Kerry County Council

Waste Licence Ref No. W0225-01

Dingle Civic Amenity Site;
Flemingstown;
Lispole;
An Daingean;
County Kerry.

Annual Environmental Report.

Reporting Period:
January 1st 2016 – December 31st 2016

Prepared By:
Environmental Service Section,
Kerry County Council,
Maine Street,
Tralee
Co. Kerry.

March 2017.

1.0 Introduction

Kerry County Council operates a civic amenity facility located in the townland of Flemingstown, Lispole adjacent to the N86 Dingle to Tralee road and approximately 5 km east of the town of Dingle, Co. Kerry. The site is accessed via the county road L-8052.

The principal activities at the facility include the recycling or reclamation of inorganic materials including mixed dry recyclables, C & D rubble, metals, glass, steel and aluminium cans, car batteries, dry cell batteries, fluorescent tubes, domestic hazardous waste, cardboard, plastic bottles, textiles, wood, WEEE and newspapers. Small quantities of organic waste (food and garden) are also collected.

Mixed municipal waste is also accepted on site and compacted into 30 cubic meter closed containers for subsequent transfer and disposal at North Kerry Landfill in Muingnaminane, Tralee.

This Annual Environment Report is prepared in accordance with Condition 11.8 and Schedule F of Waste Licence W0225-01 issued by the Environmental Protection Agency (EPA).

2.0 Reporting Period

The reporting period for this Annual Environmental Report is 1st January 2016 – 31st December 2016.

3.0 Waste Activities carried out at the Facility

Waste disposal activities carried out at Dingle Civic Amenity Site are in accordance with Part 1 of Waste Licence W0225-01 which outlines the waste disposal activities licensed in accordance with the Third Schedule of the Waste Management Acts 1996 to 2005.

Licensed activities include:

Class 12 Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule.

Class 13 Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.

Waste recovery activities carried out at Dingle Civic Amenity Site are in accordance with Part 1 of Waste Licence W0225-01 which outlines the waste recovery activities licensed in accordance with the Fourth Schedule of the Waste Management Acts 1996 to 2005. Licensed activities include:

Class 2 Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes).

Class 3 Recycling or reclamation of metals and metal compounds.

Class 4 Recycling or reclamation of other inorganic materials.

Class 13 Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced.

4.0 Quantity and Composition of Waste Received, Disposed and Recovered: 1st January 2016 – 31st Dec 2016.

Waste Disposal:

Waste collected at Dingle Civic Amenity Site for disposal during the reporting year (2016) increased by 78.96 tonnes *(or approx 16.2%)* on the previous year's (2015) total.

563.50 Tonnes of waste was accepted into Dingle Civic Amenity Site for disposal during 2016 The volume of waste collected can be broken down as follows:

Waste for Disposal	*Tonnes 2012*	*Tonnes 2013*	*Tonnes 2014*	*Tonnes 2015*	*Tonnes 2016*
Public / Domestic.	226.64	319.90	409.1	456.46	532.02
Road Sweepings & Graveyard Waste.	0.16	1.14	0.62	0.86	1.22
Flytipping.	16.98	25.88	36.92	27.22	30.18
Total for Disposal.	**243.98**	**346.92**	**446.64**	**484.54**	**563.50**

Table 1: Waste Stream Breakdown for reporting Period 2016.

It is expected that waste disposal and recycling rates at Dingle Civic Amenity Centre will increase slightly for the next reporting period 2017. This is evident from the trends as set out above in Table 1.

If the "pay-by-weight" Regulations are introduced for Civic Amenity Sites / Recycling Centres, they will have an impact on the operation of Dingle *(indeed all of our Civic Amenity Sites / Waste Transfer Stations)*. We are awaiting clarification from the Department of Communications, Climate Action and Environment in relation to the "pay-by-weight" Regulations so that we can assess its impact on our services.
The Agency shall be informed of any necessary changes to the site layout etc.

Appendix I gives a breakdown of waste by classification collected on site and sent for land filling / recovery / recycling off site during the reporting period.

Recycling & Recovery

Waste sent for recycling during 2016 compared with 2015 is outlined in Table 2 below.

Waste for Recycling & Recovery		
2014	***2015***	***2016***
345.376 Tonnes	**314.475 Tonnes**	**388.509 Tonnes**

Table 2:

The quantities of waste accepted & sent for recycling in 2016 is slightly higher *(by 74.034 tonnes)* than the 2015 figure.

It is anticipated that the quantity of waste accepted at Dingle CAS sent forward for recycling will increase slightly for the next reporting period 2017.

Waste collected at Dingle Civic Amenity & recovered / recycled off site during 2016

Material type	Suggested EWC codes	Total
Mixed residual waste (Trans Waste out of facility)	20 03 01	563.50
Organic waste (food and garden)		0.00
food (compost waste Milltown TS)	*20 01 08*	0.00
garden (Green Waste)	*20 02 01*	16.64
Mixed dry recyclables (Ecosence Bags)	15 01 06	77.50
Cardboard, newspaper and other paper		0.00
cardboard packaging	*15 01 01*	28.76
cardboard non-packaging	*20 01 01*	0.00
paper packaging	*15 01 01*	0.00
paper non-packaging	*20 01 01*	0.00
newspaper and magazines	*20 01 01*	34.52
Glass		0.00
glass packaging (bottles)	*15 01 07*	29.3580
glass non-packaging (flat glass)	*20 01 02*	7.7000
Metals		0.0000
aluminium cans (packaging)	*15 01 04*	0.5110
steel cans (packaging)	*15 01 04*	1.7020
other metals (scrap metals)	*20 01 40*	40.34
Plastic		0.00
plastic packaging (bottles)	*15 01 02*	6.62
plastic non-packaging	*20 01 39*	0.00
polystyrene		0.00
Composite packaging (e.g. tetrapaks)	*15 01 05*	0.00
Textiles		0.00
textiles, packaging	15 01 09	0.00
textiles, non-packaging (clothes)	20 01 11	7.66
Wood		0.00
wood packaging	15 01 03	0.00
wood non-packaging	20 01 38	0.00
mixed, uncontaminated wood packaging and non-packaging (collected at An Daingean)	15 01 03; 20 01 38	58.88
wood, treated, hazardous	20 01 37*	0.00
Batteries	*Portable*	0.00
lead acid batteries and accumulators (Car Batteries)	16 06 01*	0.00
Ni-Cd batteries and accumulators	16 06 02*	2.158
Other (e.g. alkaline) batteries and accumulators (Small Batteries)	16 06 04	0.0000 0.00
Household Hazardous Waste		0.00
Waste mineral oils (Engine Oil)	13 02 08	2.20
Oil filters (vehicles)	13 08 99	0.00
Oil containers (mineral oil) - plastic + metal	15 01 10	0.00
Waste cooking or vegetable oils - collected by Danco	20 01 25	0.20
Waste paint and varnish (including containers)	08 01 11	2.100
Aerosols	16 05 04	0.04
WEEE collected by compliance schemes		
CRT	20 01 36	16.087
SDA - Small Domestic Appliances	20 01 36	27.866
LDA - Large Domestic Appliances	20 01 36	14.489
Cold	20 01 36	8.063
Rubble/C&D Waste (An Daingean CAS)	17 01 07	12.34
Ink Cartridges	08 01 11	0.00
Florescent Tubes	20 01 11	0.475
Overall Totals Excluding Mixed Residual Wast		388.509

Table 3: Waste collected on site & recovered / recycled off site during 2016

5.0 Summary of Procedures Developed by the Licensee

The following procedures were developed during the reporting period:

- Revised Operational Procedures for the site supervisor which included a daily inspection checklist of 'Emergency Stops' within the confines of the Transfer/ Recycling centre.

6.0 Emissions from the Facility

a) Foul Water Emissions

A Wastewater Treatment Unit and reed bed is installed at the facility to treat all foul waters from the site. The Wastewater Treatment Unit was serviced during 2014. Foul water is treated in the Wastewater Treatment Unit and reed bed before discharging to the surface water drain.

b) Surface Water Emissions

A full report prepared by the Environmental Laboratory of KCC is not included in this document and will be forwarded separately as a licensee return to the Agency. Kerry County Council's laboratory is currently working towards ISO accreditation and as a result the Senior Executive Chemist's time has been taken up with this process. However, verified lab results are provided in **Appendix II of this report.**

c) Waste from Silt Traps and Interceptors

No silt / sludge or wastewater was removed from the oil interceptor or foul waste water treatment unit during the reporting period.

7.0 Resource Consumption Summary

The following is the energy consumption for Dingle Civic Amenity Site for the reporting period.

7.1 Diesel

Electric compactors and a forklift truck are used at the Dingle civic amenity site. As such there is diesel usage is quite low. 601 litres of diesel were consumed in 2016.

7.2 Electricity

Electricity consumption was slightly higher in 2016 than in 2015.

Year	Average Electricity Usage kWh / day
2016	19.03
2015	17.35
2014	15.33
2013	18.3
2012	16.8
2011	23

Table 4: Electrical Usage

The primary energy consumer on site is a 3 phase waste compactor. Power is also required for the office computer and lighting, CCTV, storage heating, cardboard baler and public lighting on the site.

7.3 Water

Water supply to the site is via a connection to the mains water supply. Water is used on site for power washing yards, office toilets and sinks, public toilets and washing compactor area.

No surface water or ground water is abstracted. 90m^3 of metered water was consumed in 2016.

8.0 Reported Incidents and Complaints

No incidents or complaints were reported in relation to the operation of the facility during the reporting period.

9.0 Schedule of Environmental Objectives and Targets for the Forthcoming Year 2016

Target Area	2016 - Objective	2016 – Expected Outcome to Indicate achievement of target.
Odour Management	Continue to ensure that the waste facility does not cause a nuisance in terms of odour through good housekeeping practices on site.	No odour complaints received due to on-site / off-site odour.
Waste Storage Practices	Ensure good housekeeping on site so that waste is stored and collected in a timely fashion so as not to cause a nuisance on site or to the surrounding areas.	No wind blown litter on site or on the public road adjacent to our site. No overflowing bins on site.
Incident Prevention	Continue with daily inspection and record keeping of emergency "STOP" controls on site. Look at Fire Preventative and Emergency Response Procedure for the site.	Staff will strive to ensure no incidents occur on site by being vigilant and act on notifiable incidents immediately or in so far as is practicable.
Waste acceptance, classification and record keeping.	Continue to record and document all waste types entering and leaving the site with monthly verifiable reports being produced.	Monthly reports on waste streams produced and verified
Proposed Household Waste Regulations	It is anticipated that the proposed Household Waste Regulations will have an impact on the operation and site layout of the Dingle Civic Amenity site. Once the Regulations are brought into force at our Civic Amenity Sites, it is Kerry County Council's intension to assess the impact of the Regulations and adapt all sites - where necessary - to meet the new requirements.	Household Waste Regulations have yet to be put on the Statute Book. We will strive to ensure full compliance with the proposed "pay-by-weight" Regulations.

10.0 Noise Monitoring Report Summary

A noise survey was undertaken on the 23rd March 2016, 24th May 2016 & 17th August 2016 by Southern Scientific Surveys Ltd. (Environmental Consultants). The report forwarded to Kerry County Council is dated 23rd December 2016. ***(Please see Appendix IV of this report).***

The site Waste Licence specifies a day-time limit of 55dB (A) L_{Aeq} *(30 min)* at the monitoring locations. It is clear from the results section of the report that this noise limit is frequently breached. However it is also clear that the majority of noise leading to the breach of this limit is attributable to public road traffic *(the N70 – a busy national secondary route and the main traffic artery to the town of Dingle – is adjacent to two of the four noise monitoring locations)*.

The report concludes –
"The noise survey results demonstrate that the 55dB (A) L_{Aeq} (30 min) limit was met at location N2 on all occasions and at N3 on two of the three monitoring occasions. Activities at the Civic Amenity Site were not audible at these locations and measured noise levels were associated with other extraneous noise sources such as local road traffic. The measured noise levels at locations N1 and N4 exceeded the 55dB (A) limit on all occasions. These exceedences were predominantly attributable to traffic noise generated on the road network in the area, particularly the adjacent N86 national route.

Analysis of the $^1/_3$ Octave Frequency Spectra show that there was no prominent tonal noise present when assessed following the criteria in Annex D of ISO 1996 (Part 2), 2007. It is concluded that activities at the Civic Amenity Site are not adversely impacting on the noise environment at the nearest noise sensitive locations. The Civic Amenity Site does not generate noise at night-time when the facility is closed."
No tones were observed or detected by the sound level meter at any location.

There were no issues with noise during 2015 and no complaints were received in relation to noise at the facility during 2015 or 2016. The results over the years have shown that the facility caused no significant noise nuisance to neighbours.

It is Kerry County Council's intension to seek a technical amendment in relation to the noise monitoring requirement of Waste Licence W0225 as past monitoring indicates that the site is not causing excessive noise to the surrounding environs.

11.0 Dust Monitoring Summary

A dust survey was undertaken between the 20th September & the 18th October 2016 by Southern Scientific Surveys Ltd. *(Environmental Consultants)*. The report forwarded to Kerry County Council is dated 7th November 2016. ***(Please see Appendix III of this report).***

COMMENT

ST 1 *– C16-Oct 985*

This monitoring point is located under trees. The collector gauge contained water, vegetation and a considerable amount of brown particulates and algae growth. The dried dish contained a considerable amount of brown particulates and algal residue. The ashed dish contained a considerable amount of grey particulates and residue. The ashed residue underwent effervescence on addition of acid indicating the presence of carbonate in the residue.

COMMENT

ST 2 *– C16-Oct 986*

This monitoring point is located under trees next to the main entrance. The collector gauge contained water and a considerable amount of vegetation and brown particulates and algae growth. The dried dish contained a considerable amount of brown particulates and algal residue. The ashed dish contained a considerable amount of brown /grey particulates and residue. The ashed residue underwent effervescence on addition of acid indicating the presence of carbonate in the residue.

COMMENT

ST 3 *– C16-Oct 987*

This monitoring point is located beside hedge. The collector gauge contained water, vegetation and a considerable amount of green particulates and algae growth. The dried dish contained a considerable amount of green / brown particulates and algal residue. The ashed dish contained a considerable amount of brown /grey particulates and residue. The ashed residue underwent no effervescence on addition of acid indicating the absence of carbonate in the residue.

COMMENT

ST 4 *– C16-Oct 988*

This monitoring point is located in main yard of transfer station. The collector gauge contained water vegetation (Leaves) and a considerable amount of brown particulates and algae growth. The dried dish contained a considerable amount of brown particulates and algal residue. The ashed dish contained a considerable amount of brown/grey particulates and residue. The ashed residue underwent effervescence on addition of acid indicating the presence of carbonate in the residue

It is understandable that the dust monitoring results would be affected by the proximity of the gauges to trees & other sources of vegetation. Prior to carrying out dust monitoring in 2017 Kerry County Council propose to hire a mechanical hedge trimmer *(or equivalent)*.

There were no issues with dust during 2016 and no complaints were received in relation to dust at the facility during 2015 or 2016.

12.0 Development / Infrastructural Works Summary

A digitised *(topographical)* site survey was completed during 2016.

13.0 Proposed Development / Infrastructural Works for coming Year

Should “pay-by-weight” legislation be introduced substantial development works will probably be required to facilitate it.

A revised traffic management plan – & associated traffic delineation lines and regulatory signs – is proposed in 2017.

14.0 Report on Financial Provision in Dingle during 2016

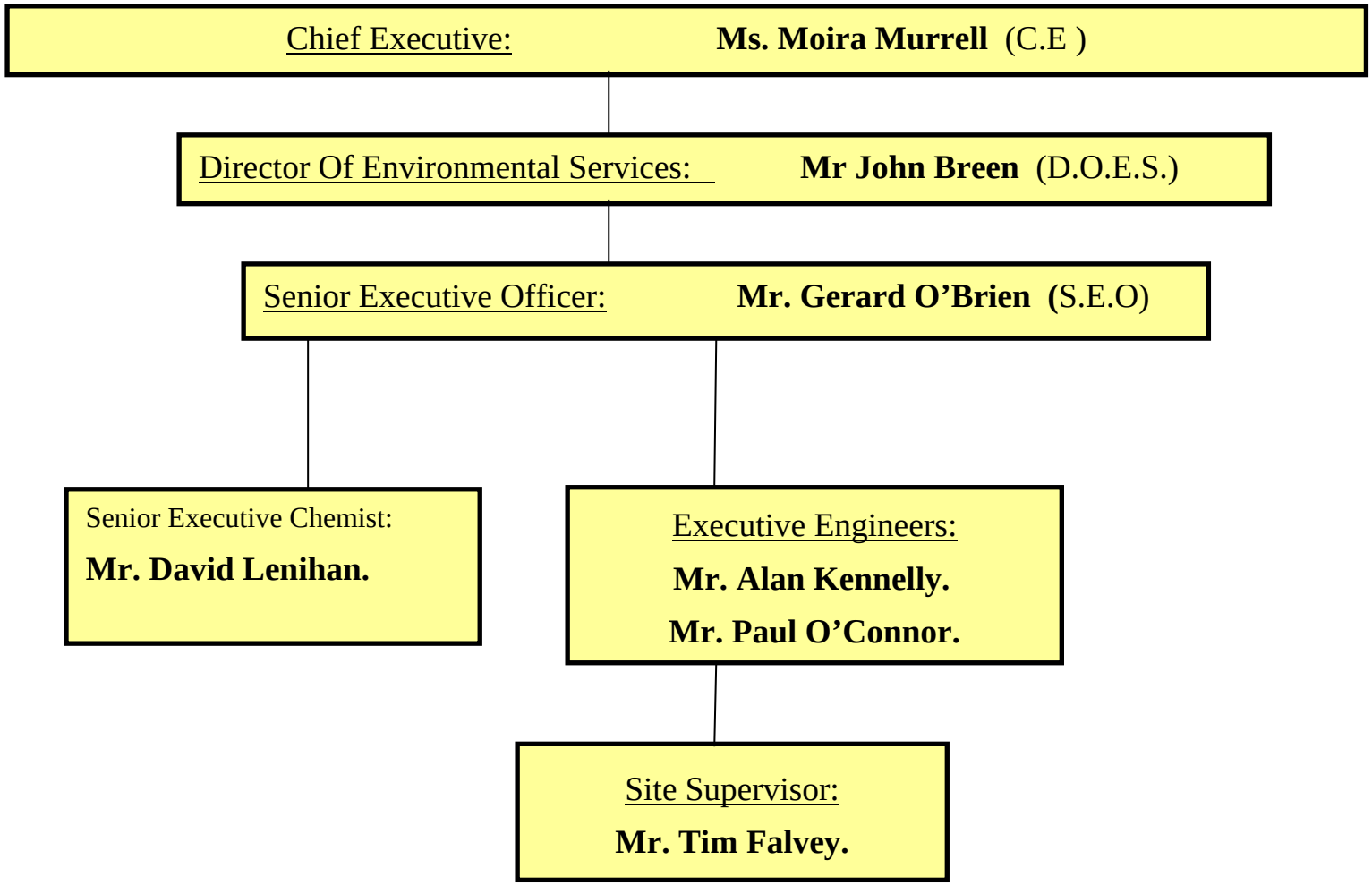
a) Statement of Costs for Waste Operations during 2016

Accelem	Account Element	Euro €
60030	Wages	€ 19,108.00
60040	Salaries	€ 12,890.00
60100	ER PRSI	€ 3,216.00
60200	Overtime	€ 1,895.00
60400	Sick Pay	€ 225.00
60500	Annual Leave	€ 1,814.00
60510	Bank Holiday Leave	€ 273.00
60600	Travel/Subsistence	€ 1,900.00
65500	Minor Contracts- Trade Services & other works	€ 59,263.00
67500	Non-Capital Equip Purchase - Computers	€ 287.00
68000	Non-Capital Equip Purchase - Office Equip/Furn	€ -
68500	Non-Capital Equip Purchase - Other	€ 49.00
69000	Hire (Ext) - Plant/Transport/Machinery & Equipment	€ 175.00
69200	Repairs & Maint - Plant	€ -
69260	Repairs & Maint - Other Equip	€ 40.00
69400	Transfers from Machinery Yard	€ 610.00
69600	Other Vehicle Expenses	€ -
70000	Materials	€ 285.00
70990	Issues from Stores	€ 48.00
71000	Insurance	€ 323.00
73400	Staff Travelling & Subsistence Expenses	€ 1,011.00
76000	Communication Expenses	€ 171.00
76100	Postage	€ 43.00
77100	Courier	€ -
77200	Security - Property	€ 760.00
78000	Training	€ 375.00
79900	Consultancy/Professional Fees and Expenses	€ -
81000	Printing & Office Consumables	€ 9.00
82100	Statutory Contributions to Other Bodies	€ 5,484.00
85100	Rates & Other LA Charges	€ 6.00
86000	Energy / Utilities	€ 1,792.00
	Total	**€ 112,052.00**

b) Statement of Costs for Recycling Operations during 2016

Accelem	Account Element	Euro €
60030	Wages	€ 17,873.00
60040	Salaries	€ 12,887.00
60100	ER PRSI	€ 3,090.00
60200	Overtime	€ 1,709.00
60500	Annual Leave	€ 1,688.00
60510	Bank Holiday Leave	€ 550.00
60600	Travel/Subsistence	€ 1,812.00
65500	Minor Contracts- Trade Services & other works	€ 23,877.00
66500	Non-Capital Equip Purchase - Fire Services	€ 31.00
68000	Non-Capital Equip Purchase - Office Equip/Furn	€ -
69200	Repairs & Maint - Plant	€ 303.00
69260	Repairs & Maint - Other Equip	€ 63.00
69400	Transfers from Machinery Yard	€ -
70000	Materials	€ 1,518.00
70990	Issues from Stores	€ 140.00
73400	Staff Travelling & Subsistence Expenses	€ 1,067.00
76000	Communication Expenses	€ 154.00
77100	Courier	€ -
77200	Security - Property	€ 360.00
78000	Training	€ -
80000	Advertising	€ -
82100	Statutory Contributions to Other Bodies	€ -
85100	Rates & Other LA Charges	€ -
86000	Energy / Utilities	€ 490.00
	Total	**€ 67,612.00**

15.0 Management and Staffing Structure at the Facility as at December 2016.



16.0 Programme of Public Information

The following files are available for inspection on site by members of the public:

- AER of previous reporting years;
- All correspondence with the Agency;
- Surface Water Monitoring Results;
- Incident/Complaints Register;
- Tonnage of waste accepted on site;
- Characterisation of waste accepted on site;
- Operational Procedure Manual;
- Waste Acceptance Procedure;
- Information on Recycling Initiatives;
- Environmental Management System.

Appendix I - Waste Collected at Dingle Civic Amenity Site and Recovered / Recycled offsite during reporting period.

An Daingean Civic Amenity Site Residual Waste - Tonnage Period 01/01/16 to 31/12/2016

	Levied Waste					Non Levied Waste					TOTALS		
	Public Car Household	* Non weighed waste inclusive of tickets	Account Holders VAT Inclusive	KCC Levied Waste	Total Levied Waste	KCC Roadsweeping /Streetcleaning	Gravegard Waste	KCC Fly tipping/Clean Ups	Environment Clean Ups/ F'tipping Invs Raised to Environment	Total Non - levied	Total of Waste Over Weighbridge	Total Waste Out of Facility - Including Ticket Waste	No. Loads out of TS
April 2016	11.68	27.50	0.00	0.00	39.18	0.00	0.00	0.04	2.24	2.28	13.96	41.46	4
April 2015	9.96	35.60	0.00	0.06	45.62	0.00	0.00	0.04	1.62	1.66	11.68	47.28	5
May 2016	11.04	35.02	0.00	0.06	46.12	0.00	0.08	0.00	3.28	3.36	14.46	49.48	5
May 2015	10.94	12.58	0.00	0.00	23.52	0.00	0.00	0.00	3.80	3.80	14.74	27.32	3
June 2016	12.22	24.80	0.00	0.00	37.02	0.00	0.00	0.00	4.16	4.16	16.38	41.18	4
June 2015	9.94	27.90	0.00	0.00	37.84	0.00	0.00	0.04	2.24	2.28	12.22	40.12	4
July 2016	18.22	42.46	0.00	0.00	60.68	0.00	0.00	0.00	4.72	4.72	22.94	65.40	6
July 2015	13.00	38.70	0.00	0.04	51.74	0.00	0.00	0.00	4.94	4.94	17.98	56.68	5
August 2016	17.24	41.65	0.00	0.14	59.03	0.00	0.00	0.98	4.15	5.13	22.51	64.16	6
August 2015	12.12	29.98	0.00	0.12	42.22	0.00	0.00	0.10	2.66	2.76	15.00	44.98	4
September 2016	16.76	24.89	0.00	0.10	41.75	0.00	0.00	0.14	3.27	3.41	20.27	45.16	4
September 2015	11.42	29.86	0.00	0.00	41.28	0.00	0.00	0.00	2.72	2.72	14.14	44.00	4
October 2016	13.26	37.44	0.00	0.00	50.70	0.00	0.00	0.00	1.80	1.80	15.06	52.50	5
October 2015	10.84	30.16	0.00	0.38	41.38	0.00	0.00	0.00	2.62	2.62	13.84	44.00	4
November 2016	15.46	20.30	0.00	0.00	35.76	0.00	0.00	0.00	0.66	0.66	16.12	36.42	4
November 2015	9.66	23.70	0.00	0.10	33.46	0.00	0.00	0.00	1.44	1.44	11.20	34.90	3
December 2016	10.58	35.68	0.00	0.00	46.26	0.00	0.00	0.06	1.10	1.16	11.74	47.42	5
December 2015	10.02	31.40	0.00	0.00	41.42	0.00	0.00	0.06	0.90	0.96	10.98	42.38	4
Total Tonnage 2016	159.22	372.50	0.00	0.30	532.02	0.00	0.08	1.22	30.18	31.48	191.00	563.50	55
Total Tonnage 2015	127.86	327.90	0.00	0.70	456.46	0.00	0.00	0.86	27.22	28.08	156.64	484.54	46
Grand Total					532.02					31.48			

Household Waste Deposited at An Daingean Civic Amentity Sites in 2016

Material type	Suggested EWC codes	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Mixed residual waste (Trans Waste out of facility)	20 03 01	31.46	41.42	47.44	41.46	49.48	41.18	65.40	64.16	45.16	52.50	36.42	47.42	**563.50**
Organic waste (food and garden)														**0.00**
food (compost waste Milltown TS)	*20 01 08*													**0.00**
garden (Green Waste)	*20 02 01*	11.44					5.20							**16.64**
Mixed dry recyclables (Ecosence Bags)	15 01 06	6.26	4.24	7.62	5.98	4.80	5.70	7.62	10.48	5.80	5.88	5.18	7.94	**77.50**
Cardboard, newspaper and other paper														**0.00**
cardboard packaging	*15 01 01*	5.32	0.00	0.00	5.62	1.66	2.42	2.56	3.84	1.94	1.84	2.14	1.42	**28.76**
cardboard non-packaging	*20 01 01*													**0.00**
paper packaging	*15 01 01*													**0.00**
paper non-packaging	*20 01 01*													**0.00**
newspaper and magazines	*20 01 01*	3.54	3.56	2.90	3.46	3.36	2.60	2.66	3.32	3.10		3.82	2.20	**34.52**
Glass														**0.00**
glass packaging (bottles)	*15 01 07*	2.8190	2.3420	1.8990	2.2310	1.5640	1.5880	3.1270	4.8870	0.7260	2.3920	4.8380	0.9450	**29.3580**
glass non-packaging (flat glass)	*20 01 02*											7.7000		**7.7000**
Metals														**0.0000**
aluminium cans (packaging)	*15 01 04*	0.0240	0.0420	0.0310	0.0530	0.0330	0.0180	0.0340	0.1340	0.0150	0.0270	0.0830	0.0170	**0.5110**
steel cans (packaging)	*15 01 04*	0.1800	0.0740	0.1580	0.1240	0.1330	0.0710	0.1370	0.3010	0.0630	0.0680	0.3530	0.0400	**1.7020**
other metals (scrap metals)	*20 01 40*		5.02	4.28	0.00	4.30	4.68	4.32	3.72	4.92	4.84	0.00	4.26	**40.34**
Plastic														**0.00**
plastic packaging (bottles)	*15 01 02*	0.78	0.62	0.66	0.64	0.74	0.50	0.42	0.58	0.74		0.64	0.30	**6.62**
plastic non-packaging	*20 01 39*													**0.00**
polystyrene														**0.00**
Composite packaging (e.g. tetrapaks)	*15 01 05*													**0.00**
Textiles														**0.00**
textiles, packaging	15 01 09													**0.00**
textiles, non-packaging (clothes)	20 01 11	0.56	0.62	0.00	1.02	0.70	0.38	0.86	0.72	0.78	0.62	0.62	0.78	**7.66**
Wood														**0.00**
wood packaging	15 01 03													**0.00**
wood non-packaging	20 01 38													**0.00**
mixed, uncontaminated wood packaging and non-packaging (collected at An Daingean)	15 01 03; 20 01 38	6.50	0.00	11.82	0.00	4.26	5.06	4.86	4.74	3.34	7.66	5.30	5.34	**58.88**
wood, treated, hazardous	20 01 37*													**0.00**
Batteries	*Portable*													**0.00**
lead acid batteries and accumulators (Car	16 06 01*													**0.00**
Ni-Cd batteries and accumulators	16 06 02*	0.000	0.595	0.542	0.000	0.000	0.322	0.000	0.000	0.217	0.000	0.000	0.482	**2.158**
Other (e.g. alkaline) batteries and accumulators (Small Batteries)	16 06 04													**0.0000**
														0.00
														0.00
Household Hazardous Waste														
Waste mineral oils (Engine Oil)	13 02 08	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.20	0.00	**2.20**
Oil filters (vehicles)	13 08 99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Oil containers (mineral oil) - plastic + metal	15 01 10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Waste cooking or vegetable oils - collected by Danco	20 01 25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	**0.20**
Waste paint and varnish (including containers)	08 01 11	0.00	1.52	0.00	0.00	0.00	0.00	0.58	0.00	0.00	0.00	0.00	0.00	**2.100**
Aerosols	16 05 04	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.000	0.00	0.00	0.00	**0.04**
WEEE collected by compliance schemes														
CRT	20 01 36	1.709	2.070	1.134	0.000	1.500	0.965	1.517	1.486	1.853	0.731	1.583	1.539	**16.087**
SDA - Small Domestic Appliances	20 01 36	3.060	3.150	2.183	0.000	3.224	2.270	2.590	2.350	1.756	1.497	2.957	2.829	**27.866**
LDA - Large Domestic Appliances	20 01 36	1.272	1.480	1.450	0.000	1.488	1.061	0.888	0.966	1.260	0.909	1.870	1.845	**14.489**
Cold	20 01 36	0.720	0.690	1.620	0.000	0.419	1.045	0.316	0.806	0.589	0.512	0.780	0.566	**8.063**
Rubble/C&D Waste (An Daingean CAS)	17 01 07								12.34					**12.34**
Ink Cartridges	08 01 11													**0.00**
Florescent Tubes	20 01 11	0.00	0.00	0.00	0.475	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.475**
Overall Totals Excluding Mixed Residual Waste		**44.184**	**26.023**	**36.297**	**19.603**	**28.181**	**33.880**	**32.529**	**50.670**	**27.099**	**26.976**	**32.564**	**30.503**	**388.509**

Appendix II – Environmental Monitoring Results.

Kerry County Council - All Laboratory Results Report (Environment)

** **Please note that in accordance with Quality assurance procedures some of this data may be provisional and may be subject to further revision. This data is not validated until issued in report form signed by Senior Executive Chemist or another approved signatory***

Run By KERRY_DOMAIN\alan.kennelly on

Product	Product Version	Project	SAMPLING POINT	Sampling Point	SP EPA Code	X-Coordinate	Y-Cordinate	Consumer	Sample No.	COA Link	Sampled Date	Sampled Time	Sampled By	Sample Type	Test List	Comments	Sample Status	Certificate of Authorisation	Analysis / Parameter	003_ODOUR Odour	005A_TEMP_FIELD Temperature	006_PH pH	007A_CONDUCTIVITY20C Conductivity	013C_BOD B.O.D.	014_COD C.O.D.	022K_AMMONIA Ammonia	028K_CHLORIDE Chloride	036_DO_MG_L Dissolved Oxygen	037_SUSPENDED_SOLIDS Suspended Solids	082_VIS_INSPECTION Visual Inspection
																			Reported Name											
																			Min. Value			6.0				0.0				
																			Max Value			9.0				0.0				
																			Units	*NONE*	*DEG_C*	*PH*	*USCM*	*BOD*	*MGL*	*MGLN*	*MGL*	*MGL*	*MGL*	*NONE*
SURF_WATER	1	Dingle	DINGLE_S1	Dingle Surface Water S1 (downSt)					2016/0069	\\doc_server\coa\KCC_ENVIRON\2016\Mar\2016-0069_v1.pdf	14-Jan-16	13:50	TOS	LANDFILL	131_TRANSFER_ST_SURF		Authorised	\\doc_server\coa\KCC_ENVIRON\2016\Mar\2016-0069_v1.pdf		Not Detected	5.5	6.8	202	<1.3	15	0.05	30.6	10.4	<1	clear
				Dingle Surface Water S1 (downSt)					2016/1144	\\doc_server\coa\KCC_ENVIRON\2016\Apr\2016-1144_v1.pdf	12-Apr-16	12:55	IMCG	LANDFILL	131_TS_DINGLE_US_DS		Authorised	\\doc_server\coa\KCC_ENVIRON\2016\Apr\2016-1144_v1.pdf			11.4	7.2	355		12	0.05	46.4	8.4	2	
				Dingle Surface Water S1 (downSt)					2016/1145QA	\\doc_server\coa\KCC_ENVIRON\2016\Apr\2016-1145QA_v1.pdf	12-Apr-16	12:55	IMCG	LANDFILL	131_TS_DINGLE_US_DS		Authorised	\\doc_server\coa\KCC_ENVIRON\2016\Apr\2016-1145QA_v1.pdf			11.4	7.2	356		12	<0.05	45.7	8.4	2	
				Dingle Surface Water S1 (downSt)					2016/3129	\\doc_server\coa\KCC_ENVIRON\2016\Oct\2016-3129_v1.pdf	05-Oct-16	12:00	IMCG	LANDFILL	131_TS_DINGLE_US_DS		Authorised	\\doc_server\coa\KCC_ENVIRON\2016\Oct\2016-3129_v1.pdf			14.3	7.0	352			0.08		4.1	<1	
			DINGLE_S5	Dingle S5					2016/0070	\\doc_server\coa\KCC_ENVIRON\2016\Mar\2016-0070_v1.pdf	14-Jan-16	14:10	TOS	LANDFILL	131_TRANSFER_ST_SURF		Authorised	\\doc_server\coa\KCC_ENVIRON\2016\Mar\2016-0070_v1.pdf		Not Detected	4.9	7.3	168	1.4	11	<0.05	27.7	10.9	2	clear
				Dingle S5					2016/0071QA	\\doc_server\coa\KCC_ENVIRON\2016\Mar\2016-0071QA_v1.pdf	14-Jan-16	14:10	TOS	LANDFILL	131_TRANSFER_ST_SURF		Authorised	\\doc_server\coa\KCC_ENVIRON\2016\Mar\2016-0071QA_v1.pdf		Not Detected	4.9	7.1	168	<1.3	13	<0.05	28.2	10.9	<1	clear
				Dingle S5					2016/1143	\\doc_server\coa\KCC_ENVIRON\2016\Apr\2016-1143_v1.pdf	12-Apr-16	13:15	IMCG	LANDFILL	131_TS_DINGLE_US_DS		Authorised	\\doc_server\coa\KCC_ENVIRON\2016\Apr\2016-1143_v1.pdf			11.5	6.8	301		17	0.10	46.9	6.8	2	
				Dingle S5					2016/3128	\\doc_server\coa\KCC_ENVIRON\2016\Oct\2016-3128_v1.pdf	05-Oct-16	12:25	IMCG	LANDFILL	131_TS_DINGLE_US_DS		Authorised	\\doc_server\coa\KCC_ENVIRON\2016\Oct\2016-3128_v1.pdf			13.5	6.7	229			0.15		3.5	4	
			DINGLE_SW1	Dingle SW 1					2016/0068	\\doc_server\coa\KCC_ENVIRON\2016\Mar\2016-0068_v1.pdf	14-Jan-16	13:40	TOS	LANDFILL	131_TRANSFER_ST_SURF		Authorised	\\doc_server\coa\KCC_ENVIRON\2016\Mar\2016-0068_v1.pdf		Not Detected	5.7	6.7	208	1.4	17	<0.05	30.6	10.6	4	clear

Irish National Accreditation Board

Accreditation Certificate

Kerry County Council

Áras an Chontae, Rathass, Tralee, Co. Kerry

Testing Laboratory

Registration number: **340T**

is accredited by the Irish National Accreditation Board (INAB) to undertake testing as detailed in the Schedule bearing the Registration Number detailed above, in compliance with the International Standard **ISO/IEC 17025:2005 2nd Edition**

"General Requirements for the Competence of Testing and Calibration Laboratories"

(This Certificate must be read in conjunction with the Annexed Schedule of Accreditation)

Date of award of accreditation: **08:12:2015**

Date of last renewal of accreditation: **n/a**

Expiry date of this certificate of accreditation: **08:12:2020**

This Accreditation shall remain in force until further notice subject to continuing compliance with INAB accreditation criteria, ISO/IEC 17025 and any further requirements specified by the Irish National Accreditation Board.

Manager: _____ **Chairperson:** _____

Dr Adrienne Duff Mr Tom O'Neill

Issued on 08 December 2015

Organisations are subject to annual surveillance and are re-assessed every five years. The renewal date on this Certificate confirms the latest date of renewal of accreditation. To confirm the validity of this Certificate, please contact the Irish National Accreditation Board.

INAB is a signatory of the European co-operation for Accreditation (EA) Multilateral Agreement (MLA) and the International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Arrangement, for Testing.

The Metropolitan Building, James Joyce Street, Dublin 1, Ireland Tel 1890 289 389 E-mail inab@inab.ie Web inab@inab.ie

Schedule of Accreditation

(Annex to Accreditation Certificate)

Permanent Laboratory:

Category A

KERRY COUNTY COUNCIL LABORATORY

Chemical and BiologicaL Testing Laboratory

Initial Registration Date :	**08-December-2015**
Postal Address:	Áras an Chontae,
(Address of other locations	Rathass,
as they apply)	Tralee,
	Co. Kerry.
Telephone:	+353 (66) 7183592
Fax:	+353 (66) 7161819
E-mail:	dlenihan@kerrycoco.ie
Contact Name:	David Lenihan
Facilities:	Normally not available for Public testing

Schedule of Accreditation

Permanent Laboratory:
Category A

THE IRISH NATIONAL ACCREDITATION BOARD (INAB) is the Irish body for the accreditation of organisations including laboratories.

Laboratory accreditation is available to testing and calibration facilities operated by manufacturing organisations, government departments, educational institutions and commercial testing/calibration services. Indeed, any organisation involved in testing, measurement or calibration in any area of technology can seek accreditation for the work it is undertaking.

Each accredited laboratory has been assessed by skilled specialist assessors and found to meet criteria which are in compliance with ISO/IEC 17025 or ISO/IEC 15189 (medical laboratories). Frequent audits, together with periodic inter-laboratory test programmes, ensure that these standards of operation are maintained.

Testing and Calibration Categories:

Category A: Permanent laboratory calibration and testing where the laboratory is erected on a fixed location for a period expected to be greater than three years.

Category B: Site calibration and testing that is performed by staff sent out on site by a permanent laboratory that is accredited by the Irish National Accreditation Board.

Category C: Site calibration and testing that is performed in a site/mobile laboratory or by staff sent out by such a laboratory, the operation of which is the responsibility of a permanent laboratory accredited by the Irish National Accreditation Board.

Category D: Site calibration and testing that is performed on site by individuals and organisations that do not have a permanent calibration/testing laboratory. Testing may be performed using

(a) portable test equipment

(b) a site laboratory

(c) a mobile laboratory or

(d) equipment from a mobile or site laboratory

Standard Specification or Test Procedure Used:

The standard specification or test procedure that is accredited is the issue that is current on the date of the most recent visit, unless otherwise stated.

Glossary of Terms

Facilities:

Public calibration/testing service:	Commercial operations which actively seek work from others.
Conditionally available for public calibration/testing:	Established for another primary purpose but, more commonly than not, is available for outside work.
Normally not available for public calibration/testing:	Unavailable for public calibration/testing more often than not.

Laboratory users wishing to obtain assurance that calibration or test results are reliable and carried out to the Irish National Accreditation Board criteria should insist on receiving an accredited calibration certificate or test report. Users should contact the laboratory directly to ensure that this scope of accreditation is current. INAB will, on request, verify the status and scope.

Scope of Accreditation

Kerry County Council Laboratory

Permanent Laboratory:

Category A

Chemical Testing Laboratory

INAB Classification number (P9) Materials/products tested		Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
766	**Waters**		Documented in-house methods based on AQKM based on HMSO-1981
.01	Waters for potable and domestic purposes	Ammonia 0.05-1 mg/L as N	541-P-004
		Chloride 5-80 mg/L Cl	541-P-006
.99	Other waters - surface waters	Total Oxidised Nitrogen 0.5-10 mg/L as N	541-P-016
		Sulphate 5-100 mg/L SO4	541-P-024
		Nitrite 0.05 - 1 mg/L as N	541-P-018
		pH 4-10	Documented in-house method based on Standard Methods for the Examination of Water and Wastewater 22nd Edition 2012 4500-H 541-P-020
		Conductivity 15-2500 µS/cm	Documented in-house method based on Standard Methods for the Examination of Water and Wastewater 22nd Edition 2012 2510-B 541-P-011

Scope of Accreditation

Kerry County Council Laboratory

Chemical Testing Laboratory

Permanent Laboratory:

Category A

INAB Classification number (P9) Materials/products tested		Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
766	**Waters**		
.01	Waters for potable and domestic purposes	Turbidity by nephlometric method 0.25-10 NTU	Documented in-house method based on Standard Methods for the Examination of Water and Wastewater 22nd Edition 2012 2130-B 541-P-029
		Fluoride by Ion Selective Electrode 0.1-2. mg/L F	Documented in-house method based on Standard Methods for the Examination of Water and Wastewater 22nd Edition 2012 4500-F 541-P-012
.01	Waters for potable and domestic purposes	Colour 5-100 Hazen units	Hach Method 8025 541-P-010
.99	Other waters - surface waters		
		Major Ions by ICP-MS Calcium 1-100mg/L Ca	Documented in-house method based on USEPA Method 200.8 (1999) 541-P-038

Scope of Accreditation

Kerry County Council Laboratory

Permanent Laboratory:

Category A

Chemical Testing Laboratory

INAB Classification number (P9) Materials/products tested		Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
766	**Waters**	Metals by ICP-MS	Documented in-house method based on USEPA Method 200.8 (1999) 541-P-030
.01	Waters for potable and domestic purposes	Arsenic 1-500µg/L As Chromium 1-500µg/L Cr Iron 20-1000µg/L Fe	
.99	Other waters - surface waters	Manganese 1-500µg/L Mn Nickel 10-500µg/L Ni Cadmium 1-500µg/L Cd Lead 1-300µg/L Pb Selenium 1-500µg/L Se Copper 0.002-1.0mg/L Cu	

Scope of Accreditation

Kerry County Council Laboratory

Permanent Laboratory:

Category A

Biological Testing Laboratory

INAB Classification number (P9) Materials/products tested		Type of test/properties measured Range of measurement	Standard specifications Equipment/techniques used
870	**Waters, including effluents**		Documented in-house method based on
.11	Bacteriological condition of potable waters	Enumeration of Coliforms & E.coli by Idexx (Colilert 18) Quanti Tray	MPN by IDEXX Colilert 18 ISO standard 9308-2:2012 541-P-031

Appendix III – Dust Monitoring Results.

ANALYSIS REPORT

CUSTOMER:	**KERRY COUNTY COUNCIL** DINGLE CIVIC AMENITY SITE	**SAMPLE TYPE:**	**BERGERHOFF DEPOSIT GAUGE**
ADDRESS:	-	**CONDITION OF SAMPLE ON RECEIPT:**	Satisfactory
		DATE SAMPLED:	20 September – 18 October 2016
REPORT TO:	**PAUL O CONNOR**	**DATE RECEIVED:**	18 October 2016
SAMPLED BY:	Danny O Leary, Southern Scientific Services Ltd	**DATE ANALYSED:**	20 October – 02 November 2016
SAMPLING PT:	**DINGLE CIVIC AMENITY SITE**	**DATE REPORTED:**	07 November 2016
PROPOSAL REF:	-	**WORK NO:**	**36339 C | 16P-063 |**

TABLE OF RESULTS – DUST ANALYSIS (F)

Method:	**Lab Ref:**	**Your Ref:**	TOTAL PARTICULATES mg /m^2 / day	INORGANICPARTICULATES mg /m^2 / day	**Limit mg/m^2/day** *(Supplied by Customer)*
SCP 039	C16-Oct 985	ST 1 – Dingle	1196	536	**350**
SCP 039	C16-Oct 986	ST 2 – Dingle	1153	408	**350**
SCP 039	C16-Oct 987	ST 3 – Dingle	546	183	**350**
SCP 039	C16-Oct 988	ST 4 – Dingle	1180	323	**350**

Dr Conor Murphy
Deputy Chemistry Laboratory Manager

Index to symbols used:

*	Analysis is not INAB accredited.
(F)	Analysis carried out at our Farranfore Laboratory.

- **The results relate only to the items tested.**
- **Opinions and interpretations expressed herein are outside the scope of INAB accreditation.**
- **The analysis report shall not be reproduced except in full without written approval of the laboratory.**
- **Sampling time is outside the scope of this test. This time is used to calculate the results.**

COMMENT

ST 1 – C16-Oct 985

This monitoring point is located under trees. The collector gauge contained water, vegetation and a considerable amount of brown particulates and algae growth. The dried dish contained a considerable amount of brown particulates and algal residue. The ashed dish contained a considerable amount of grey particulates and residue. The ashed residue underwent effervescence on addition of acid indicating the presence of carbonate in the residue.

COMMENT

ST 2 – C16-Oct 986

This monitoring point is located under trees next to the main entrance. The collector gauge contained water and a considerable amount of vegetation and brown particulates and algae growth. The dried dish contained a considerable amount of brown particulates and algal residue. The ashed dish contained a considerable amount of brown /grey particulates and residue. The ashed residue underwent effervescence on addition of acid indicating the presence of carbonate in the residue.

COMMENT

ST 3 – C16-Oct 987

This monitoring point is located beside hedge. The collector gauge contained water, vegetation and a considerable amount of green particulates and algae growth. The dried dish contained a considerable amount of green / brown particulates and algal residue. The ashed dish contained a considerable amount of brown /grey particulates and residue. The ashed residue underwent no effervescence on addition of acid indicating the absence of carbonate in the residue.

COMMENT

ST 4 – C16-Oct 988

This monitoring point is located in main yard of transfer station. The collector gauge contained water vegetation (Leaves) and a considerable amount of brown particulates and algae growth. The dried dish contained a considerable amount of brown particulates and algal residue. The ashed dish contained a considerable amount of brown/grey particulates and residue. The ashed residue underwent effervescence on addition of acid indicating the presence of carbonate in the residue.

Appendix IV – Noise Monitoring Report.

southern scientific services ltd

ENVIRONMENTAL NOISE SURVEY 2016

DINGLE WASTE TRANSFER STATION

FLEMINGSTOWN

LISPOLE

AN DAINGEAN

COUNTY KERRY

W0225-01

Requested By:	P. O' Connor Kerry County Council
Prepared By:	Sinead Fagan Southern Scientific Services Ltd
Date Reported:	23rd December 2016
Our Reference:	15P 150

Issue Date	Revision	Checked By	Comment
23/12/16	00	P. Byrne (B.Sc; Ph.D) Cert. Env. Noise (IOA)	Final report

4park business centre │farranfore │county kerry │ireland │telephone +353 66 9763588 fax +353 66 9763589
email: info@southernscientificireland.com

Registered in Ireland No. 323196 VAT Reg. No. IE 6343196 M

Table of Contents

1. Introduction

Southern Scientific Services Ltd was commissioned by Kerry County Council to conduct a daytime environmental noise survey at Dingle Waste Transfer Station, Flemingstown, Lispole, An Daingean, Co. Kerry. The waste transfer station is located approximately 4km east of Dingle town in a rural setting off the N86. The site is bounded by a mixture of agricultural land with a public road at the east boundary. The N86 is immediately south of the site.

Noise monitoring is required under Condition 6.10 of the EPA Waste Licence (W0225-01) for the site and prescribes annual noise monitoring at four predetermined noise sensitive locations (N1-N4). Schedule B.4 of the licence stipulates a daytime noise limit of 55dB(A) at these noise sensitive locations, measured over a 30 minute period. This noise survey was undertaken to fulfill and assess compliance with these licence conditions. As the facility is closed at night-time and there are no sources of noise from within the site when closed a night-time noise survey was not undertaken.

2. Site Location and Activities

The Waste Transfer Station is located at Flemingstown, Lispole, An Daingean, Co. Kerry. The facility operates between 13:00 – 16:30 on Tuesday, 08:30 – 16:30 on Wednesday to Friday, and 08:30 – 15:30 on Saturday. Sources of noise within the site include machinery, vehicle movements, loading and unloading activities, and recycling activities. The facility is closed at night-time and there are no sources of noise from within the site during this period.

3. Survey Details and Methodology

3.1 Survey Details

The noise surveys were undertaken on the 24th of March, 17th of June, and 16th of August 2016 to assess the noise levels at predetermined locations (N1 – N4) provided by Kerry County Council. The monitoring locations are described in Table 1 and illustrated in Figure 1. A thirty minute survey was conducted at each location.

Table 1: Noise Monitoring Stations

I.D.	Location
N1	Nearest dwelling to west of transfer station
N2	Nearest dwelling to north of transfer station
N3	Nearest dwelling to east of transfer station
N4	Nearest dwelling to south of transfer station

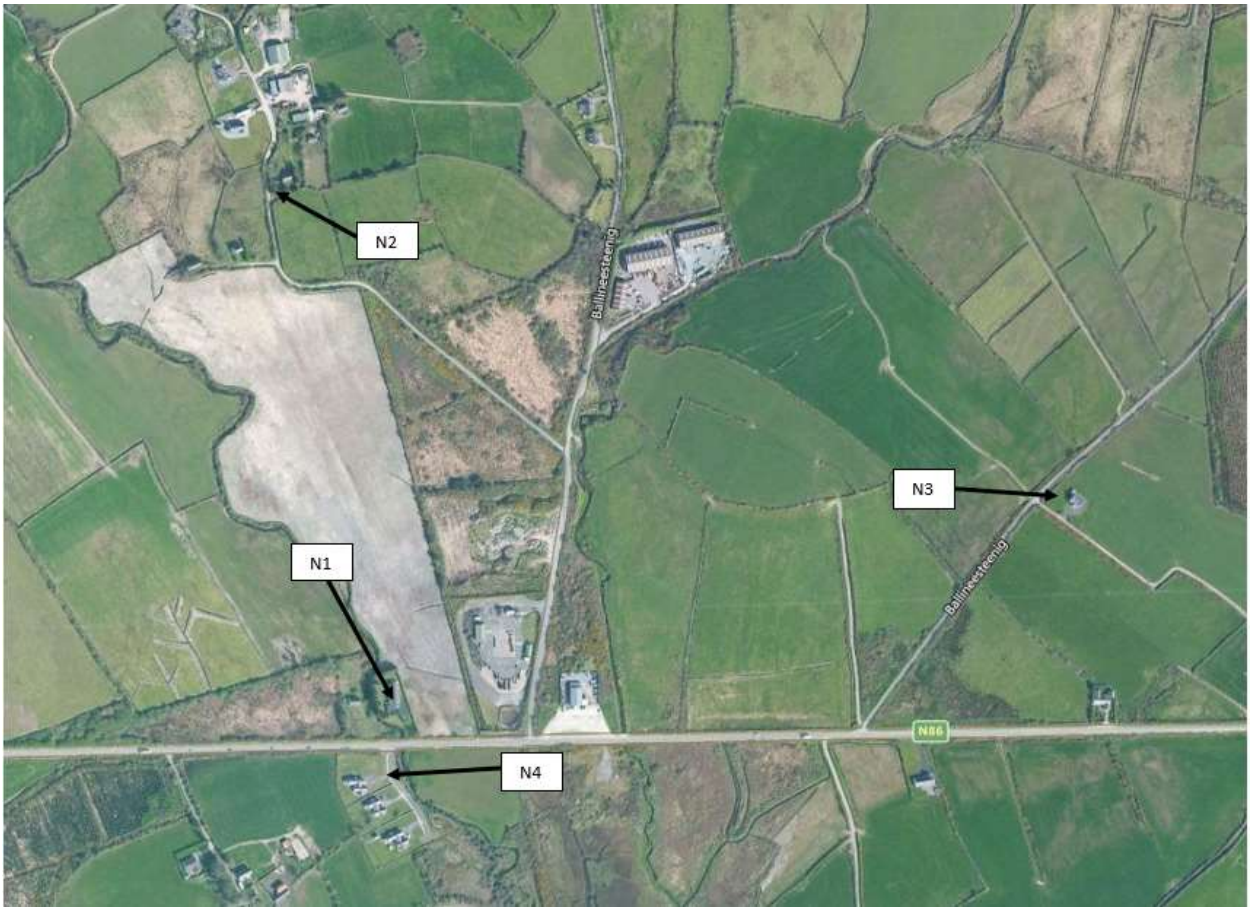


Figure 1: Map showing monitoring positions N1 – N4

3.2 Equipment

Instrument:	Brüel & Kjaer (Type 2250-L with Type 4950 microphone).
Instrument Serial No:	2654679
Instrument Last Calibrated:	16/11/2015

This instrument conforms to the following standards:

IEC 61672-1, Class 1
IEC 61260 1/3 Oct. Band Class 0
IEC 60651, Type 1
IEC 60804, Type 1

Sound Calibrator:	Type 4231
Sound Calibrator Serial No.:	3001116
Sound Calibrator Calibration Date:	09/11/2015
Utility Software:	BZ – 5298 Version 4.5

3.3 Monitoring Methodology

Noise monitoring was carried out in accordance with:

- International Standard ISO 1996 – Acoustics – Description, measurement and assessment of environmental noise
- Guidance Note for Noise (NG 4) – EPA, 2016

Briefly, these standards recommend calibration of instruments before and after the survey (this was undertaken on-site using the Bruel & Kjaer Type 4231 acoustic calibrator detailed above); measurement at least 3.5m from any reflecting structure (other than the ground) and 1.2m - 1.5m above ground level. The microphone was fitted with a windshield (Brüel & Kjaer Type UA-0237). Tonal analysis was undertaken following Annex D of ISO 1996 (Part 2), 2007. In this method, a prominent discrete tone is identified as present when the sound pressure level in the one-third-octave band of interest exceeds the sound pressure levels of both adjacent one-third-octave bands as follows:

1. 15 dB in the low frequency one-third-octave bands (25Hz – 125Hz)
2. 8dB in the middle frequency bands (160Hz – 400Hz)
3. 5dB in the high frequency bands (500Hz – 10, 000Hz)

3.4 Measurement Parameters/Terminology

A-weighted: The adjustment applied to sound level recordings to approximate the non-linear frequency response of the human ear. The A-weighting is denoted by the suffix A in the parameters listed below such as L_{Aeq}, L_{A10}.

Decibel (dB): The scale in which sound pressure level is expressed, which is based on a logarithmic scale.

Impulsive Noise: A noise that is of short duration (typically less than one second), the sound pressure level of which is significantly higher than the background.

Tonal Noise: Noise caused by the dominance of one or more frequencies which may result in increased noise nuisance.

Interval: The time period, t, over which noise monitoring is carried out.

$L_{Aeq\ t}$: The equivalent continuous sound level during a measurement interval, effectively representing the average A-weighted noise level.

L_{AF10}: The A-weighted sound level with Fast time weighting (F) which is exceeded for 10% of the measurement interval, usually used to quantify traffic noise.

L_{AF90}: The A-weighted sound level with Fast time weighting (F) which is exceeded for 90% of the measurement interval, usually used to quantify background noise.

1/3 Octave Band Analysis: Frequency Analysis of sound such that the frequency spectrum is subdivided into bands of one-third of an octave each. An octave is taken to be a frequency interval, the upper limit of which is twice the lower limit.

4. Results

Results are presented in Sections 4.1 – 4.6 below.

4.1 Environmental Conditions on March 23rd 2016

Cloud Cover	Precipitation	Wind Direction	Av. wind speed @2m	Av. temperature	Atmospheric Pressure
80%	Dry	W - WNW	0.5 – 4.0m/s	11°C	1016hPa

4.2 Environmental Conditions on May 24th 2016

Cloud Cover	Precipitation	Wind Direction	Av. wind speed @2m	Av. temperature	Atmospheric Pressure
45%	Dry	ESE	0.0 – 3.7m/s	16°C	1031hPa

4.3 Environmental Conditions on August 17th 2016

Cloud Cover	Precipitation	Wind Direction	Av. wind speed @2m	Av. temperature	Atmospheric Pressure
100%	Dry	NNW	0.5 – 3.0m/s	19°C	989hPa

4.4 Noise Survey Results on March 23rd 2016

I.D.	Time	$L_{Aeq\ (30\ mins)}$ dB	$L_{AF10\ (30\ mins)}$ dB	$L_{AF90\ (30\ mins)}$ dB
N1	11:49 – 12:19	65.4	68.6	44.6
Noise Sources: Main road traffic was the most dominant noise source at this monitoring location (138No. Cars; 27No. 4x4s; 26No. Vans; 1No. Tractor; 10No. Trucks; 1No. Motorbike and 2No. Buses). During lulls in traffic activity at the transfer station could be heard - the compressor, recycling noise, glass breaking and site traffic. Background noise included birdsong (lots of birds due to birdfeeders), flowing water in the adjacent river and rustling vegetation. Dogs barking on occasion. Residents of a house left in a car at 12:08, doors banging, chatting, car radio and engine idling.				
N2	13:18 – 13:48	47.1	48.3	40.1
Noise Sources: Rural noises were dominant at this monitoring location, birdsong, rustling vegetation and especially cows. Main road traffic could be heard faintly in the distance. Construction work at a neighboring property occasionally noted. A survey of local road traffic included 2No. Cars; 1No. 4x4 and 1No. Van. Noise from the waste transfer station not audible during the survey.				
N3	13:51 – 14:21	51.4	49.0	39.9
Noise Sources: Background noise included birdsong, rustling vegetation and running water in a nearby ditch. The dominant noise source at this monitoring location was the main road traffic. Traffic on the local road passing the monitoring point included 4No. Cars; 2No. Vans and 1No. 4x4. Noise from the transfer station not audible during the survey.				
N4	11:18 – 11:48	62.5	67.2	42.6
Noise Sources: Dominant noise source was traffic on the main road (107No. cars; 4No. Trucks; 19No. Vans; 1No. Camper; 1No. Tractor & 24No. 4x4s). Background noises included birdsong, occasional dog barking and activity from houses next-door. An airplane passed overhead at 11:22. During lulls in traffic activity from the transfer station could be faintly heard. A car passed the monitor at 11:40 and 11:44.				

4.5 Noise Survey Results on May 24th 2016

I.D.	Time	$L_{Aeq\ (30\ mins)}$ dB	$L_{AF10\ (30\ mins)}$ dB	$L_{AF90\ (30\ mins)}$ dB
N1	13:37 – 14:07	59.7	63.8	45.2
Noise Sources: Main road traffic was the most dominant noise source at this monitoring location (152No. Cars; 29No. 4x4s; 64No. Vans; 1No. Tractor; 3No. Trucks; 2No. Motorbikes; 3No. Campervans and 7No. Buses). During lulls in traffic, occasional recycling activity could be heard. Background noise included birdsong, bees and the occasional dog barking. Internal site traffic, radios and doors banging were also audible.				
N2	13:00 – 13:30	44.7	46.7	39.0
Noise Sources: Rural noises included birdsong, rustling vegetation, bees and cows. Main road traffic was faint but constant in the distance. Local road traffic was also audible and 1 pedestrian passed the monitoring point. Noise from the waste transfer station was not audible during the survey.				
N3	14:45 – 15:15	57.3	45.8	34.9
Noise Sources: Background noise included birdsong, rustling vegetation, cows, bees and seagulls. A tractor spraying in a nearby field was also audible. Noise from the main road traffic was constant at this monitoring point. Traffic on the local road passing the monitor included 5No. Cars; 1No. Van; 2No. Trucks; 1No. Bus and 1No. 4x4. Noise from the transfer station not audible during the survey.				
N4	14:09 – 14:39	63.8	68.6	43.6
Noise Sources: Dominant noise source was traffic on the main Dingle road (137No. cars; 8No. Trucks; 28No. Vans; 1No. Tractor; 7No. Buses; 2No. Motorbikes and 36No. 4x4s). During lulls in traffic birdsong could be heard. A car passed the monitor at 14:32. Occasional dog barking could be heard in a neighboring residence.				

4.6 Noise Survey Results on August 17th 2016

I.D.	Time	$L_{Aeq\ (30\ mins)}$ dB	$L_{AF10\ (30\ mins)}$ dB	$L_{AF90\ (30\ mins)}$ dB
N1	13:51 – 14:21	59.8	63.8	46.8
Noise Sources: Main road traffic was the most dominant noise source at this monitoring location (156No. Cars; 36No. 4x4s; 24No. Vans; 3No. Tractor; 3No. Trucks; 9No. Campervans and 3No. Buses). No activity could be heard from the facility at this location. Background noise included birdsong, seagulls and breeze in vegetation.				
N2	14:26 – 14:56	47.8	51.4	39.7
Noise Sources: Rural noises included birdsong, rustling vegetation, bees and seagulls dominant noise source at this location. Local road traffic was also audible; 2No. Cars passed the monitoring point. Noise from the waste transfer station was not audible at this location during the survey.				
N3	15:06 – 15:36	52.7	47.0	39.0
Noise Sources: Noise from the main road traffic was constant at this monitoring point. Traffic on the local road passing the monitor included 6No. Cars; 1No. Tractor and 2No. 4x4s. Hammering was also audible occasionally from west of monitoring point. Background noise included birdsong, rustling vegetation, cows, bees and seagulls. Flowing water in stream was also noted. Noise from the transfer station not audible during the survey.				
N4	13:20 – 13:50	67.8	72.4	49.9
Noise Sources: Dominant noise source was traffic on the main Dingle road (168No. cars; 6No. Trucks; 36No. Vans; 3No. Tractor; 6No. Buses; 6No. Campervans and 36No. 4x4s). During lulls in traffic birdsong and seagulls could be heard. A car passed the monitor at 13:40. Noise from the transfer station not audible during the survey.				

5. Discussion & Conclusion

The L_{AF10} & L_{AF90} noise parameters along with the audible noise sources recorded during the survey assist in providing an understanding of the sources and nature of the noise in the area. The L_{A10} is the A-weighted sound level, which is exceeded for 10% of the measurement interval and is usually used to quantify traffic noise or other short duration/passing events. In contrast, the L_{A90} is the A-weighted sound level that is exceeded for 90% of the measurement interval and is usually used to quantify background noise. The L_{Aeq} is the equivalent continuous sound level during a measurement interval, effectively representing the average A-weighted noise level. The site Waste Licence specifies a day-time limit of 55dB (A) $L_{Aeq\ (30\ min)}$ at the nearest noise sensitive locations. A night-time survey was not undertaken as the transfer station does not operate during night-time hours and there is no source of noise within the site during this period.

The noise survey results demonstrate that the 55dB (A) $L_{Aeq\ (30\ min)}$ limit was met at location N2 on all occasions and at N3 on two of the three monitoring occasions. Activities at the waste transfer station were not audible at these locations and measured noise levels were associated with other extraneous noise sources such as local road traffic. The measured noise levels at locations N1 and N4 exceeded the 55dB (A) limit on all occasions. These exceedences were predominantly attributable to traffic noise generated on the road network in the area, particularly the adjacent N86 national route. Analysis of the 1/3 Octave Frequency Spectra show that there was no prominent tonal noise present when assessed following the criteria in Annex D of ISO 1996 (Part 2), 2007. It is concluded that activities at the waste transfer station are not adversely impacting on the noise environment at the nearest noise sensitive locations. The waste transfer station does not generate noise at night-time when the facility is closed.

Appendix 1

1/3 Octave Frequency Spectra

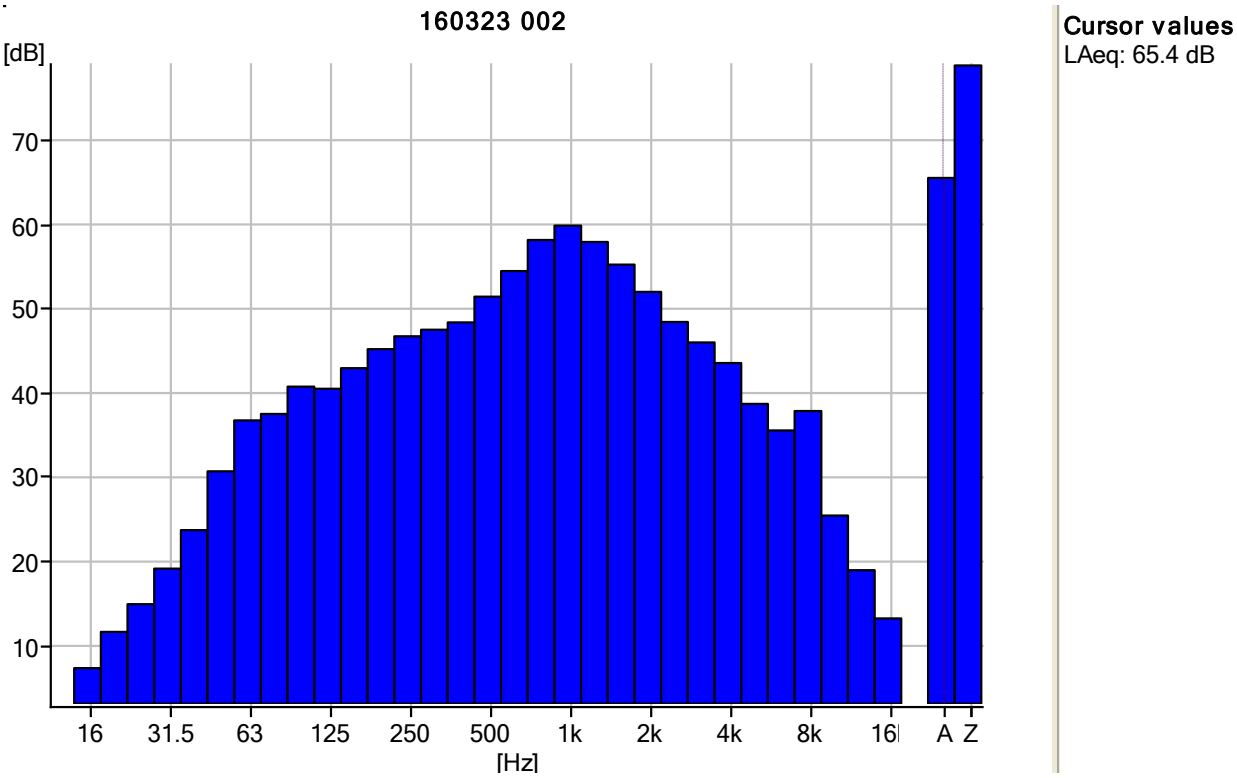


Figure A.1: 1/3 Octave Frequency Graph for N 1 on March 23rd

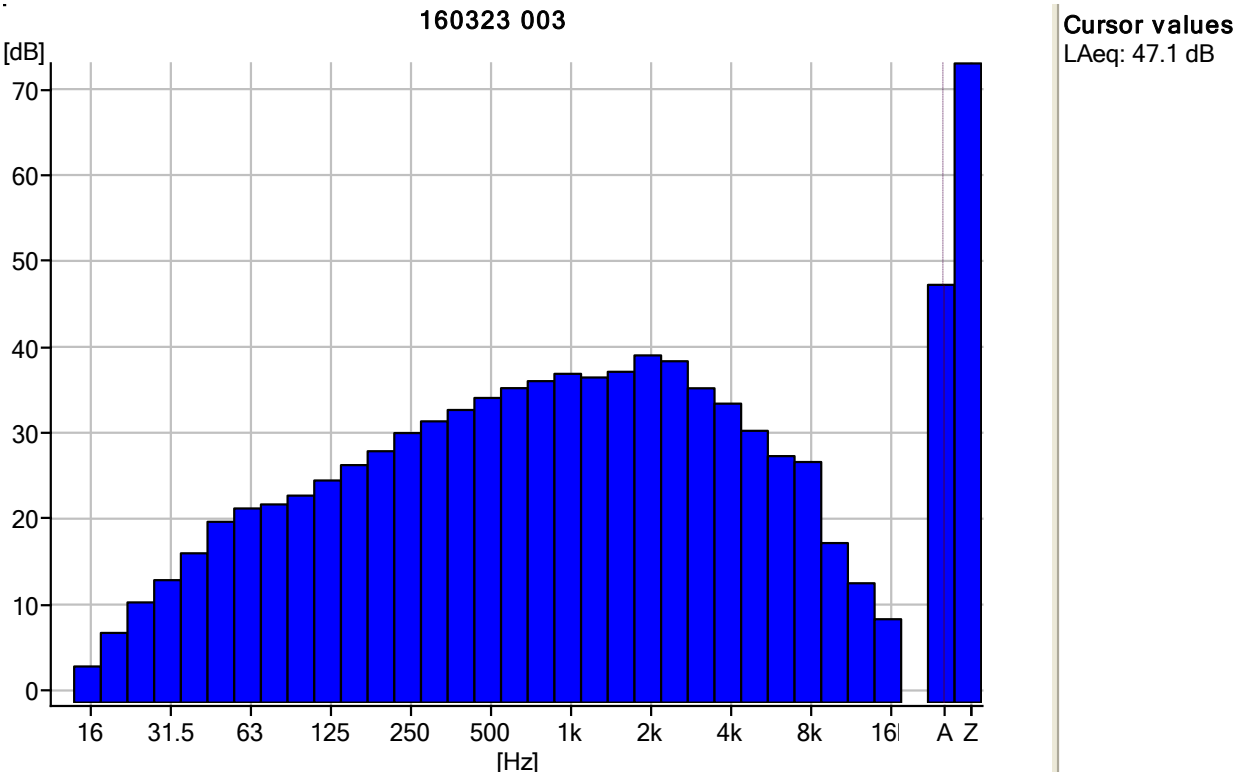


Figure A.2: 1/3 Octave Frequency Graph for N 2 on March 23rd

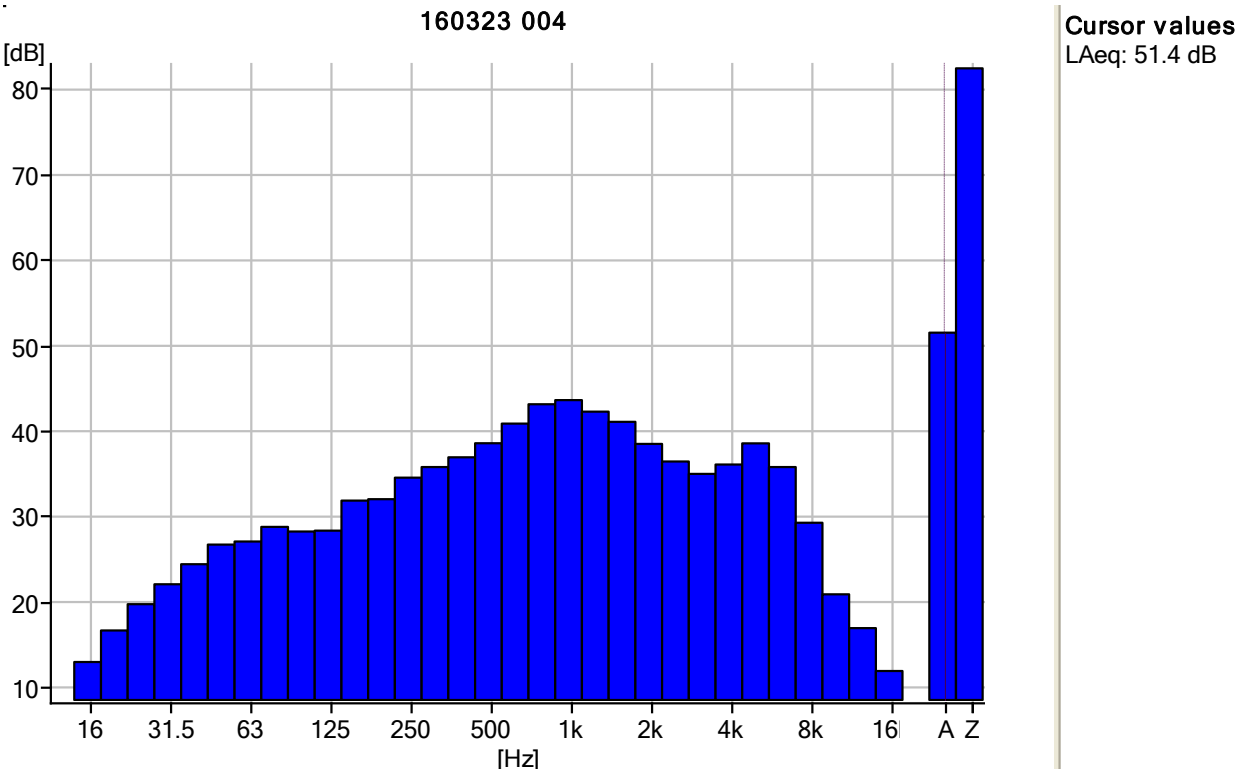


Figure A.3: 1/3 Octave Frequency Graph for N 3 on March 23rd

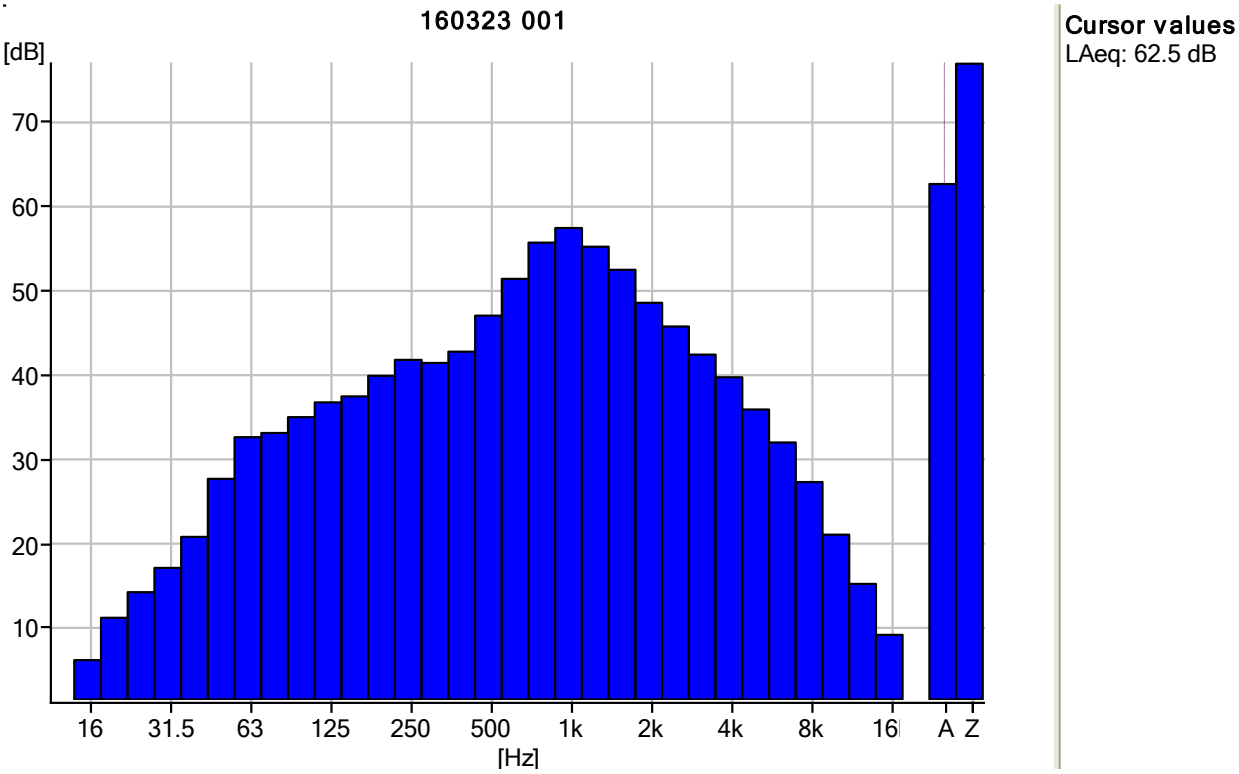


Figure A.4: 1/3 Octave Frequency Graph for N 4 on March 23rd

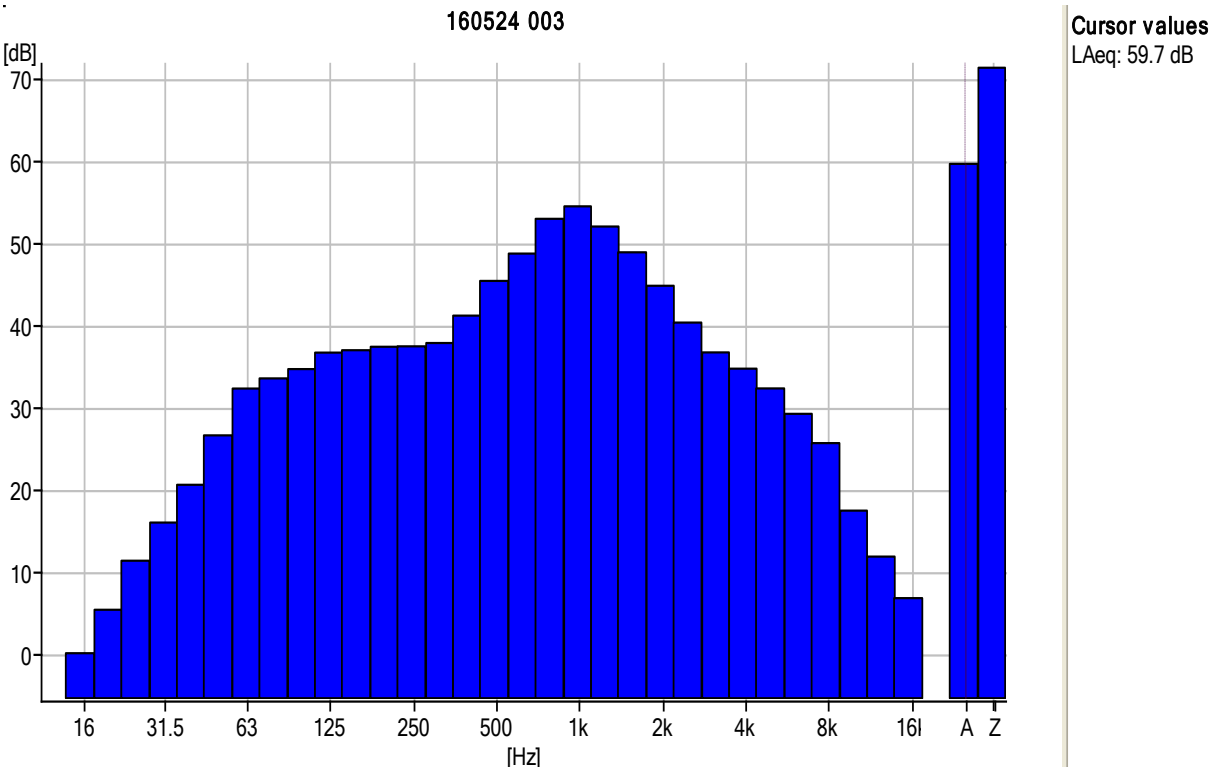


Figure A.1: 1/3 Octave Frequency Graph for N 1 on May 24th

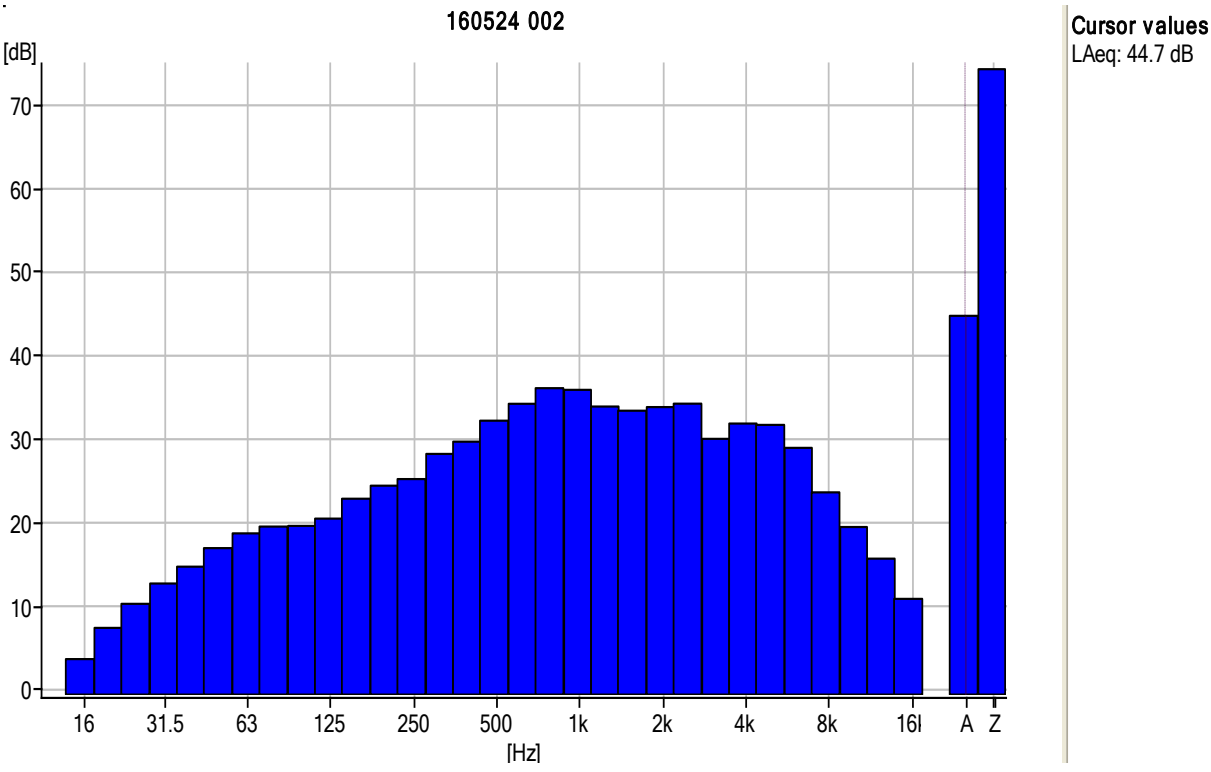


Figure A.2: 1/3 Octave Frequency Graph for N 2 on May 24th

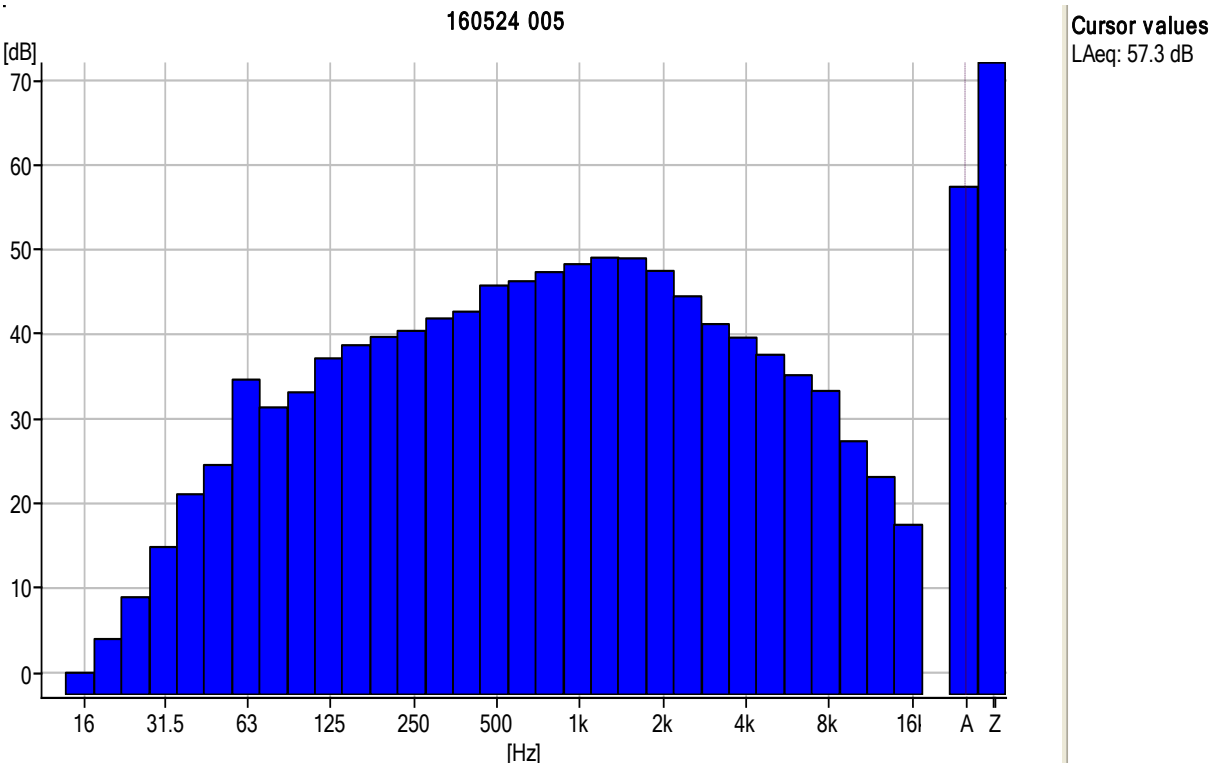


Figure A.3: 1/3 Octave Frequency Graph for N 3 on May 24th

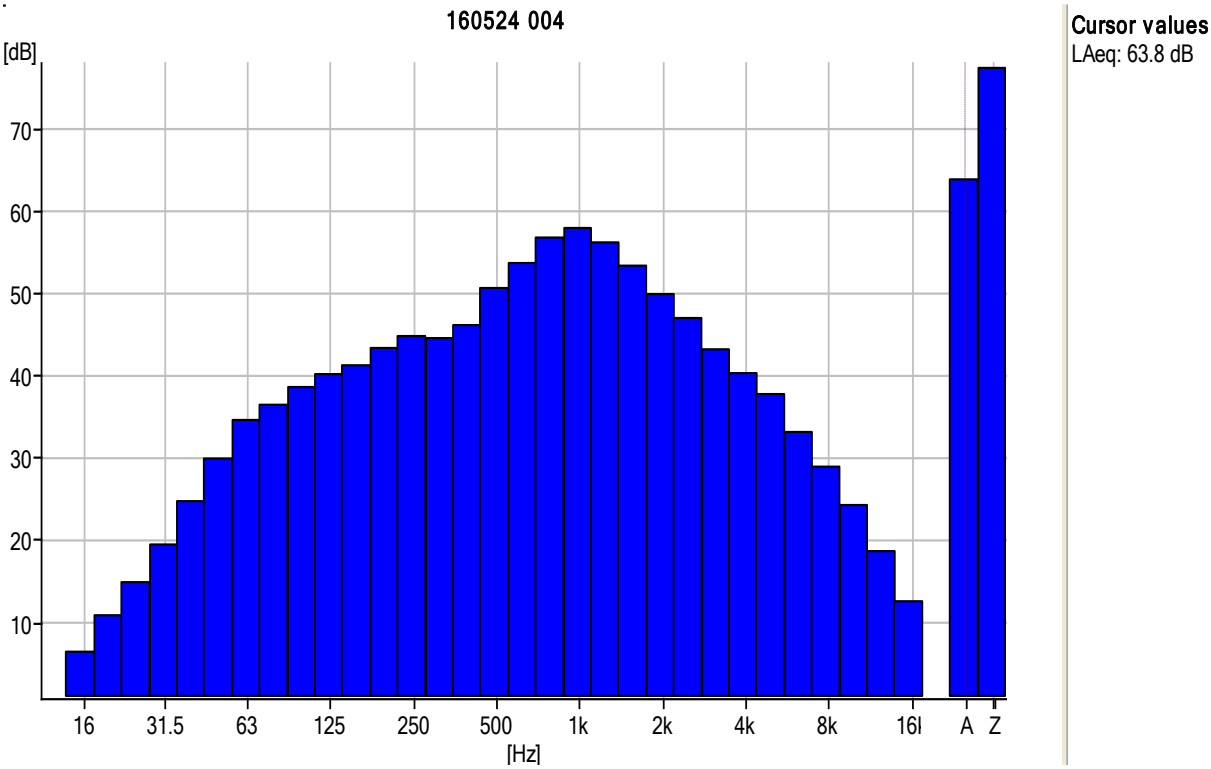


Figure A.4: 1/3 Octave Frequency Graph for N 4 on May 24th

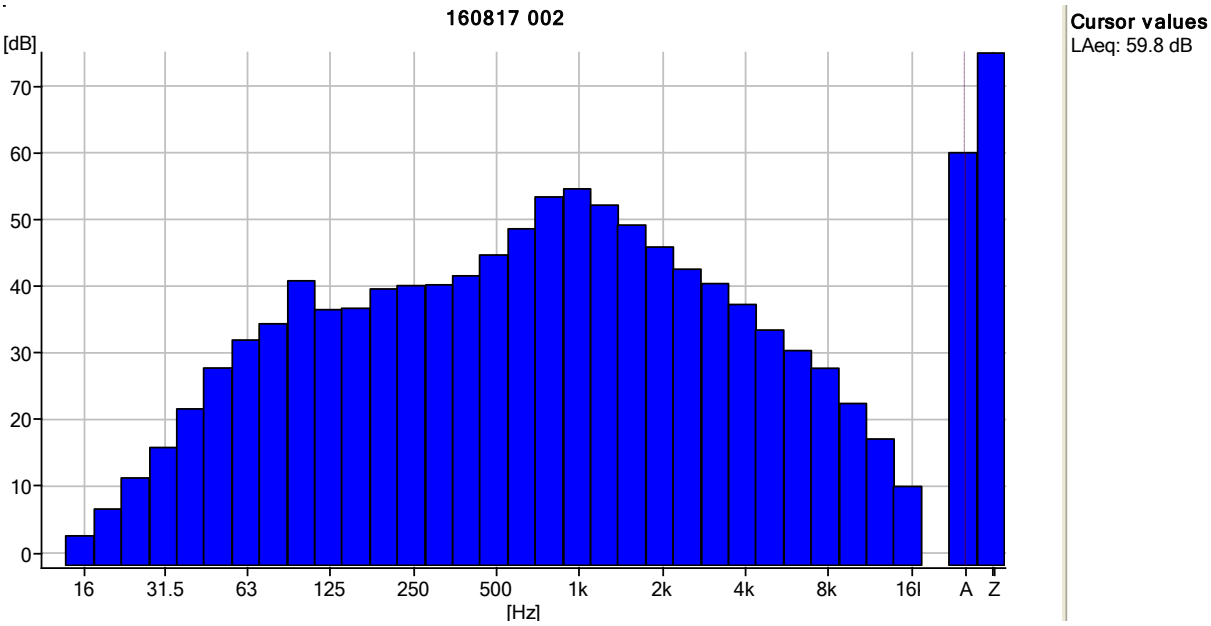


Figure A.1: 1/3 Octave Frequency Graph for N 1 on August 17th

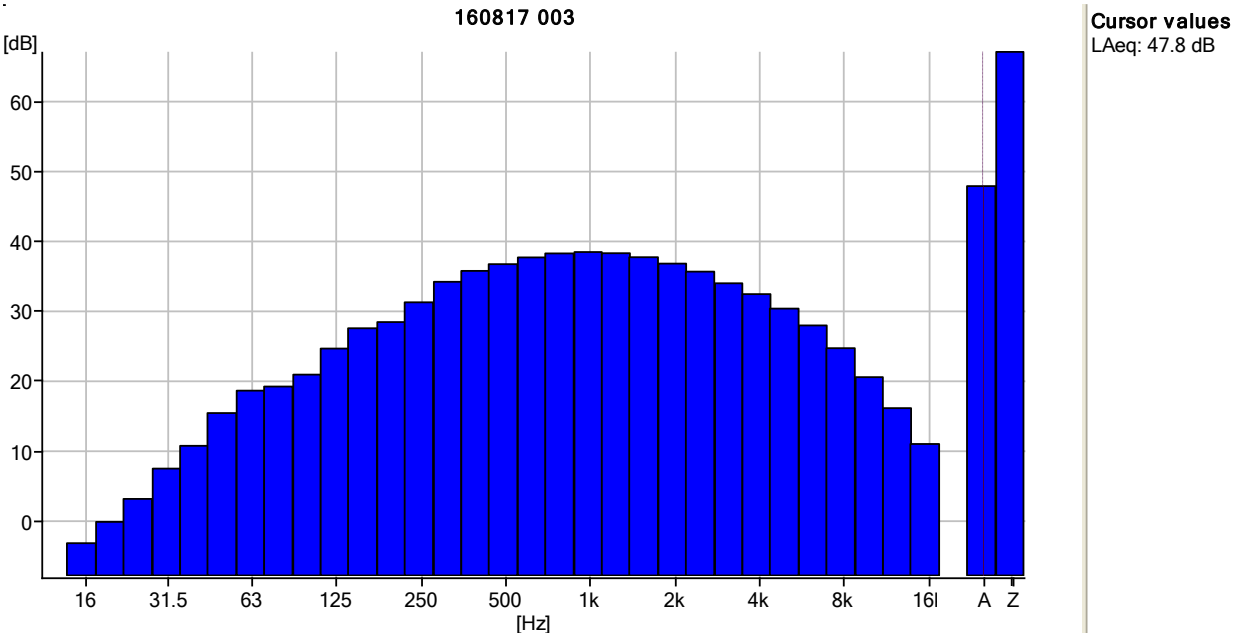


Figure A.2: 1/3 Octave Frequency Graph for N 2 on August 17th

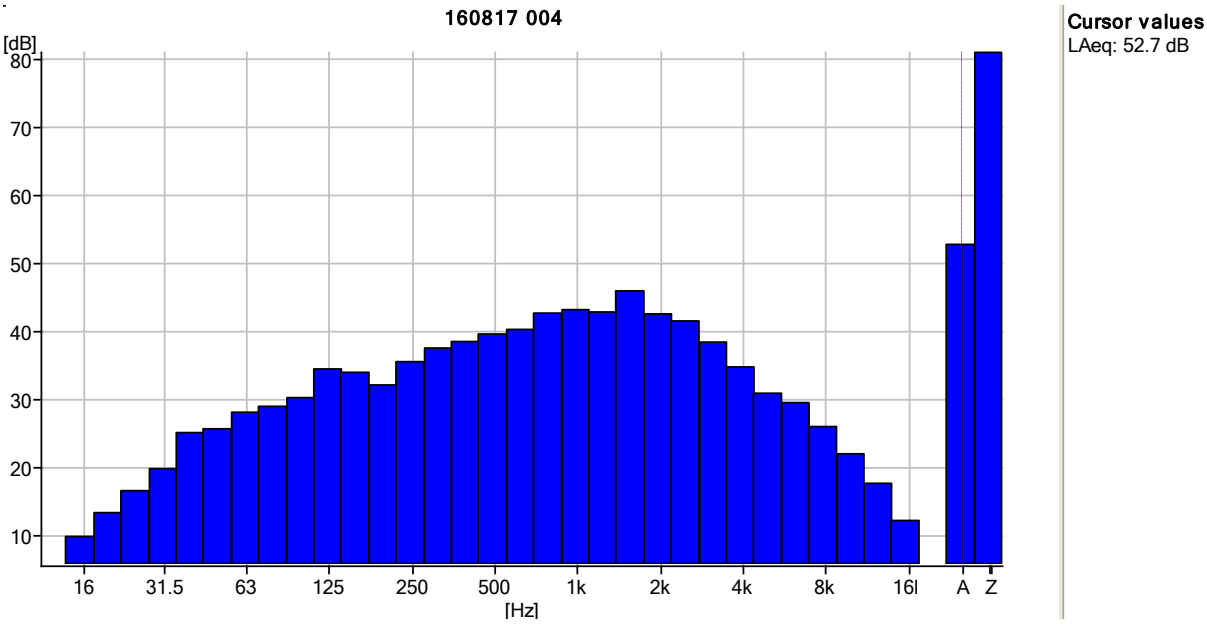


Figure A.3: 1/3 Octave Frequency Graph for N 3 on August 17th

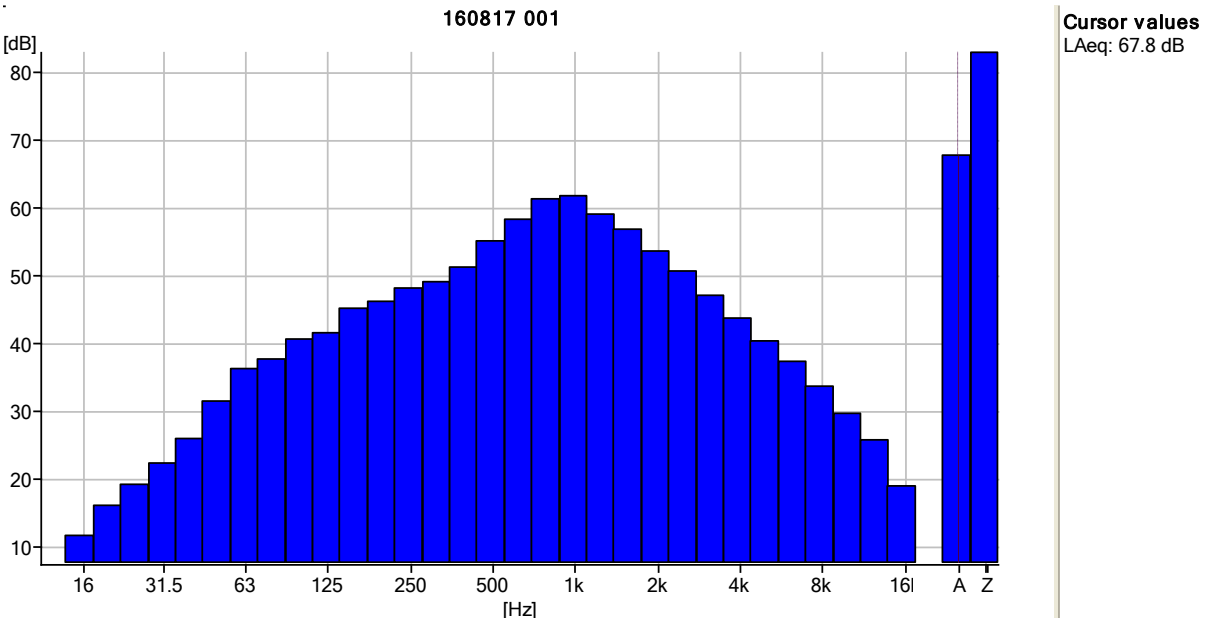


Figure A.4: 1/3 Octave Frequency Graph for N 4 on August 17th

Appendix 2

Calibration Certificates

Brüel & Kjær

The Calibration Laboratory
Skodsborgvej 307, DK-2850 Nærum, Denmark

ilac-MRA DANAK CAL Reg.No. 307 Member of EA MLA

CERTIFICATE OF CALIBRATION

No: CDK1508295 Page 1 of 10

CALIBRATION OF

Sound Level Meter:	Brüel & Kjær Type 2250 Light	No: 2654679	Id: -
Microphone:	Brüel & Kjær Type 4950	No: 2652929	
Preamplifier:	Brüel & Kjær Type ZC-0032	No: 23415	
Supplied Calibrator:	Brüel & Kjær Type 4231	No: 3006120	
Software version:	BZ7130 Version 2.4	Pattern Approval:	PTB1.63-4061063
Instruction manual:	BE1853-11		

CUSTOMER

Southern Scientific Services Ltd
Dunrine
, Killarney
Kerry, Ireland

CALIBRATION CONDITIONS

Preconditioning: 4 hours at 23°C ± 3°C

Environment conditions: *See actual values in **Environmental conditions** sections.*

SPECIFICATIONS

The Sound Level Meter Brüel & Kjær Type 2250 Light has been calibrated in accordance with the requirements as specified in IEC61672-1:2002 class 1. Procedures from IEC 61672-3:2006 were used to perform the periodic tests. The accreditation assures the traceability to the international units system SI.

PROCEDURE

The measurements have been performed with the assistance of Brüel & Kjær Sound Level Meter Calibration System 3630 with application software type 7763 (version 5.1 - DB: 5.10) by using procedure B&K proc 2250-L-4950 (IEC61672).

RESULTS

Calibration Mode: **Calibration after repair/adjustment.**

The reported expanded uncertainty is based on the standard uncertainty multiplied by a coverage factor $k = 2$ providing a level of confidence of approximately 95 %. The uncertainty evaluation has been carried out in accordance with EA-4/02 from elements originating from the standards, calibration method, effect of environmental conditions and any short time contribution from the device under calibration.

Date of calibration: 2015-11-16

Date of issue: 2015-11-16

Lene Petersen
Calibration Technician

Jonas Johannessen
Approved Signatory

Brüel & Kjær

The Calibration Laboratory
Skodsborgvej 307, DK-2850 Nærum, Denmark

ilac-MRA DANAK
CAL Reg.No. 307
Member of EA MLA

CERTIFICATE OF CALIBRATION

No: CDK1508125 Page 1 of 4

CALIBRATION OF

Calibrator:	Brüel & Kjær Type 4231	No: 3006120 Id: -
½ Inch adaptor:	Brüel & Kjær Type UC-0210	
Pattern Approval:	PTB-1.61-4057176	

CUSTOMER

Southern Scientific Services Ltd
Dunrine
, Killarney
Kerry, Ireland

CALIBRATION CONDITIONS

Preconditioning:	4 hours at 23°C ± 3°C
Environment conditions:	Pressure: 100.57 kPa. Humidity: 44 % RH. Temperature: 22.8 °C.

SPECIFICATIONS

The Calibrator Brüel & Kjær Type 4231 has been calibrated in accordance with the requirements as specified in IEC60942:2003 Annex B Class 1. The accreditation assures the traceability to the international units system SI.

PROCEDURE

The measurements have been performed with the assistance of Brüel & Kjær acoustic calibrator calibration application software Type 7794 (version 2.5) by using procedure P_4231_D07.

RESULTS

Calibration Mode: **Calibration after repair/adjustment.**

The reported expanded uncertainty is based on the standard uncertainty multiplied by a coverage factor $k = 2$ providing a level of confidence of approximately 95 %. The uncertainty evaluation has been carried out in accordance with EA-4/02 from elements originating from the standards, calibration method, effect of environmental conditions and any short time contribution from the device under calibration.

Date of calibration: 2015-11-09

Susanne Nygaard
Calibration Technician

Date of issue: 2015-11-09

Susanne Jørgensen
Approved Signatory

Appendix V – PRTR Return for 2016.

1. FACILITY IDENTIFICATION

Parent Company Name	Kerry County Council
Facility Name	Dingle Civic Amenity Centre
PRTR Identification Number	W0225
Licence Number	W0225-01

Classes of Activity

No.	class_name
-	Refer to PRTR class activities below

Address 1	Flemingstown
Address 2	Lispole
Address 3	An Daingean
Address 4	
	Kerry
Country	Ireland
Coordinates of Location	-10.218152.1409
River Basin District	IESW
NACE Code	3821
Main Economic Activity	Treatment and disposal of non-hazardous waste
AER Returns Contact Name	Alan Kennelly
AER Returns Contact Email Address	alan.kennelly@kerrycoco.ie
AER Returns Contact Position	EE
ER Returns Contact Telephone Number	0667162014
Returns Contact Mobile Phone Number	0879088205
AER Returns Contact Fax Number	0667162001
Production Volume	0.0
Production Volume Units	
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	1
User Feedback/Comments	Waste cooking oil (EWC 20 01 25) - 0.2 Tonnes collected Waste paint & varnish (EWC 20 01 27) - 2.1 tonnes collected Waste aerosols (EWC 14 06 01) - 0.04 tonnes collected Flat Glass (EWC 20 01 02) - 7.70 tonnes collected
Web Address	

2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
50.1	General
50.1	General

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

Is it applicable?	
Have you been granted an exemption ?	
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 ONT Guidance on waste imported/accepted onto site

Do you import/accept waste onto your site for on-site treatment (either recovery or disposal activities) ?	

This question is only applicable if you are an IPPC or Quarry site

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HELP

CREATE AER XML RETURN & UPLOAD

4.1 RELEASES TO AIR

Link to previous years emissions data

W0225_2016.xls | Return Year : 2016 | 23/03/2017 15:54

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

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

SECTION B : REMAINING PRTR POLLUTANTS

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

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

RELEASES TO AIR		Please enter all quantities in this section in KGs						
POLLUTANT		ADD EMISSION POINT				QUANTITY		
Pollutant No.	Name	Emission Point 1	Emission Point 2	Emission Point 3	Emission Point 4	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
210	Dust	1233.0	1189.0	563.0	1217.0	4202.0	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 button

Additional Data Requested from Landfill operators

For the purposes of the National Inventory on Greenhouse Gases, landfill operators are requested to provide summary data on landfill gas (Methane) flared or utilised on their facilities to accompany the figures for total methane generated. Operators should only report their Net methane (CH4) emission to the environment under T(total) KG/yr for Section A: Sector specific PRTR pollutants above. Please complete the table below:

Landfill: Dingle Civic Amenity Centre

Please enter summary data on the quantities of methane flared and / or utilised

	T (Total) kg/Year	Facility Total Capacity m3 per hour	
Total estimated methane generation (as per site model)	0.0	N/A	
Methane flared	0.0	0.0	(Total Flaring Capacity)
Methane utilised in engine/s	0.0	0.0	(Total Utilising Capacity)
Net methane emission (as reported in Section A above)	0.0	N/A	

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HELP

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF

Please enter all quantities on this sheet in Tonnes

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	HazWaste : Name and Licence/Permit No of Final Destination Facility; Non HazWaste: Name and Licence/Permit No of Recovery/Disposer	HazWaste : Address of Final Destination Facility Non HazWaste: Address of Recovery/Disposer	Name and Licence / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUSWASTE ONLY)	Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUSWASTE ONLY)
						M/C/E	Method Used					
Within the Country	15 01 01	No	28.76	paper and cardboard packaging	R3	M	Weighed	Offsite in Ireland	Dillon waste Ltd,WFP/KY/10/0001/01	The Kerries,,Tralee,County Kerry,Ireland		
Within the Country	15 01 02	No	6.62	plastic packaging	R3	M	Weighed	Offsite in Ireland	Dillon waste Ltd,WFP/KY/10/0001/01	The Kerries,,Tralee,County Kerry,Ireland		
Within the Country	15 01 04	No	2.213	metallic packaging	R4	M	Weighed	Offsite in Ireland	Dillon waste Ltd,WFP/KY/10/0001/01	The Kerries,,Tralee,County Kerry,Ireland		
Within the Country	15 01 06	No	77.5	mixed packaging	R3	M	Weighed	Offsite in Ireland	Killarney Waste Disposal,W0217-01	Aughacureen,,Killarney ,County Kerry,Ireland		
Within the Country	15 01 07	No	29.358	glass packaging	R5	M	Weighed	Offsite in Ireland	Dillon waste Ltd,WFP/KY/10/0001/01	The Kerries,,Tralee,County Kerry,Ireland		
Within the Country	15 01 10	Yes	2.1	packaging containing residues of or contaminated by dangerous substances	R3	M	Weighed	Offsite in Ireland	Enva,W0184-01	Clonminam Industrial Estate ,,Portlaoise,County Laois,Ireland	ENVA,W0184-01,ENVA Ireland,Clonminam Industrial Estate,Portlaoise,Co Laois,Ireland	ENVA Ireland,Clonminam Industrial Estate,Portlaoise,Co Laois,Ireland
To Other Countries	16 02 11	Yes	8.063	discarded equipment containing chlorofluorocarbons, HCFC, HFC	R4	M	Weighed	Abroad	Electrical Waste Management,WFP-DS-11-0014-04	Block 648,Jordanstown Drive,Greenogue Ind Est,Dublin,Ireland	European Metal Recycling,WML 101767,Alexander Dock 1,Bootle,Liverpool,L201BU X,United Kingdom	Alexander Dock 1,Bootle,Liverpool,L201BU X,United Kingdom
To Other Countries	16 02 14	No	14.483	discarded equipment other than those mentioned in 16 02 09 to 16 02 13	R4	M	Weighed	Abroad	Electrical Waste Management,WFP-DS-11-0014-04	Block 648,Jordanstown Drive,Greenogue Ind Est,Dublin,Ireland		
To Other Countries	16 05 04	Yes	0.04	gases in pressure containers (including halons) containing dangerous substances	R2	M	Weighed	Abroad	Enva,W0184-01	Clonminam Industrial Estate ,,Portlaoise,County Laois,Ireland	KS Recycling,12 150 80 80,Raiffeisenstr 38,Sonsbeck,,,Germany	Raiffeisenstr 38,Sonsbeck,,,Germany
Within the Country	17 01 07	No	12.34	mixture of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06	R5	M	Weighed	Offsite in Ireland	Higgins Waste,WFP/KY/50/04/2009	The Kerries,,Tralee,County Kerry,Ireland		
Within the Country	20 01 01	No	34.52	paper and cardboard	R3	M	Weighed	Offsite in Ireland	Dillon waste Ltd,WFP/KY/10/0001/01	The Kerries,,Tralee,County Kerry,Ireland		
Within the Country	20 01 02	No	7.7	glass	R5	M	Weighed	Offsite in Ireland	Higgins Waste,WFP/KY/50/04/2009	The Kerries,,Tralee,County Kerry,Ireland		
Within the Country	20 01 11	No	7.66	textiles	R3	M	Weighed	Offsite in Ireland	Textile Recycling Ltd,WPR-014/2	Belgard Road,,Tallaght,Dublin 4,Ireland		
To Other Countries	20 01 21	Yes	0.475	fluorescent tubes and other mercury-containing waste	R5	M	Weighed	Abroad	KMK Metals,W0113-01	Cappincur Industrial Estate,Tullamore,County Offaly,,Ireland	Alba Service Gmbh & Co KG,E57T57020,Kanalstrasse,64,Rheine,48432,Germany	Kanalstrasse,64,Rheine,48432,Germany
To Other Countries	20 01 27	Yes	0.0	paint, inks, adhesives and resins containing dangerous substances	R2	M	Weighed	Abroad	Enva,W0184-01	Clonminam Industrial Estate ,,Portlaoise,County Laois,Ireland	Nehlsen GmbH & Co. kg,A-4187 HH,Louis-Krages-Strasse,,,Bremen,D-28237,Germany	Louis-Krages-Strasse,,,Bremen,D-28237,Germany
Within the Country	20 01 34	No	2.158	batteries and accumulators other than those mentioned in 20 01 33	R4	M	Weighed	Offsite in Ireland	Enva,W0184-01	Clonminam Industrial Estate ,,Portlaoise,County Laois,Ireland		
Within the Country	20 01 35	Yes	27.866	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and and 20 01 23 containing hazardous components	R4	M	Weighed	Offsite in Ireland	Electrical Waste Management,WFP-DS-11-0014-04	Block 648,Jordanstown Drive,Greenogue Ind Est,Dublin,Ireland	The Recycling Village,WFP/LH/10/W010/01,,,Monasterboise,County Louth,Ireland	,,,Monasterboise,County Louth,Ireland
To Other Countries	20 01 35	Yes	16.087	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and and 20 01 23 containing hazardous components	R4	M	Weighed	Abroad	Electrical Waste Management,WFP-DS-11-0014-04	Block 648,Jordanstown Drive,Greenogue Ind Est,Dublin,Ireland	European Metal Recycling,WML 101767,Alexander Dock 1,Bootle,Liverpool,L201BU X,United Kingdom	Alexander Dock 1,Bootle,Liverpool,L201BU X,United Kingdom
Within the Country	20 01 38	No	58.88	wood other than that mentioned in 20 01 37	R3	M	Weighed	Offsite in Ireland	Higgins Waste,WFP/KY/50/04/2009	The Kerries,,Tralee,County Kerry,Ireland		
Within the Country	20 01 40	No	40.34	metals	R4	M	Weighed	Offsite in Ireland	United Metals,WFP-LK-2013-147A-R1	Eastway Business Pk,Ballysimon Rod,Limerick,,Ireland		
Within the Country	20 02 01	No	16.64	biodegradable waste	R3	M	Weighed	Offsite in Ireland	Higgins Waste,WFP/KY/50/04/2009	The Kerries,,Tralee,County Kerry,Ireland		
Within the Country	20 03 01	No	563.5	mixed municipal waste	R12	M	Weighed	Offsite in Ireland	Killarney Waste Disposal,W0217-01	Aughacureen,,Killarney ,County Kerry,Ireland		