AER) is to be prepared and submitted yearly.

The period covered by this Annual Environmental Report is from the 1st of January 2015 to the 31st of December 2015.

1. ENVIRONMENTAL MONITORING AT THE FACILITY

1.1. Environmental Monitoring at Tallagh Hill Soil Recovery Facility.

During the year 2015 environmental monitoring was undertaken at the site in accordance with conditions of waste licence W0256-02.

The following environmental parameters were monitored in accordance with conditions Schedule C:

- Dust (3 Monitoring Points – D1, D2, D3- twice annually)
- Surface Water (5 Monitoring Points – SW1, SW2, SW3, SW4, SW5 – 4 times annually)
- Noise (No specified frequency)

1.2. Dust Monitoring

1.2.1 Dust Monitoring

Dust Deposition Monitoring was undertaken twice annually in 2015 as per Schedule C of the Licence.

Dust deposition monitoring was based on the modified version of the Bergerhoff Method VDI2119 – “Measurement of Dustfall using the Bergerhoff Instrument” (Standard Method). A 30 day composite sample with results expressed as mg/ m²/day.

Dust Deposition Limits – 350mg/m²/day.

1 Table 1 - 2015 - Dust Deposition Results Summary

Sampling Date	Location	Dust Deposition Result (mg/m ² /day)	Limit (mg/m ² /day)
30/7/15	DS1	12	350
	DS2	15	
	DS3	63	

Table 2 - 2015 - Dust Deposition Results Summary

Sampling Date	Location	Dust Deposition Result (mg/m ² /day)	Limit (mg/m ² /day)
21/12/2015	DS1	34	350
	DS2	35	
	DS3	37	

1.3 Surface Water Monitoring

In accordance with Schedule C of the Waste Facility Permit, Surface water monitoring of grab samples was undertaken on four occasions (quarterly) at the facility during 2015. Samples were analysed by CLS Laboratories in Rosmuc, Co. Galway. Weekly visual inspection of surfacewater was also carried out weekly.

2 Table 3. 2015 Surface Water Analysis Summary –SW1 – Tallagh Hill

SURFACE WATER MONITORING – W0256-02					
Sampling Point Ref:	SW1				Limit (as per WL)
Sampling Dates:	22/04/15	30/07/15	28/10/15	28/12/15	
Parameter	Results	Results	Results	Results	
pH (units)	5.7	6.0	6.0	7.1	No Value Stated
Conductivity (us/cm)	375	283	268	277	No Value Stated
Mineral Oil (ug/l)	134	135	70	201	No Value Stated
Total Suspended Solids (mg/l)	2	3	<2	<2	25 mg/l
Total Heavy Metals	1.6	1.6	1	3.14	No Value Stated

Table 4. 2015 Surface Water Analysis Summary –SW2 – Tallagh Hill

SURFACE WATER MONITORING – W0256-02					
Sampling Point Ref:	SW2				Limit (as per WL)
Sampling Dates:	22/04/15	10/08/15	28/10/15	28/12/15	
Parameter	Results	Results	Results	Results	
pH (units)	5.7	6.0	6.0	7.0	No Value Stated
Conductivity (us/cm)	374	283	262	275	No Value Stated
Mineral Oil (ug/l)	84	156	72	171	No Value Stated
Total Suspended Solids (mg/l)	<2	3	4	<2	25 mg/l
Total Heavy Metals	3.6	1.5	1.6	3.1	No Value Stated

Table 5. 2015 Surface Water Analysis Summary –SW3 – Tallagh Hill

SURFACE WATER MONITORING – W0256-02					
Sampling Point Ref:	SW3				Limit (as per WL)
Sampling Dates:	22/04/15	10/08/15	28/10/15	28/12/15	
Parameter	Results	Results	Results	Results	
pH (units)	5.8	6.0	6.1	7.0	No Value Stated
Conductivity (us/cm)	375	281	267	277	No Value Stated
Mineral Oil (ug/l)	154	192	74	193	No Value Stated
Total Suspended Solids (mg/l)	<2	4	<2	<2	25 mg/l
Total Heavy Metals	1.5	<0.5	1.6	0.6	No Value Stated

Table 6. 2015 Surface Water Analysis Summary –SW4 – Tallagh Hill

SURFACE WATER MONITORING – W0256-02					
Sampling Point Ref:	SW4				Limit (as per WL)
Sampling Dates:	22/04/15	10/08/15	28/10/15	17/10/14	
Parameter	Results	Results	Results	Results	
pH (units)	5.6	5.9	6.0	7.0	No Value Stated
Conductivity (us/cm)	372	280	268	276	No Value Stated
Mineral Oil (ug/l)	79	127	50	648	No Value Stated
Total Suspended Solids (mg/l)	<2	5	<2	<2	25 mg/l
Total Heavy Metals	1.7	<0.5	1.6	0.65	No Value Stated

Table 7. 2015 Surface Water Analysis Summary –SW5 – Tallagh Hill

SURFACE WATER MONITORING – W0256-02					
Sampling Point Ref:	SW5				Limit (as per WL)
Sampling Dates:	22/04/15	10/08/15	28/10/15	28/12/15	
Parameter	Results	Results	Results	Results	
pH (units)	5.5	6.0	6.1	7.0	No Value Stated
Conductivity (us/cm)	369	279	268	274	No Value Stated
Mineral Oil (ug/l)	147	41	26	98	No Value Stated
Total Suspended Solids (mg/l)	<2	5	4	<2	25 mg/l
Total Heavy Metals	1.6	2.0	1.7	3.76	No Value Stated

All of the Surface Water results shown above are in compliance with the conditions of the Waste Licence W0256-02 and are within the Emission Limit Values prescribed and expected.

1.4 Noise Monitoring

Table 8: Noise Emission Limits

<i>Day dB(A) L_{Aeq} [15 minutes]</i>	<i>Night dB(A) L_{Aeq} [15 minutes]</i>
55	45

Noise Monitoring was not undertaken at the facility during 2015. No nuisance noise emissions were identified nor were any noise related complaints received and as such there was no requirement to carry out Noise Monitoring.

2. WASTE MANAGEMENT AT THE FACILITY

2.1 Waste Management and Recovery at the facility

Only waste fill conforming to European Waste Catalogue Code *17 05 04 Soil and Stones* was accepted at the facility during 2015. All waste to the facility was recorded and weighed over the certified weighbridge at the Lennon Quarries, Glencastle Quarry and Processing site prior to being deposited at the Tallagh Hill. The majority of waste fill accepted at the facility emanated from excavation works at the nearby Corrib Gas Project in Glenamoy, North Mayo. All fills brought to the site were uncontaminated and consisted primarily of virgin soil.

All waste collection contractors to the Tallagh Hill facility were assessed on the validity of their Waste Collection Permits. All contractors were issued acceptance letters from Lennon Quarries for the W0256-02 licensed site. The following table outlines the list of Waste Contractors that carried waste to the site during the reporting period and their associated vehicles and Waste Collection Permit registration numbers.

Table 9 – Waste Collection Contractors accepted at Lennon Quarries Soil Recovery Facility, Tallagh Hill in 2015.

Company Name	Waste Collection Permit Reg. Number	Vehicle Registration Numbers
Lennon Quarries Ltd	NWCPO-15-11536-01	10MO10816 141MO1 07MH4823 05WW3321 07KE2739 06MO5 08MO2 08C13638 03MO6 03KY4051
Barry Quinn Transport Ltd	WCP-MO-10-282-01	02MO2920 05KK315 04LK6408 04MO2783 99CE4408
Barretts Quarry Ltd	WCP-MO-11-0667-01	07D88394 12MO1669 06RN2706 07D88384 07G8620 08MO2594 08SO1492 12MO1669 141MO873
Coolturk Quarries Ltd	NWCPO-13-11222-01	07MO4410 05SO2976

3.1.1 Total Waste in 2015

Table 10 – Total Waste Handled in 2015- Lennon Quarries Limited, Tallagh Hill Soil Recovery Facility (WO-256-02)

TOTAL WASTE HANDLED in 2015:	74,007.00 Tonnes
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Table 11 : Monthly Breakdown of Tonnage to Lennon Quarries Soil Recovery Facility.

Month	Tonnes
January	2505
February	2,255
March	2,886
April	5,242
May	5,564
June	10,925
July	39,136
August	3,344
September	31
October	323
November	900
December	896
Total 2015	74,007

Table 11 : Wastes removed from Lennon Quarries Soil Recovery Facility 2016.

Date	Waste Description	EWC Code	Tonnes	Destination / Authorisation No.	Treatment
19/05/2015	Mixed Waste from Quarantine Area – Tallagh Hill	17 09 04	0.52	Lennon Quarries Materials Recovery Facility, Glencastle, Belmullet, Co. Mayo (WFP-MO-14-0034-01)	Segregation into plastics, metal, concrete for recovery

2.2 Waste Recovery

All waste fill taken to the site was recovered at the facility. The careful placement of fill and the subsequent reseeding, rolling etc. ensured that the resultant ground was agriculturally viable.

No waste loads were rejected from the facility during 2015. All waste accepted at the site was in compliance with conditions of the Waste Facility Permit.

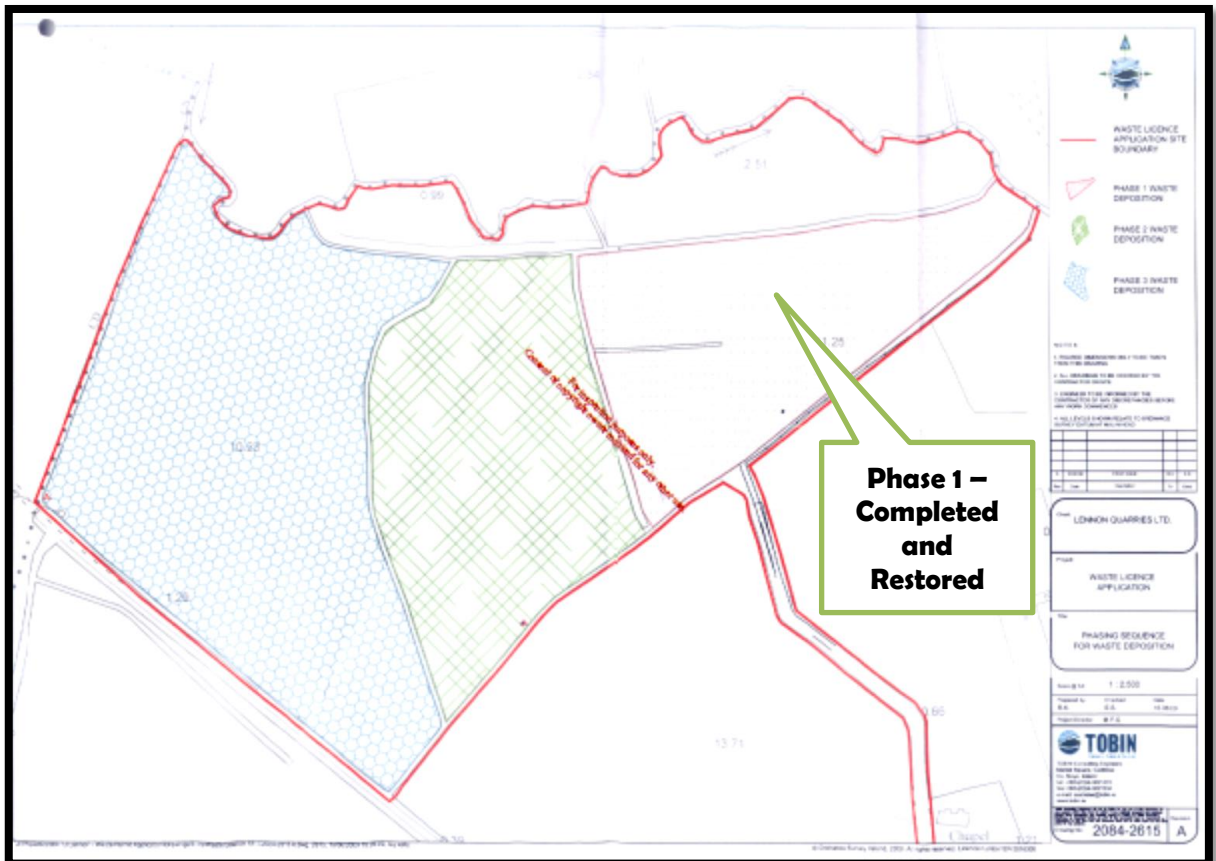
Some extraneous individual items of non-complaint materials were extracted from loads during offloading at the Inspection zone. These items included pieces of plastic piping / ducting, geo-textiles, concrete pipes, reinforcing steel bars and some items of PPE (hard-hat, gloves etc.). These waste items had been placed in a covered 14 cu y skip located in the on-site Waste Quarantine Area. The material was brought to the Lennon Quarries Material Recovery and Transfer Facility, Glencastle, Belmullet for recovery as per table.

3. SITE WORKS

3.1 Progress of Waste Deposition Works

The site was approximately 50% by volume filled by end of 2015. All wastes taken to the site have been deposited in accordance with the phased filling plan. Phase 1 (the eastern section of the site) is nearing completion. Reseeding and the rendering of filled areas as suitable for agriculture have been undertaken in sub-phases of Phase 1. This ensured that the amount of exposed bare earth was limited to only fresh fill and it also reduced the impact from dust to the atmosphere and suspended solids to the drainage system and freshwaters.

Fig 1. Filling Phases of Tallagh Hill Facility



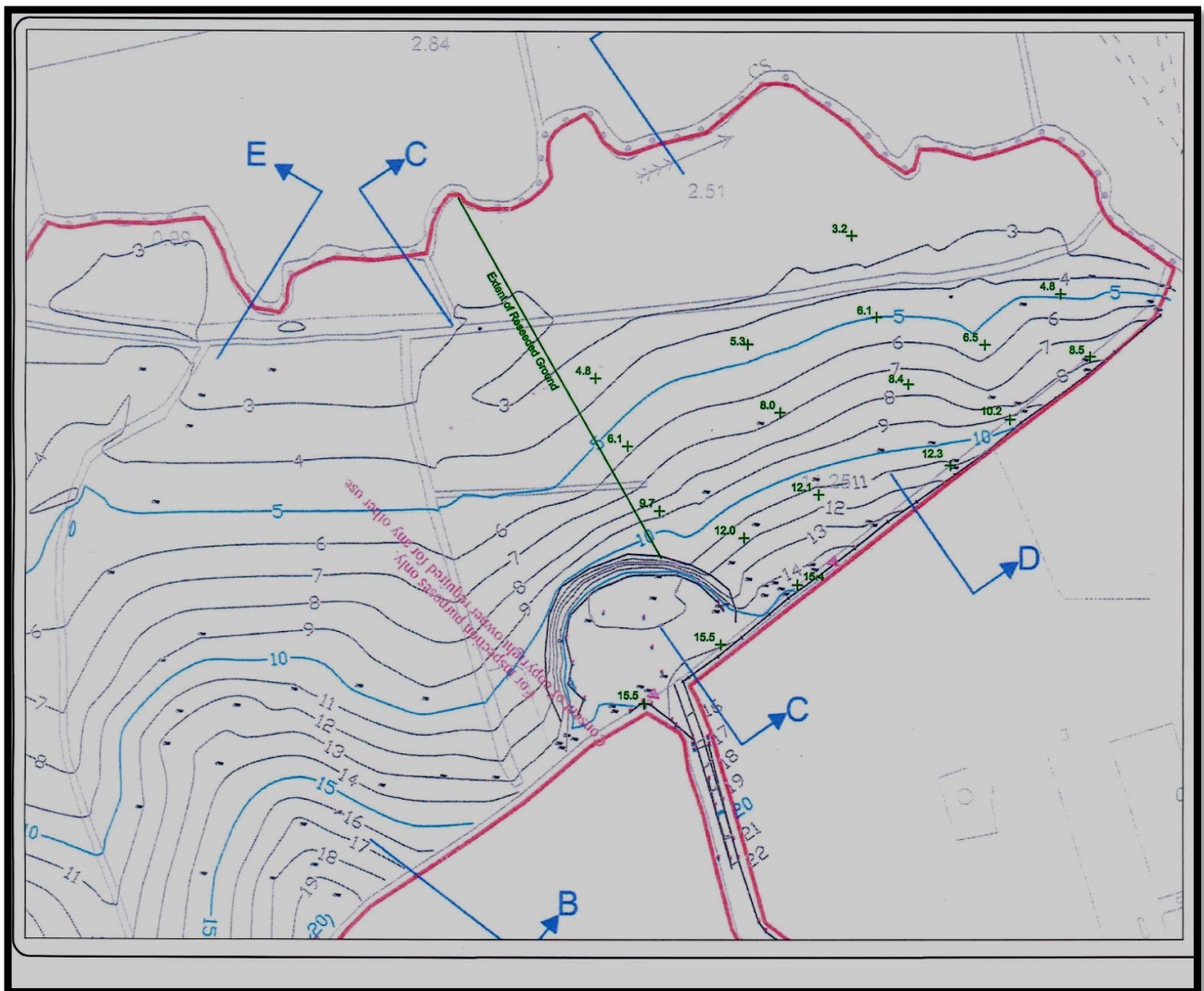
3.2 Expected Project Completion Date

The expected completion date for the project is unknown at this date as it is dependent on the upcoming availability of suitable volumes of fill in the catchment area.

3.3 Topographical Survey

A topographical survey was undertaken in December 2015 by Earth Science Partnership Consultants.

Fig 2. Topographical Survey of Tallagh Hill Facility



3.4 Stability Assessment

An over of the Stability at the site was undertaken by Darlot Consultants Ltd, Civil Engineers in 2014. No stability assessment was undertaken in 2015. It is proposed to carry out a further study towards the end of 2016.

4. RESOURCE MANAGEMENT AT THE FACILITY

4.1 Resource Consumption, Use and Energy Efficiency Report

All items of plant used at the facility are powered by diesel combustion engines. A tracked excavator was utilised to place and level incoming fill material at the facility. A 4-wheel drive tractor was used to rotavate spread grass seed and roll the areas readied for reclamation. No electricity is utilized at the site.

Table 12 – Total Fuel Usage in 2015- Lennon Quarries Limited, Tallagh Hill Soil Recovery Facility (WO-256-02)

TOTAL FUEL USED in 2015:	9,698 Litres
Equivalent kWh:	98,618.96

5. COMPLAINTS SUMMARY

5.1 Complaints

Details of all complaints made by the public are recorded in a Complaints Register. Complaints can be registered by contacting management or staff at the site. The register includes the name of the complainant, the nature of the complaint, the date of the complaint and the actions taken to remedy the complaint. The Managing Director / Facility Manager must sign off all completed forms.

There were no complaints received during the reporting period.

6. ENVIRONMENTAL MANAGEMENT AT THE FACILITY

6.1 Schedule of Environmental Objectives and Targets

- To comply fully with the conditions of EPA Waste Licence W0256-02;
- To comply with applicable environmental legislation and best industry practice;
- To be a good neighbour
- To respect the legitimate concerns and interests of the community;
- To achieve continuous improvement in environmental performance;
- Carry out the business of soil/stones recovery in a manner which will minimise adverse effects on the environment and the local community;
- Conserve resources by making efficient use of energy and raw materials;
- Ensure that employees and contractors perform their duties in a manner consistent with this environmental code;
- Be committed to good environmental management.
- To protect and develop suitable habitat for the endangered Corncrake (*Crex crex*)

6.2 Environmental Management Programme – Report for 2015

The EMP was followed as prescribed in 2015 with good environmental performance and compliance all round at the facility. No environmental issues surfaced throughout the year.

During 2015 a continued effort was made to focus on and assist the NWPS with their efforts in conservation of the endangered Corncrake (*Crex crex*) species. The Lennon Quarries Tallagh Hill Facility had at one time up to seven calling males in and adjacent to the site. After discussion with personnel from the NWPS, Lennon Quarries agreed to set-aside over 1 hectare of reclaimed land in order to provide ideal, undisturbed habitat for the Corncrake

to nest. The area selected was reseeded with grass seed and with nettles to offer cover for the birds. This was deemed a success and the area was fenced off right throughout the nesting period. Calling males were spotted in this habitat. The Tallagh area is one of the most important Corncrake reserves in the country.

6.3 Environmental Management Programme – Proposal for 2015

Lennon Quarries aim to continue their efforts in conservation of the Corncrake for 2015. Over 50% of the available site will be filled (should the supply of suitable fill continue at current rates) and a review of ELRA and CRAMP will also be carried out.

7. BIRD SURVEY REPORT

A Breeding Bird Survey was undertaken by Kelly Environmental Consultants during 2015. The report is attached in Appendix 1.

8. TANK AND PIPELINE TESTING AND INSPECTION REPORT

8.1 Tank and Pipeline Testing / Inspection

There are no items requiring testing or inspection at the facility. No oils or fuels are stored on the site. No chemicals are stored at the facility. Re-fueling is undertaken using mobile fuel bowser (self-bunded).

There are 5 no. Settlement Ponds at the facility for the removal of suspended solids from surfacewater discharges. A weekly inspection of these infrastructures is undertaken and recorded by Lennon Quarries personnel.

9. REPORTED INCIDENTS SUMMARY

9.1. Reported Incidents Summary

There were no reportable incidents at the facility during 2015.

10. FACILITY MANAGEMENT

10.1 Management and Staffing Structure at the Facility

The facility is managed by Mr. Dermot Lennon with Mr. T.J. Lennon (Jnr) as Assistant Manager. The Soil Recovery Facility is an associated activity of the Lennon's quarrying and processing business and a number of employees operate between both arms of the company. Figure 1 below outlines the current organizational structure at the MRF.

LENNON QUARRIES LTD - TALLAGH HILL SOIL RECOVERY FACILITY

Management Organisational Structure

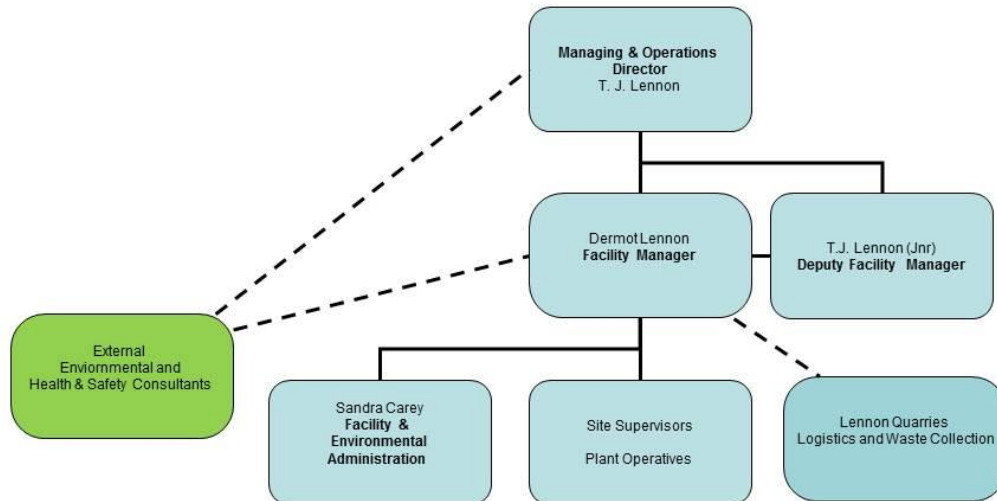


Fig 1 Management and Staffing Structure at Lennon Quarries Soil Recovery Facility, Tallagh Hill.

11. PROGRAMME FOR PUBLIC INFORMATION

11.1 Programme for Public Information

A Communications Programme is in place for the facility as part of the Environmental Management System. This includes;

- The Public Notice Board located adjacent to entrance to the site from the public road. Contact details and emergency out-of-hours contact details are listed on the sign.
- A porta cabin office located at the site which houses a copy of the Waste Licence and compliance documentation
- Access to Lennon Quarries Head Office in Glencastle – where comprehensive information on the facility is available within working hours,

- Availability of Company Director T.J. Lennon, Facility Manager Dermot Lennon or Assistant Facility Manager T.J. Lennon (jnr) at all reasonable times in person or by telephone to discuss any issues or answer questions from interested parties.

As part of the review process of Waste Licence W0256-01, communication with all interested parties in the vicinity of the facility was undertaken during 2015. Door to door visits were made to all relevant parties in conjunction with the sending of informational letters from Lennon Quarries. All relevant parties (from private householders to local organisations such as the G.A.A to public bodies such as The North Western Region Fisheries Board, NWPS) were notified of the proposed alterations to the facility i.e. an increase in the annual intake capacity.

No objections were lodged against the proposed increase in annual capacity and active, open communication with the local community remains a priority for Lennon Quarries.

12. REVIEW OF CLOSURE, RESTORATION AND AFTERCARE MANAGEMENT PLAN (CRAMP)

12.1 CRAMP Review

A comprehensive Closure, Aftercare and Management Plan (CRAMP) is in place for the facility having been developed by Tobin Engineering Consultants. The plan was assessed as part of an environmental and operational review of the facility in 2015. No alterations were deemed necessary. A further review of the CRAMP will be undertaken in 2016.

13. ENVIRONMENTAL LIABILITIES RISK ASSESSMENT REVIEW

13.1 ELRA Review

This was not scheduled for review during the reporting period.

14. OTHER ITEMS

14.1 List of other items specified by the Agency

No further items have been specified by the Agency for inclusion in the Annual Environmental Report for 2015.

APPENDIX 1
BREEDING BIRD SURVEY



Breeding Bird Survey 2015

Lennon Quarries Limited.

at

**Tallagh Soil Recovery Facility,
Belmullet, Co Mayo
(E.P.A LICENCE REG. NO. W0051)**

Prepared by:

**KELLY ENVIRONMENTAL,
CONSULTING & ADVISORY SERVICES
OFFICE 2, THE RESOURCE CENTRE,
BALLYCASTE
COUNTY MAYO.**

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1. INTRODUCTION

In accordance with condition 6.15 of the Lennon Quarries EPA Waste License (registration no: W0256-01), an annual breeding bird survey is to be undertaken at their Soil Recovery Facility at Tallagh, Belmullet, Co. Mayo, unless otherwise required by the agency. It states, the survey should record the number of birds of conservation concern utilising the site. The results of the survey are demonstrated in this document.

The breeding bird survey was undertaken on Wednesday the 17th of June 2015 at the site. The Survey consisted of approximately 3 hour watches from each of 3 vantage points (VPs 1, 2 and 3). The Survey also included observation of any habitat or breeding species within a 100m range outside of the site boundary in question.

2. SITE DESCRIPTION

The facility consists of a 27 hectare site located 3km north of Belmullet town. The site is principally dominated by cutover bog habitat which has been used for peat fuel supply and sheep grazing in the past. The site is currently active as a Soil Recovery Facility with an annual intake of 90,000 tonnes licensed. The site is being reclaimed for agricultural purposes using clean soil / stone (EWC 17 05 04) and filling is undertaken in a phased approach. At present approximately 55 % of the licensed area has been filled. To the north of the site runs the Clooneen River flowing in an easterly direction to the sea. This is protected from inflow of silts from activities at the site by a number of settlement ponds.

The land use surrounding the site is mainly rough grazing agricultural and consists of bogland, cut away bogland, with little tree-cover, some hedgerows and scattered private dwellings.

It must be noted the site is adjacent to a derelict former intensive mushroom growing facility. The grounds around the former industry are not grazed and are lush with vegetation (primarily the Annual Nettle- *Urtica urens*).

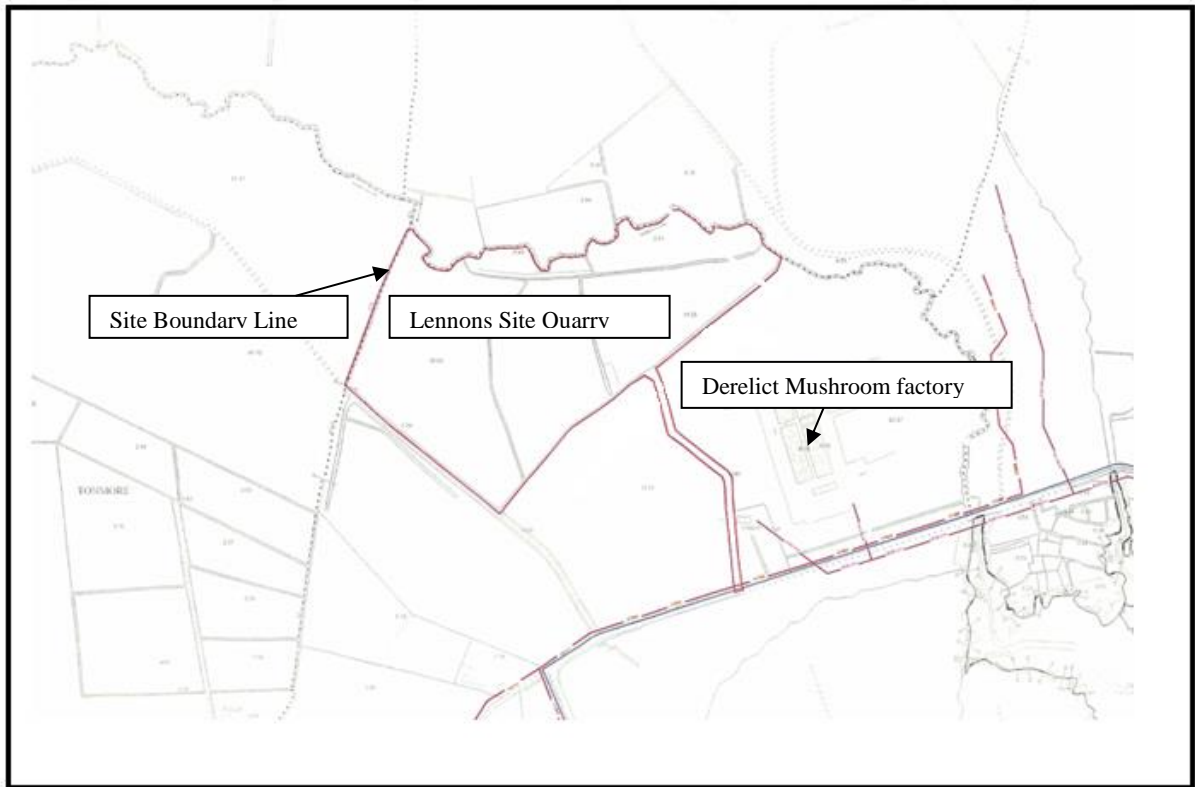


Figure 1: Site Layout

3. METHODS/ METHODOLOGY

The site was surveyed on the 17th June, 2015, as the bird nesting season runs from 1st March to the 31st September this was an ideal time to verify any breeding birds on the site.

The survey areas included three vantage points plus a buffer zone of approximately 100m around the site boundary; however the full site boundary was inaccessible from the ground

The breeding birds survey was conducted in accordance with the Countryside Bird Survey (CBS) by conducting two transects across the survey area, walk of site boundary and Vantage point watches.

Vantage Point Watches

These vantage points are marked in figure 3 and were chosen as they provide a good view over the site. The location was also chosen as this sector of the site is where the majority of filling and restoration activity occurs. Three-hour watches were undertaken at each of the points.

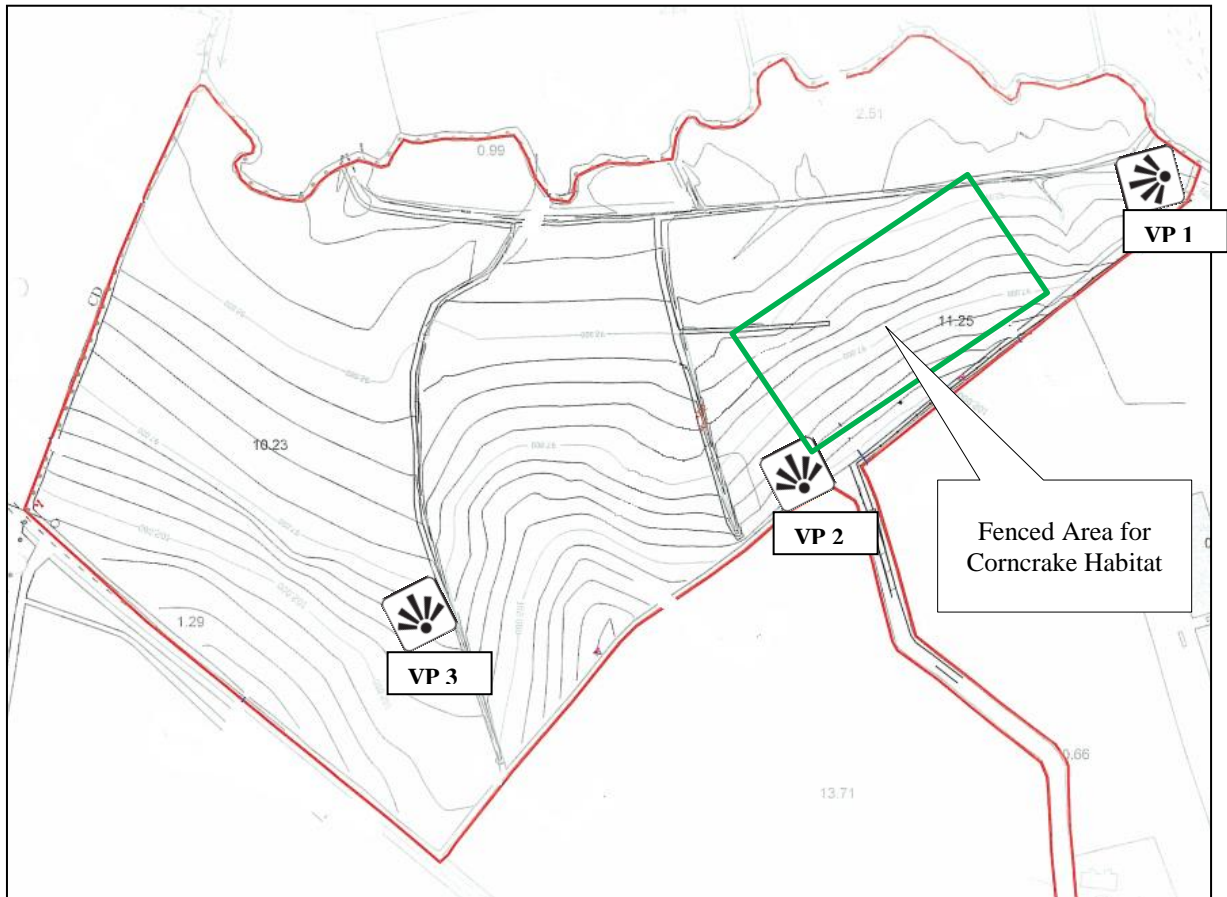


Figure 2: Location of Vantage Points at Tallagh Soil Recovery Site

Transect and Walk Survey

This methodology involved walking two transects across the site, including a walk of the boundary (800m approx.) where accessible. During this survey a number of stops were made to examine and listen for any overhead or low lying birds, also examining beyond the site boundary.

Site visits were carried out from 06:00 to 18:00. Weather conditions - overcast with low cloud cover, moderate south-westerly wind and occasional rain showers. The weather conditions were suitable for the survey.

The conservation value of birds within the EU is based on the species listed in Annex I of the “Birds Directive”, which are protected under Irish and European law. The species mentioned in Annex I of the Directive “shall be the subject of special conservation measures concerning their habitat in order to ensure their survival and reproduction in their area of distribution” (EEC, 1979). Within Ireland, BirdWatch Ireland has agreed a list of priority bird species for conservation action on the island of Ireland. These Birds of Conservation Concern in Ireland are published in a list known as the BoCCI list (lynas *et al.* 2007). In this BoCCI List, birds are classified into three separate lists (Red, Amber and Green), based on the conservation status of the bird and hence conservation priority. The Red Listed birds are of high conservation concern, the Amber List birds are of medium conservation concern and the Green List birds are not

considered threatened. Specific criteria are used to classify a bird into one of these three categories.

4. RESULTS

VP	Common Name	Scientific Name	No. Of Sightings	Conservation Status	Comments
VP 1	SkyLark	<i>Alaudia avensis</i>	1	Amber	Heard singing overhead
	Common Gull	<i>Larus canus</i>	2	Amber	Flew West of the site
	Swallow	<i>Hirunda Rustica</i>	4	Amber	seen overhead and foraging on site
VP2	Swallow	<i>Hirunda Rustica</i>	3	Amber	seen overhead and foraging on site
	Corncrake	<i>Crex crex</i>	2*	Red	1 male bird observed running for cover from the surveyed site to the site adjacent . 1 heard off-site calling from within nettle and grass foliage adjacent to old mushroom Factory.
VP3	Swallow	<i>Hirunda rustica</i>	2	Amber	seen flying overhead
	Robin	<i>Erithacus rubecula</i>	1	Green	Seen landing on the newly erected Corncrake zonal fence for approx. 2 min before flying east
	Fulmar	<i>Fulmarus glacialis</i>	2	Green	seen flying overhead
	SkyLark	<i>Alaudia avensis</i>	2	Amber	Heard singing overhead

Total Number of Birds Species Recorded during the Viewpoint Survey: **6**
 Note* - 1 actual sighting of the Corncrake – 1 individual male heard calling from adjacent to the site in nettle cover.

Table 1: Results from Viewpoints

Common Name	Scientific Name	No. Of Sightings	Conservation Status	Comment
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SkyLark	<i>Alaudia avensis</i>	3	Amber	Seen singing overhead
Magpie	<i>Pica pica</i>	2	Green	Perched on fence then flew in Northerly direction over the site
Starling	<i>Stumus Vulgaiis</i>	20-30	Amber	Seen flying East overhead

Total Number of Birds Species Recorded During the Transect/Walkover :	3
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Table 2: Results from Transect/Walkover Survey

Total Number of Birds Species Surveyed at the Lennon Quarries Soil Recovery Facility	9
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Figure 3 demonstrates the location of the birds from the three viewpoints

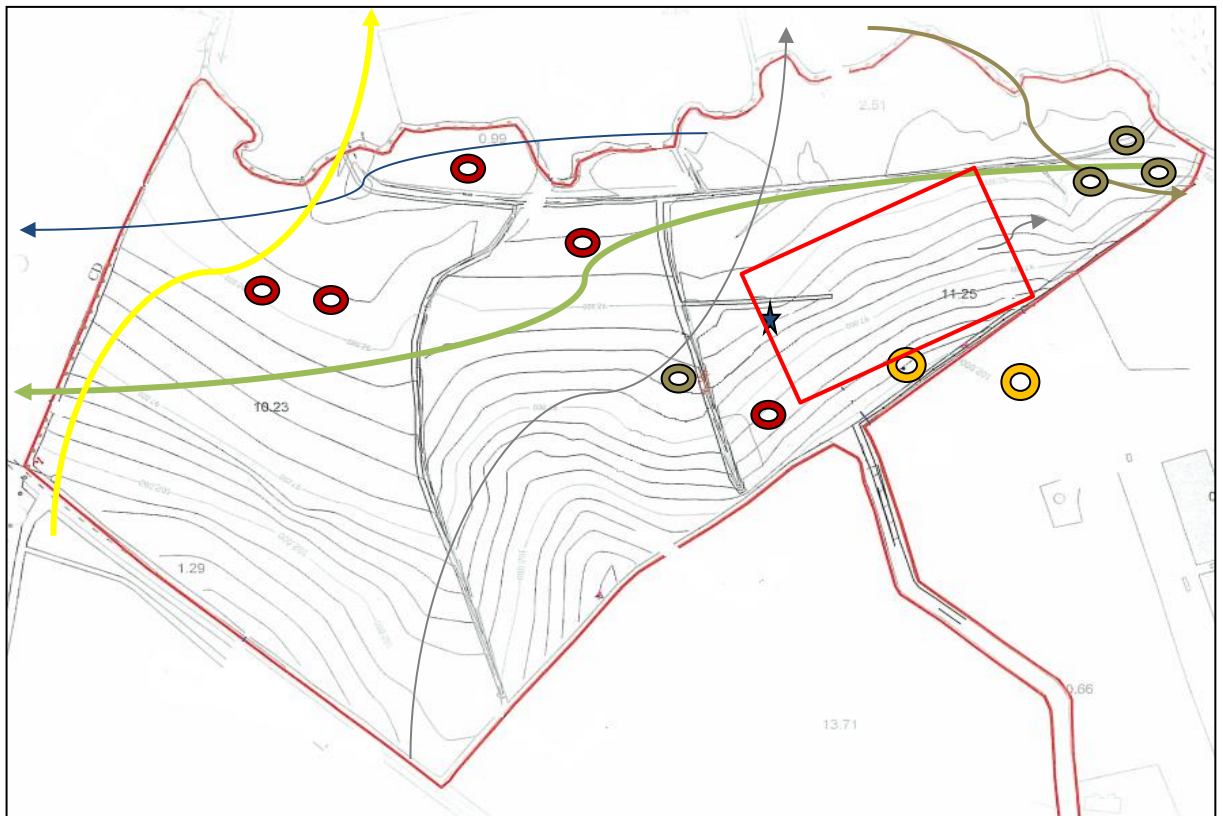














Figure 3: Location Birds Noted On-Site

	Skylarks heard overhead, possible breeding on-site due to locality, however no nest evidence from survey
	Magpie flew north of the site
	Swallows over head and foraging on site
	Concrakes heard offsite in nettles
	Fulmar seen flying overhead 
	Robin  fen  and flying east
	Starling flying East overhead 
	Common Gull seen flying East

Area fenced off for Corncrake Protection (As Agreed with NPWS)

Table 3: Location and Direction of Species on-site

There was a total of 6 bird species which would be of moderate conservation concern recorded at the site. No evidence of breeding on the site was recorded during the survey. The active section of the facility (where soil is being imported as fill and where ground is being reclaimed) does not provide opportunity for nesting birds due to the exposed earth and disturbance from activity. The evidence of Skylark (*Alaudia avensis*) overhead in a number of locations would point to such species breeding within the site or adjacent to it – possibly within the undisturbed section or within drainage ditches. However no evidence of this was recorded during the Survey.

There were possible 2no. Red Annex 1 bird species recorded, the Corncrake (*Crex crex*). 1 male of this species were heard calling from a location off-site but visual contact was only made with 1 male. This male was observed running for cover from the southwestern boundary of the site with the adjacent derelict mushroom facility. The Concrakes make use of the abundant cover offered by the dense nettles and scotch grass in that area adjacent to the site. It has been ascertained that the Corncrake (*Crex crex*) has been observed and recorded in that particular site over a number of seasons by personnel from the National Parks and Wildlife Service and Birdwatch Ireland.

5. CONCLUSION

The site is being filled for reclamation in a phased manner. Approximately one third of the entire the site remains in an undisturbed condition. Where activity is taking place, i.e. the portion of the site being currently filled, earthmoving plant and machinery provides a deterrent to birds from nesting in that area. The filling of the site with clean soil and stone does not appear to have any negative impact on bird life in and around the area.

Apart from one endangered species encountered, the bird life in and around the vicinity of the site was as expected in that particular area of North West Mayo and all observed were overhead or flying through apart from the Pied Wagtail (*Motacilla Alba Yarrellii*).

Special note was taken of the Red Annex 1 Corncrakes (*Crex Crex*) – one of Ireland’s most endangered bird species – which were heard calling from an area off- site adjacent to the facility being surveyed. A telephone conversation was held with a member of the National Parks and Wildlife Service (NWPS) in relation to the presence of the Corncrake and they noted that the infilling activities on the Lennon Quarries site did not appear to be impacting upon it whatsoever. On a number of site visits during 2015, Simon Birch of NWPS informed that again as in 2014 6 / 7 no. males of the species were heard calling on one evening. Lennon Quarries have committed to working with the NWPS to assist with conservations efforts at this location. Lennon Quarries set aside approx. 4 acres of the newly reclaimed section of the Tallagh site as prime habitat for the Corncrake. They area has been fenced off, signs erected and seeded with grass and nettle vegetation for cover and will remain uncut to allow for ideal habitat to attract further numbers of the bird to the area.

The continuation of a phased filling approach as prescribed by conditions of the EPA Waste Licence W0256-01 is important as any bird species will be dissuaded from nesting in the active area. Prior to filling a new section of the site particularly in the nesting season, Lennon Quarries have been advised to undertake a walkover of that area to ascertain whether bird nests are present.

The preserving of prescribed buffer zones between the site and the Clooneen River is also essential to provide undisturbed habitat even after activity has ceased.

The facility is being well managed with special attention being given to the preservation of the endangered Corncrake (*Crex crex*).

APPENDIX 2

PRTR TABLE

[Guidance to completing the PRTR workbook](#)

PRTR Returns Workbook

Version 1.1.19

REFERENCE YEAR	2015
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1. FACILITY IDENTIFICATION

Parent Company Name	Lennon Quarries Limited
Facility Name	Lennon Quarries Limited
PRTR Identification Number	W0256
Licence Number	W0256-02

Classes of Activity

No.	class_name
-	Refer to PRTR class activities below

Address 1	Tallagh
Address 2	Belmullet
Address 3	
Address 4	
	Mayo
Country	Ireland
Coordinates of Location	-9.99583441855 54.265668
River Basin District	IEWE
NACE Code	3832
Main Economic Activity	Recovery of sorted materials
AER Returns Contact Name	Sandra Carey
AER Returns Contact Email Address	sandra@lennonquarries.com
AER Returns Contact Position	Administration
AER Returns Contact Telephone Number	097 81297
AER Returns Contact Mobile Phone Number	
AER Returns Contact Fax Number	097 81734
Production Volume	0.0
Production Volume Units	
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	25
User Feedback/Comments	
Web Address	

2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
50.1	General

3. SOLVENTS REGULATIONS (S.I. No. 543 of 2002)

Is it applicable?	No
Have you been granted an exemption ?	No
If applicable which activity class applies (as per Schedule 2 of the regulations) ?	
Is the reduction scheme compliance route being used ?	

4. WASTE IMPORTED/ACCEPTED ONTO SITE

[Guidance on waste imported/accepted onto site](#)

Do you import/accept waste onto your site for on-site treatment (either recovery or disposal activities) ?	
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This question is only applicable if you are an IPPC or Quarry site

4.1 RELEASES TO AIR

[Link to previous years emissions data](#)

W0256 | Facility Name : Lennon Quarries Limited | Filename : W0256_2015.xls | Return Year : 2015 |

8/26/2016 15:54

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

RELEASES TO AIR		Please enter all quantities in this section in KGs					
POLLUTANT		METHOD		ADD EMISSION POINT		QUANTITY	
No. Annex II	Name	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental)	F (Fugitive)
				0.0	0.0	0.0	0.0

ADD NEW ROW | DELETE ROW * * Select a row by double-clicking on the Pollutant Name (Column B) then click the delete but

SECTION B : REMAINING PRTR POLLUTANTS

RELEASES TO AIR		Please enter all quantities in this section in KGs					
POLLUTANT		METHOD		ADD EMISSION POINT		QUANTITY	
No. Annex II	Name	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental)	F (Fugitive)
				0.0	0.0	0.0	0.0

ADD NEW ROW | DELETE ROW * * Select a row by double-clicking on the Pollutant Name (Column B) then click the delete but

SECTION C : REMAINING POLLUTANT EMISSIONS (As required in your Licence)

RELEASES TO AIR		Please enter all quantities in this section in KGs					
POLLUTANT		METHOD		ADD EMISSION POINT		QUANTITY	
Pollutant No.	Name	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental)	F (Fugitive)
210	Dust	MAB	Data from Bergerhoff gua	0.0	220.0	0.0	220.0

ADD NEW ROW | DELETE ROW * * Select a row by double-clicking on the Pollutant Name (Column B) then click the delete but

