

Kerry County Council



Waste Licence Ref No. W0087-01

**Caherciveen Transfer Station
Annual Environmental Report**

Reporting Period:

January – December 2015

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

March 2016

1.0	Introduction	5
2.0	Reporting Period.....	5
3.0	Waste Activities Carried out at the Facility.....	5
4.0	Quantity and Composition of Waste Received, Disposed and Recovered: 1 st Jan – 31 st Dec 2015	7
5.0	Projections of the quantities to be accepted and percentages disposed and recycled/recovered for the coming year	8
6.0	Summary Report on Emissions for the Reporting Period	8
7.0	Summary of Results and Interpretations of Environmental Monitoring	10
8.0	Resource and Energy Consumption Summary	12
9.0	Resource and Energy Consumption Summary	13
10.0	Timescale for Proposed Development Works For Forthcoming Year	14
11.0	Environmental Management System	13
12.0	Report Targets and Environmental Objectives and Targets for 2016.	14
13.0	Summary of Procedures Developed by the Licensee	15
14.0	Reported Incidents and Complaints	15
15.0	Report on Financial Provision.....	16
16.0	Management and Staffing Structure at Facility 2015	18
17.0	Programme of Public Information.....	19
	Appendix I - Waste Categorisation and Statistics	20
	Appendix II - Results of Foul and Surface Water Monitoring	22
	Appendix III - Results of Dust Monitoring	24
	Appendix IV – Results of Noise Monitoring.....	25
	Appendix V - AER/PRTR Return 2015	40

1.0 Introduction

Kerry County Council operates a waste transfer and recycling facility in the townland of Inchamacteige, approximately 3 km from the town of Caherciveen, Co. Kerry. The site is accessed via a small access road branching off the county road L-7006.

The principal activity of the Transfer Station is the compaction of solid waste into 30 cubic metre closed containers for subsequent transfer and disposal at North Kerry Landfill in Muingnaminnane, Tralee. From the 12th July 2014, all waste from Caherciveen WTS was transferred to KWD Recycling for treatment/disposal as North Kerry Landfill ceased taking waste.

Other activities include the recycling or reclamation of inorganic materials including metals, glass, steel and aluminium cans, fluorescent tubes, household hazardous waste, cardboard, plastic bottles and newspapers.

This Annual Environment Report is prepared in accordance with Condition 2.8 and Schedule B of Waste Licence W0087-01 issued by the Environmental Protection Agency (EPA).

2.0 Reporting Period

The reporting period for this Annual Environmental Report is 1st January – 31st December 2015.

3.0 Waste Activities Carried out at the Facility

Waste disposal activities are carried out at Caherciveen Transfer Station in accordance with Part 1 of Waste Licence W0087-01 which outlines the waste disposal activities licensed in accordance with the Third Schedule of the Waste Management Act 1996. 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 Caherciveen Transfer Station are in accordance with Part 1 of Waste Licence W0087-01 which outlines the waste recovery activities licensed in accordance with the Fourth Schedule of the Waste Management Act 1996. Licensed activities include:

Class 1 Solvent reclamation or regeneration.

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 & Composition of Waste Received, Disposed & Recovered during 2015

Waste tonnage disposed of at Caherciveen Transfer Station during the reporting year (2015) decreased very slightly (3.76 tonne) on the previous year (2014).

The weight of the waste accepted into Caherciveen Transfer Station Facility for disposal for the reporting period was 543.56 tonnes. This comprises of the following breakdown:

<i>Waste for Disposal</i>	<i>Tonnes 2012</i>	<i>Tonnes 2013</i>	<i>Tonnes 2014</i>	<i>Tonnes 2015</i>
Household Waste	472.86	423.86	449.54	450.84
Commercial Waste	37.64	32.42	39.44	45.44
Road Sweeping/Street Cleaning	28.88	25.06	31.44	24.46
Graveyard Waste	1.98	1.98	0.98	1.48
Flytipping	16.40	20.86	25.92	21.34
Total	557.76	504.18	547.32	543.56

Table 1: Waste Stream Breakdown for reporting Period 2015.

Overall the quantities of waste sent for recycling in 2015 is slightly higher(10.76 tonnes) than 2014.Waste sent for recycling during the reporting period compared with previous years is outlined in Table 2 below.

<i>Waste for Recycling & Recovery</i>	<i>Tonnes 2012</i>	<i>Tonnes 2013</i>	<i>Tonnes 2014</i>	<i>Tonnes 2015</i>
Metals	20	26.44	27.98	33.40
Glass	23.48	28.634	33.672	38.398
Aluminium and Steel Cans	3.64	4.692	5.111	5.778
Batteries	0.03	0.44	1.22	1.071
Newspapers	52.88	51.04	50.87	54.42
Cardboard	10.26	13.92	23.36	25.74
Fluorescent Tubes	0.28	0.3	0.409	0.227
Plastic Bottles	11.58	15.72	21.58	20.92
Waste Engine Oil	0.98	1.28	1.15	1.708
WEEE	61.65	68.23	56.506	49.502
Dry Recyclables	12.68	11.84	15.02	16.44
Textiles	1	1.1	1.32	1.06
Total for Recycling/Recovery	198.46	223.86	237.90	248.66

Table 2: Waste collected on site and recovered/recycled off site during 2015.

Appendix I contains a breakdown of waste by classification collected/ repackaged on site during the reporting period.

5.0 Projections of the quantities to be accepted and percentages disposed and recycled/recovered for the coming year

It is expected that waste disposal and recycling rates at Cahersiveen Recycling & Transfer Station will increase slightly for the next reporting period (2016). This is evident from the trends as set out in Table 1 and Table 2.

An introduction of 'Pay by Weight' charging for household kerbside waste collections is to be in place by 1st July 2016 however the introduction of 'Pay by Weight' to the various *recycling /civic amenity sites* has yet to be put on statute.

It is anticipated that the proposed Household Waste regulations will have an impact on the operation and site layout of the Cahersiveen Waste Transfer Station and is forecasted to give rise to an increase in the number of customers using this facility.

As part of our forward planning for this event, a digitised site survey is to be carried out by Kerry Council Road Design staff during 2016 to help with the traffic management layout of the site.

The Agency shall be informed of any changes to the site layout etc.

6.0 Summary Report on Emissions for the Reporting Period

a) Foul Water Emissions

The foul water discharge is monitored quarterly. The results are sent to the EPA and are also available at the Caherciveen facility. A Puraflow Wastewater Treatment Unit is installed at the facility to treat all foul waters from the site.

b) Surface Water Emissions

Surface water runoff from site roads and uncontaminated surfaces discharges via silt traps to the surface water drains.

c) Waste from Silt Traps and Interceptors

The wastewater treatment system and drains were cleaned out on the 10th December 2015. The silt/sludge and wastewater were removed from the silt trap and foul water treatment unit and disposed of at Tralee Wastewater Treatment Plant.

7.0 Summary of Results and Interpretations of Environmental Monitoring

a) Dust monitoring

No dust monitoring took place during 2015 however monitoring was carried out at the facility in August/September 2014. The dust monitoring results were within the emission limit value specified in the licence.

There were no issues with dust during 2014 and no complaints were received in relation to dust at the facility during either 2014 or 2015. The results over the years have shown no significant nuisance from dust at the facility.

It is Kerry County Council's intension to seek a technical amendment in relation to the dust monitoring requirement of Waste Licence W0087 as past monitoring indicates that the site it not causing excessive dust to the surrounding environs.

b) Noise monitoring.

A noise survey to EPA NG4 was undertaken by Malachy Walsh & Partners (Environmental Consultants) on the 11th February 2015. Noise Levels recorded at Noise Sensitive Locations are determined to be below the emission limit value. The site is therefore compliant as regard noise levels.

There were no issues with noise during 2014 or 2015 and no complaints were received in relation to noise at the facility. The results over the years have shown that the facility caused no significant noise nuisance to neighbours.

The waste transfer station does not generate noise at night-time when the facility is closed.

It is Kerry County Council's intension to seek a technical amendment in relation to the noise monitoring requirement of Waste Licence W0087 as past monitoring indicates that the site it not causing excessive noise to the surrounding environs.

The Annual Environmental Noise survey (2015) is attached in Appendix V.

Table 1. Noise Monitoring Results

Location Reference	Date and Time	L _{Aeq} dB	L _{A10} dB	L _{A90} dB	Tones	Description of Noise Sources
B1 (at main gate)	13:00-13:30	42	43	21	No	The main contributing noise source at this location included cars and traffic entering and exiting the facility. Birdsong also contributed to the noise build up. No tones were audible at this location
	13:30-14:00	40	40	20		
	14:00-14:30	40	44	22		
B2 (at weighbridge)	10:30-11:00	38	40	20	No	Customers and idling cars were the main contributing noise source at this location. No audible tones noted.
	11:00-11:30	40	42	21		
	11:30-12:00	38	40	20		
B3 (boundary location)	10:30-11:00	39	33	24	No	Occasional customer. Birdsong. No audible tones noted.
	11:00-11:30	36	35	25		
	11:30-12:00	34	35	24		
B4 (access road to facility)	13:00-13:30	51	38	23	No	No notable noise emissions from the facility. Cars passing the monitoring location were the main contributing noise sources to the ambient noise level. No audible tones noted.
	13:30-14:00	52	36	22		
	14:00-14:30	57	42	23		

Table 3 Daytime Noise Monitoring Results Caherciveen Waste Transfer Station.

c) Monitoring of surface water.

The surface water monitoring results are attached in Appendix II.

d) Foul Water

The foul water discharge is monitored quarterly. The results are sent to the EPA and are also available at the Caherciveen facility. A Puraflow Wastewater Treatment Unit is installed at the facility to treat all foul waters from the site.

8.0 Resource and Energy Consumption Summary

The following is the energy consumption for Caherciveen Transfer Station for the reporting period.

8.1 Diesel

The diesel usage for Caherciveen Transfer Station for the reporting period 2015 was 1,409 litres which is in line with 2014 where 1,400 litres were used. The primary usage of diesel is for the waste compactor.

8.2 Electricity

Year	Cahersiveen average kWh/Day electricity consumption
2015	13.77
2014	16.39
2013	15.05
2012	13.66
2011	17

Power is required for the office computer and lighting, weighbridge, waste compactor, storage heating, water pumping, cardboard baler, CCTV and public lighting on the site.

8.3 Water

Water supply is from a groundwater borehole on site. Water is mainly used on site for power washing yards, transfer station apron and hopper.

9.0 Resource and Energy Consumption Summary

No development works were undertaken at the facility during the reporting period.

10.0 Proposed Development Works for the Forthcoming Year

On the 31st August 2015 the Government introduced a new legislative framework to give effect to previously flagged commitments around the management of household waste by amending the Waste Management Act 1996 through the Environment (Miscellaneous Provisions) Act 2015. An introduction of 'Pay by Weight' charging for household kerbside waste collections is to be in place by 1st July 2016 however the introduction of 'Pay by Weight' to the various recycling /civic amenity sites has yet to be put on statute.

It is anticipated that the proposed Household Waste regulations will have an impact on the operation and proposed layout of the facility. As part of our forward planning for this event, a digitised site survey is to be carried out by Kerry Council Road Design staff during 2016. This survey will assist in the implementation of a revised traffic management plan for the recycling centre in conjunction with the 'Pay by Weight' household regulations.

11.0 Environmental Management System

There is an Environmental Management System (EMS) for the Cahersiveen Civic Amenity Site however it is likely that the proposed Household Waste Regulations once implemented for 'Transfer stations' will have an effect on the current system. The impact of the proposed regulations will be assessed and the EMS updated accordingly. The EPA will be notified of any changes to the Environmental Management System.

12.0 Report Targets and Environmental Objectives and Targets for 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 onsite/offsite 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. It is our objective to construct/purchase secure sheds on site for the storage of WEEE and bailed cardboard.	No wind blown litter on site or on the public road adjacent to our site. No overflowing bins on site. Proper segregation of cardboard and WEEE on site which will also give additional security for WEEE material.
Incident Prevention	Continue with daily inspection and record keeping of emergency ‘STOP’ controls on site and 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 reasonably practicable.
Infrastructure integrity and drainage.	An Integrity test was completed on the diesel bund in January 2016 and it is Kerry County Council’s intension to carry out the integrity test themselves every 3 years as per Schedule C of Waste Licence W87-01	Compliance with Bund and tank integrity assessment.
Waste acceptance, Classification and records	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 expected that the proposed Household Waste Regulations will have an impact on the operation and site layout of the Cahersiveen Recycling/Waste Transfer Station. Once the regulations are brought into force for the ‘recycling/transfer station’, it is Kerry County Council’s intension to assess their impact and adapt the site 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.

13.0 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.

14.0 Reported Incidents and Complaints

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

15.0 Report on Financial Provision at Cahersiveen Civic Amenity ,2015

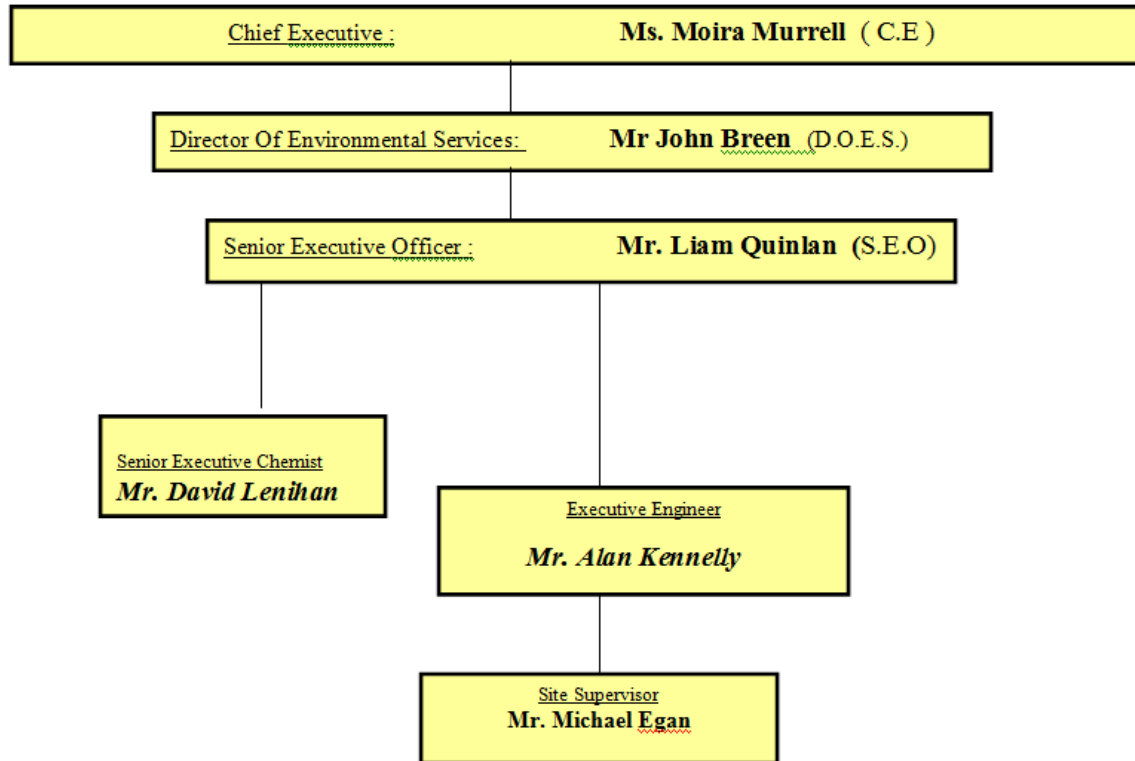
(a) Statement of Costs for Waste Operations

Accelem	Accelem (Text)	Total Charge (€)
60030	Wages	€17,663.58
60040	Salaries	€4,826.95
60100	ER PRSI	€2,785.20
60200	Overtime	€1,816.52
60300	Arrears	€25.65
60500	Annual Leave	€1,702.41
60510	Bank Holiday Leave	€983.33
60600	Travel/Subsistence	€1,870.04
60700	Eating on site allowance	€3.80
65500	Minor Contracts- Trade Services & other works	€64,021.34
66500	Non-Capital Equip Purchase - Fire Services	€3.61
67500	Non-Capital Equip Purchase - Computers	€925.00
68500	Non-Capital Equip Purchase - Other	€73.17
69000	Hire (Ext) - Plant/Transport/Machinery & Equipment	€554.90
69200	Repairs & Maint - Plant	€0.00
69260	Repairs & Maint - Other Equip	€4.52
69400	Transfers from Machinery Yard	€5,813.00
69600	Other Vehicle Expenses	€102.00
70000	Materials	€378.07
70990	Issues from Stores	€1,935.56
70991	Returns to Stores	-€118.51
71000	Insurance	€405.52
73400	Staff Travelling & Subsistence Expenses	€961.45
76000	Communication Expenses	€300.76
76100	Postage	€61.79
77200	Security - Property	€256.19
78000	Training	€0.00
79900	Consultancy/Professional Fees and Expenses	€880.00
81000	Printing & Office Consumables	€0.00
82100	Statutory Contributions to Other Bodies	€7,512.96
85100	Rates & Other LA Charges	€162.80
86000	Energy / Utilities	€1,561.66
	TOTAL	€117,473.27

15 (b) Statement of Costs for Recycling Operations at Caherciveen Civic Amenity ,2015

Accelem	Accelem (Text)	Total Charge (€)
60030	Wages	€14,464.23
60040	Salaries	€4,826.95
60100	ER PRSI	€2,555.58
60200	Overtime	€3,140.43
60300	Arrears	€25.65
60400	Sick Pay	€134.15
60500	Annual Leave	€2,763.48
60510	Bank Holiday Leave	€144.21
60600	Travel/Subsistence	€1,569.79
65500	Minor Contracts- Trade Services & other works	€6,172.46
66500	Non-Capital Equip Purchase - Fire Services	€14.40
69000	Hire (Ext) - Plant/Transport/Machinery & Equipment	€45.00
69200	Repairs & Maint - Plant	€0.00
69260	Repairs & Maint - Other Equip	€18.08
69400	Transfers from Machinery Yard	€2,227.50
70000	Materials	€877.38
70990	Issues from Stores	€3,105.11
71000	Insurance	€0.00
73400	Staff Travelling & Subsistence Expenses	€5,025.04
76000	Communication Expenses	€275.91
77200	Security - Property	€256.19
78000	Training	€0.00
80000	Advertising	€0.00
81000	Printing & Office Consumables	€46.00
82100	Statutory Contributions to Other Bodies	€0.00
85100	Rates & Other LA Charges	€0.00
86000	Energy / Utilities	€431.51
	TOTAL	€48,119.05

16.0 Management and Staffing Structure at the Facility December 2015



17.0 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 e.g. leaflets.
- Environmental Management System.

Appendix I : Waste Categorisation and Statistics 2015

Caherciveen Transfer Station Residual Waste - Tonnage Period 01/01/15 to 31/12/2015

Month	Levied Waste					Total Levied Waste	Non Levied Waste					TOTALS			
	Public Car Household	* Non weighed waste inclusive of tickets	Account Holders VAT Inclusive	Account Holder VAT Exclusive (Valentia Island Industries)	KCC Levied Waste		KCC Road Sweeping/Street Cleaning	Graveyard Waste	KCC Clean Ups / Ftipping	Environment Flytipping / Clean Ups - Invs Raised to Environment (In 2014 no invoices raised)	Total Non-levied	Total of Waste Over Weighbridge	Total Waste Out of Facility - Including Ticket Waste (Jan - 11th July 2014 = waste into NKL)	No. Loads out of TS	
January 2015	16.42	13.12	1.24	0.00	1.58	32.36	2.38	0.00	0.46	0.10	2.94	22.18	35.30	3	
January 2014	20.06	24.14	1.38	0.00	0.92	46.50	0.46	0.00	3.76	1.74	5.96	28.32	52.46	6	
February 2015	19.10	19.88	0.72	1.06	0.46	41.22	1.92	0.30	0.00	0.78	3.00	24.34	44.22	4	
February 2014	16.86	7.88	1.14	1.22	1.54	28.64	1.84	0.00	0.48	0.32	2.64	23.40	31.28	3	
March 2015	21.06	8.12	2.14	0.32	0.18	31.82	1.68	0.12	0.48	0.36	2.64	26.34	34.46	3	
March 2014	18.44	14.32	0.86	0.88	0.28	34.78	2.56	0.00	0.78	1.34	4.68	25.14	39.46	4	
April 2015	23.62	24.8	1.38	0.44	0.62	50.86	1.68	0	0.54	1.56	3.78	29.84	54.64	5	
April 2014	28.32	8.94	1.96	0.00	0.24	39.46	3.60	0.00	0.62	2.78	7.00	37.52	44.12	4	
May 2015	21.66	5.94	1.06	0.78	0.00	29.44	1.94	0.22	0.38	1.90	4.44	27.94	33.88	3	
May 2014	19.26	21.1	1.42	1.2	1.06	44.04	1.98	0	0.18	0.58	2.74	25.68	46.78	4	
June 2015	24.02	12.5	1.94	0.68	0	39.14	1.54	0.12	1.24	0.68	3.58	30.22	42.72	4	
June 2014	23.54	16.48	1.12	0	0.92	42.06	1.98	0.2	1.36	0.54	4.08	29.66	46.14	4	
July 2015	30.18	18.94	2.74	3.12	0.18	55.16	0.84	0	2.22	0.88	3.94	40.16	59.10	5	
Total July 2014	31.1	21.46	2.62	1.22	0.9	57.30	2.16	0	2.66	0.32	5.14	40.98	62.44	5	
August 2015	27.1	29.2	5.6	0.00	0	61.90	5.14	0	2.62	1.28	9.04	41.74	70.94	6	
August 2014	28.2	7.22	5.58	0	0.44	41.44	6.2	0.6	3.7	0.8	11.3	45.52	52.74	5	
September 2015	21.06	10.2	2.66	0	0.16	34.08	0	0	2.48	1.04	3.52	27.40	37.60	4	
September 2014	22.98	15.88	1.02	0.68	0.28	40.84	2.64	0	2.16	0.36	5.16	30.12	46.00	4	
October 2015	17.54	15.38	1.36	1.44	3.44	39.16	2	0.04	0.36	0.6	3	26.78	42.16	4	
October 2014	19.16	17.72	1.32	1.54	0.48	40.22	2.74	0	0.28	0.22	3.24	25.74	43.46	4	
November 2015	18.5	14.78	4.24	0	3	40.52	2.84	0	0	0.84	3.68	29.42	44.20	4	
November 2014	19.18	9.32	2.1	0.88	1.64	33.12	2.68	0.18	0	0.48	3.34	27.14	36.46	3	
December 2015	19.34	18.38	0.46	0.58	1.86	40.62	2.5	0.68	0	0.54	3.72	25.96	44.34	4	
December 2014	18.98	19	0.4	0.5	1.7	40.58	2.6	0	0.46	0	3.06	24.64	43.64	4	
Total Tonnage 2015	259.60	191.24	25.54	8.42	11.48	496.28	24.46	1.48	10.78	10.56	47.28	352.32	543.56	49	
Total Tonnage 2014	266.08	183.46	20.92	8.12	10.40	488.98	31.44	0.98	16.44	9.48	58.34	363.86	544.98	50	
Total Account Holders 2015			33.96												
Grand Total			496.28						47.28						

Household Waste Deposited at Caherciveen Civic Amenity Sites in 2015

Material type	Suggested EWC codes	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Organic waste (food and garden)														0.00
food (compost waste MIBWV TS)	20 01 08													0.00
garden	20 02 01													0.00
Mixed dry recyclables (EcoSense Bags)	20 03 01	1.52	1.08	1.22	1.40	1.34	1.90	1.56	1.52	1.66	1.06	1.06	1.12	16.44
Cardboard, newspaper and other paper														0.00
cardboard packaging	16 01 01	1.72	1.16	2.18	2.44	2.00	1.66	2.82	2.82	2.00	1.96	2.72	2.26	26.74
cardboard non-packaging	20 01 01													0.00
paper packaging	16 01 01													0.00
paper non-packaging	20 01 01													0.00
newspaper and magazines	20 01 01	4.20	3.90	3.40	5.28	4.34	3.92	4.40	5.44	4.76	5.28	4.62	5.26	54.42
Glass														0.00
glass packaging (bottles)	16 01 07	6.2990	2.1880	3.0780	2.3740	2.5900	2.2800	2.7880	8.8910	2.5530	1.2290	2.9190	1.2520	38.3980
glass non-packaging (flat glass)	20 01 02													0.0000
Metals														0.0000
aluminum cans (packaging)	16 01 04	0.2530	0.1090	0.1070	0.0890	0.2040	0.1220	0.0920	0.1890	0.0760	0.0870	0.0860	0.0960	1.5100
steel cans (packaging)	16 01 04	0.6370	0.3390	0.3030	0.1810	0.5230	0.3260	0.4260	0.4340	0.1730	0.3020	0.4090	0.2160	4.2880
other metals (scrap metals)	20 01 40	2.20	2.66	3.14	4.22	1.52	4.28	3.14	1.54	3.62	3.56	0.00	3.90	33.40
Plastic														0.00
plastic packaging (bottles)	16 01 02	1.44	1.26	1.08	1.82	1.44	1.56	2.48	2.76	1.84	1.76	1.48	1.96	20.92
plastic non-packaging	20 01 30													0.00
polystyrene														0.00
Composite packaging (e.g. tetrapaks)	16 01 06													0.00
Textiles														0.00
textiles, packaging	16 01 09													0.00
textiles, non-packaging (clothes)	20 01 11												1.06	1.06
Wood														0.00
wood packaging	16 01 03													0.00
wood non-packaging	20 01 38													0.00
mixed, uncontaminated wood packaging and non-packaging (collected at An Daingean)	16 01 03; 20 01 38													0.00
wood, treated, hazardous	20 01 37*													0.00
Batteries	Portable batteries													0.00
lead acid batteries and accumulators (Car Batteries)	16 06 01*													0.000
Ni-Cd batteries and accumulators	16 06 02*	0.0000	0.0000	0.0000	0.0000	0.6060	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.4680	1.0710
Other (e.g. alkaline) batteries and accumulators (Small Batteries)	16 06 04													0.00
Household Hazardous Waste														0.00
Waste mineral oils (Eno's Oil)	13 02 08	0.768	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.94	0.00	0.00	1.708
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	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
Waste cooking or vegetable oils (Teigh Budkley Eco Fuels)	20 01 25	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 paint and varnish (including containers)	20 01 27	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
Aerosols	14 06 01	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
WEEE collected by compliance schemes														0.00
CRT	20 01 36	1.917	1.230	0.000	1.255	2.163	0.000	1.408	1.459	1.281	0.000	1.393	1.030	13.206
SDA - Small Domestic Appliances	20 01 36	1.740	1.810	0.000	2.190	3.472	0.000	2.880	2.480	2.310	0.000	3.480	1.710	22.072
LDA - Large Domestic Appliances	20 01 36	0.970	1.420	0.000	0.360	1.630	0.000	0.367	1.300	0.000	0.924	0.924	1.250	8.951
Cold	20 01 36	0.585	0.332	0.000	0.612	0.210	0.000	0.356	0.000	1.880	0.000	1.139	0.179	5.273
														0.00
														0.00
WEEE taken off-site by charities (e.g. mobile phones)	20 01 35													0.00
Dry Recyclables Customer Caherciveen CA	20 03 01													0.00
Fluorescent Tubes	20 01 11	0.00	0.00	0.00	0.00	0.00	0.00	0.156	0.00	0.00	0.00	0.069	0.00	0.227
Foul Water Septic Tanks Caherciveen CA	19 07 03													0.00

Appendix II : Results of Foul and Surface Water Monitoring

Kerry County Council - All Laboratory Results Report
(Environment)

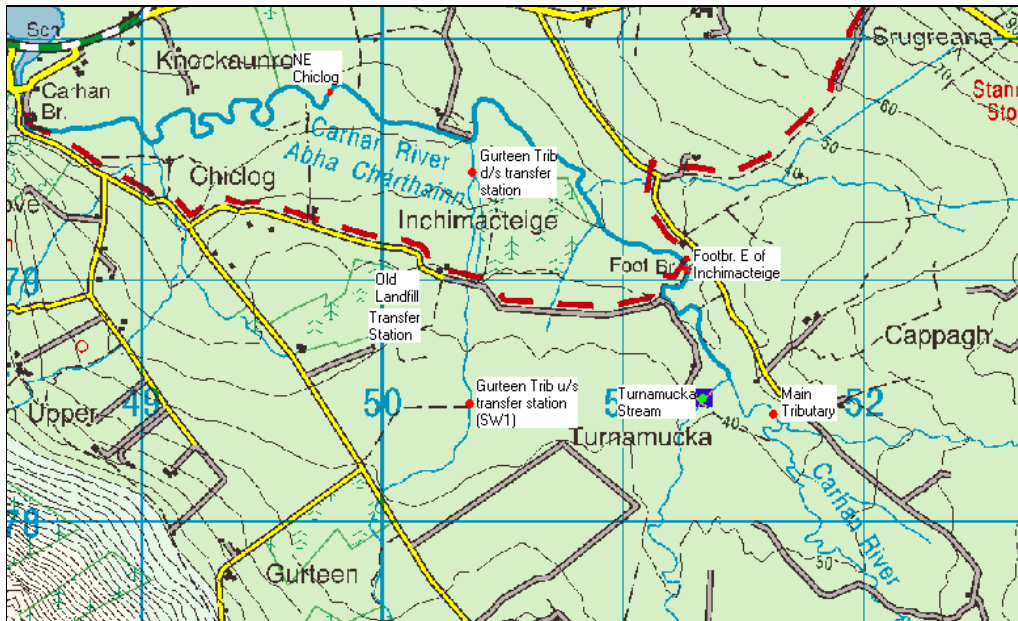


* Please note that in accordance with Quality assurance procedures some of this data may be

Page 1 of 1

Product	Product Version	Project	SAMPLING POINT	Sampling Point	Sample No.	COA Link	Sampled Date	Sampled Time	Sampled By	Sample Type	Test List	Comments	Sample Status	Certificate of Authorisation	Analysis	803_ODOUR	005A_TEMP_F	006_PH	007A_CONDU	013C_BOD	014_COD	022K_AMMON	028K_CHLORI	036_DO_MG	037_SUSPEN	082_VIS_INS
															Parameter	Odour	Temperature	pH	CTIVITY20C	B.O.D.	C.O.D.	IA	DE	L	S	CTION
															Reported Name	Units	DEG_C	6.0	USCM	BOD	MGL	0.0	MGL	MGL	MGL	MGL
SURF_WATER		CAHERIVEEN	CAHERIVEEN_SW1	2015/0367	\doc_server\COA\KCC_ENVIR\ON\2015\Jun12\015-0367_v1.pdf	28-Jan-15	13:13	TOS	LANDFILL	131_TRANSFER_ST_SURF		Authorised	\doc_server\COA\KCC_ENVIRO\N\2015\Jun\2015-0367_v1.pdf	Not Detected	7.0	6.9	137	1.1	15	0.10	36.4	11.4	4	Clear		
			CAHERIVEEN_SW1	2015/4012	\doc_server\COA\KCC_ENVIR\ON\2015\Oct12\015-4012_v1.pdf	24-Sep-15	16:10	TOS	LANDFILL	130_NKL_SURF_QUART		Authorised	\doc_server\COA\KCC_ENVIRO\N\2015\Oct\2015-4012_v1.pdf	Earthy	12.8	6.8	118	<1.3	38	0.02	28.4	9.8	2	River like brown colour, strong flow		
			CAHERIVEEN_SW1	2015/4016QA	\doc_server\COA\KCC_ENVIR\ON\2015\Oct12\015-4016QA_v1.pdf	24-Sep-15	16:10	TOS	LANDFILL	130_NKL_SURF_QUART		Authorised	\doc_server\COA\KCC_ENVIRO\N\2015\Oct\2015-4016QA_v1.pdf	Earthy	12.8	6.9	111	<1.3	51	0.02	28.0	9.8	<1	River like brown colour/strong flow		
		CAHERIVEEN_SW3	CAHERIVEEN_SW3	2015/0368	\doc_server\COA\KCC_ENVIR\ON\2015\Jun12\015-0368_v1.pdf	28-Jan-15	13:51	TOS	LANDFILL	131_TRANSFER_ST_SURF		Authorised	\doc_server\COA\KCC_ENVIRO\N\2015\Jun\2015-0368_v1.pdf	Not Detected	7.1	6.9	221	<1.0	33	0.05	53.7	11.0	<1	Clear		
			CAHERIVEEN_SW3	2015/4013	\doc_server\COA\KCC_ENVIR\ON\2015\Oct12\015-4013_v1.pdf	24-Sep-15	15:22	TOS	LANDFILL	130_NKL_SURF_QUART		Authorised	\doc_server\COA\KCC_ENVIRO\N\2015\Oct\2015-4013_v1.pdf	Normal	14.1	7.0	129	<1.3	43	0.14	25.4	9.5	2	Light Brown colour/Good Flow		
		CAHERIVEEN_SW4	CAHERIVEEN_SW4	2015/0369	\doc_server\COA\KCC_ENVIR\ON\2015\Jun12\015-0369_v1.pdf	28-Jan-15	13:36	TOS	LANDFILL	131_TRANSFER_ST_SURF		Authorised	\doc_server\COA\KCC_ENVIRO\N\2015\Jun\2015-0369_v1.pdf	Not Detected	7.1	5.9	191	<1.0	21	<0.02	45.2	8.6	6	Clear		
			CAHERIVEEN_SW4	2015/4014	\doc_server\COA\KCC_ENVIR\ON\2015\Oct12\015-4014_v1.pdf	24-Sep-15	15:50	TOS	LANDFILL	130_NKL_SURF_QUART		Authorised	\doc_server\COA\KCC_ENVIRO\N\2015\Oct\2015-4014_v1.pdf	Normal	12.9	6.3	137	<1.3	32	0.03	31.7	7.1	4	Light Brown colour/slow flow		
		CAHERIVEEN_SW5	CAHERIVEEN_SW5	2015/0370	\doc_server\COA\KCC_ENVIR\ON\2015\Feb\2015-0370_v1.pdf	28-Jan-15	14:01	TOS	LANDFILL	131_TRANSFER_ST_SURF		Authorised	\doc_server\COA\KCC_ENVIRO\N\2015\Feb\2015-0370_v1.pdf	Not Detected	6.9	6.5	248	1.0	24	1.44	54.3	10.8	2	Clear		
			CAHERIVEEN_SW5	2015/0373QA	\doc_server\COA\KCC_ENVIR\ON\2015\Jun12\015-0373QA_v1.pdf	28-Jan-15	14:01	TOS	LANDFILL	131_TRANSFER_ST_SURF		Authorised	\doc_server\COA\KCC_ENVIRO\N\2015\Jun\2015-0373QA_v1.pdf	Not Detected	6.9	6.8	253	1.1	26	1.50	52.8	10.8	5	Clear		
			CAHERIVEEN_SW5	2015/4015	\doc_server\COA\KCC_ENVIR\ON\2015\Oct12\015-4015_v1.pdf	24-Sep-15	15:30	TOS	LANDFILL	130_NKL_SURF_QUART		Authorised	\doc_server\COA\KCC_ENVIRO\N\2015\Oct\2015-4015_v1.pdf	Normal	12.8	6.8	267	2.5	68	2.49	24.6	8.2	4	Light Brown colour/Stagnant/Brown flac on drain bed		

Map of Sampling Points



Appendix III – Results of Dust Monitoring



OUR REF: RP 2014 | KERRY COUNTY COUNCIL – CAHERCIVEEN | 001

PAGE 01 | 01

ANALYSIS REPORT

CUSTOMER:	KERRY COUNTY COUNCIL	SAMPLE TYPE:	DUST
ADDRESS:	Environment Section, Main Street, Tralee, County Kerry	CONDITION OF SAMPLE ON RECEIPT:	Satisfactory
REPORT TO:	TARA MC CARTHY	DATE SAMPLED:	26 August – 26 September 2014
SAMPLED BY:	John Mannix	DATE RECEIVED:	29 September 2014
SAMPLING PT:	CAHERCIVEEN TRANSFER STATION	DATE ANALYSED:	08 – 10 October 2014
ORDER NO.:		DATE REPORTED:	14 October 2014
		WORK NO.:	31340 C 12P-101

TABLE OF RESULTS

METHOD:	LAB REF:	YOUR REF:	TOTAL PARTICULATES mg/m ³ /day	INORGANIC PARTICULATES mg/m ³ /day
SCP 039	C14-Oct 669	Station 1	95	16
SCP 039	C14-Oct 670	Station 2	173	85

Jennifer Keane
 Jennifer Keane
 Chemistry Laboratory Manager

- The results relate only to the items tested.
- The analysis report shall not be reproduced except in full without written approval of the laboratory.

(registered office)
 duncine | killarney | county kerry | ireland | telephone +353 (0)64 6633922 | fax +353 (0)64 6639022
 web site www.southernscientificireland.com | e-mail info@southernscientificireland.com

directors: K. Murphy, M. Murphy & C. Murphy
 registered in ireland no 323196 | vat reg no IE 6343196 M

Appendix IV – Results of Noise Monitoring

ISSUE FORM	
Project number	16490
Document number	6001
Document revision	A
Document title	Noise Survey
Document status	Draft
Document prepared by	Peter Barry
Document checked by	MR (MWP) / 2015-02-16

Table of contents

1	INTRODUCTION	1
2	METHODOLOGY.....	1
2.1	Monitoring periods	1
2.2	Monitoring Locations	1
2.2.1	Photographs of Noise Monitoring Locations	2
2.3	Survey Equipment.....	2
2.4	Measurement Parameters.....	3
2.5	Meteorological Conditions	3
3	NOISE SOURCES	3
4	RESULTS	4
5	CONCLUSION	5

List of appendices

Appendix 1	Calibration Certificates
Appendix 2	Glossary of Noise Related Terms

1 INTRODUCTION

Kerry County Council operates a waste transfer station in Inchamacteige, near Caherciveen. The facility operates within the conditions set out in the waster licence register number W087-01. Under the terms of this licence the facility is required to carry out an annual environmental noise survey. The results of this survey are described below.

2 METHODOLOGY

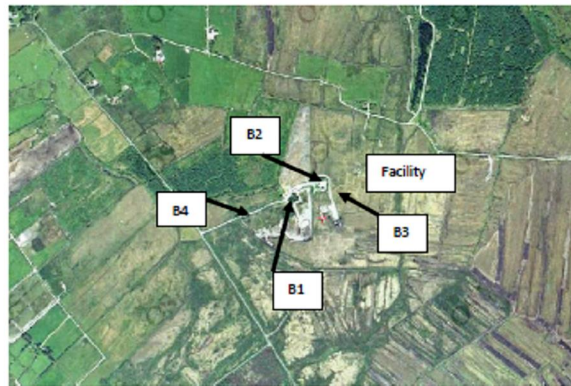
2.1 MONITORING PERIODS

The survey was carried out in accordance with the EPA guidance document, EPA guidance note 4- Guidance Note for Noise: Licence Applications, Surveys and Assessments in relation to Scheduled Activities. In accordance with the guidance note the noise surveys were carried out over three monitoring periods during the normal daytime operating times. Monitoring was undertaken for 30 minutes at each location. Noise monitoring was undertaken by Peter Barry (AMIOA) of Malachy Walsh and Partners on the 11th February 2015.

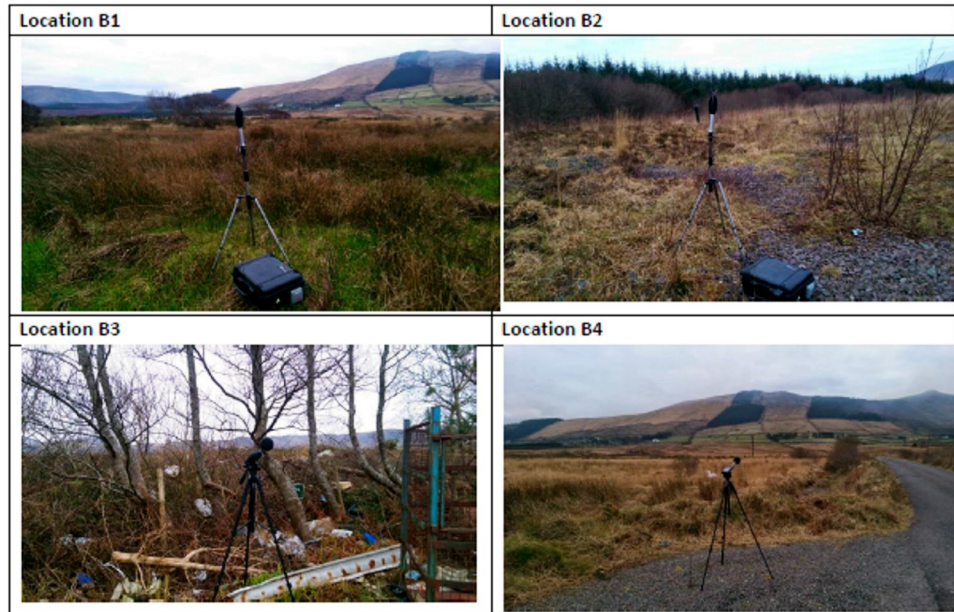
2.2 MONITORING LOCATIONS

Monitoring was undertaken at locations B1, B2, B3 and B4. The locations are shown on Figure 1.

Figure1: NOISE MONITORING LOCATIONS



2.2.1 Photographs of Noise Monitoring Locations



2.3 SURVEY EQUIPMENT

The measurements were made using a Bruel & Kjaer type 2250 Light and a Larson Davis 820 Logging integrating Sound Level Meter. These are Type 1 instruments in accordance with IEC 651 regulations. The Time Weighting used was Fast and the Frequency Weighting was A-weighted as per IEC 651. The sound level meters (SLM) were mounted on a tripod at 1.5m above ground level and at least 2m away from any sound reflecting objects. A windshield was placed on the microphone to reduce any wind interference during measurements.

Factory calibration certificates for the noise level meter and acoustic calibrator, detailing equipment serial numbers, calibration traceability and re-calibration dates are attached as Appendix A.

2.4 MEASUREMENT PARAMETERS

In order to be able to interpret the noise levels correctly several parameters were measured. These include the;

- L_{Aeq} Time-averaged A weighted noise level.
- L_{A90} Noise level exceeded for 90 % of measurement period (steady underlying noise level).
- L_{A10} Noise level exceeded for 10 % of measurement period.

A subjective analysis for the presence of tones and impulsive noise was also undertaken at each location.

2.5 METEOROLOGICAL CONDITIONS

Meteorological conditions were noted as dry, cool with light winds not exceeding 5 meters per second (ms^{-1}) at any time during the surveys. It is recommended that outdoor noise monitoring is not undertaken in adverse weather conditions as the wind or rain can elevate the readings. Ideally there should be no rain and wind speeds should generally not exceed $5 ms^{-1}$.

3 NOISE SOURCES

The main noise sources at this facility include:

- A tipping shed where costumers tip rubbish from cars and trailers. The rubbish is deposited into a compaction area and is compacted and a container filled for removal off site. This tipping shed has a motor which operates the compactor. The tipping shed is not in continuous operation, rather infrequently as needed.
- Customers vehicles entering and existing the facility
- Customers using the various recycling and waste skips and areas.

4 RESULTS

Table 1. Noise Monitoring Results

Location Reference	Date and Time	L _{Aeq} dB	L _{A10} dB	L _{A90} dB	Tones	Description of Noise Sources
B1 (at main gate)	13:00-13:30	42	43	21	No	The main contributing noise source at this location included cars and traffic entering and exiting the facility. Birdsong also contributed to the noise build up. No tones were audible at this location
	13:30-14:00	40	40	20		
	14:00-14:30	40	44	22		
B2 (at weighbridge)	10:30-11:00	38	40	20	No	Customers and idling cars were the main contributing noise source at this location. No audible tones noted.
	11:00-11:30	40	42	21		
	11:30-12:00	38	40	20		
B3 (boundary location)	10:30-11:00	39	33	24	No	Occasional customer. Birdsong. No audible tones noted.
	11:00-11:30	36	35	25		
	11:30-12:00	34	35	24		
B4 (access road to facility)	13:00-13:30	51	38	23	No	No notable noise emissions from the facility. Cars passing the monitoring location were the main contributing noise sources to the ambient noise level. No audible tones noted.
	13:30-14:00	52	36	22		
	14:00-14:30	57	42	23		

5 CONCLUSION

In conclusion the Caherciveen waste transfer station was not a significant contributor to the ambient noise environment in the area.

The main sources of noise included the tipping shed and customers entering and exiting the facility and using the various waste and recycling areas. The tipping shed is not in continuous operation, only for short periods at infrequent intervals throughout the day. The facility only operates three days a week.

There were no steady or continuous noise emissions from the facility. The facility does not constitute a nuisance for the nearest noise sensitive receptors.

The ambient noise level (LAeq) did not exceed the licence conditions at any location, bar one location, N4 LAeq 57 dB, however this was attributable to traffic, cars, jeeps and tractors, passing the measurement location, and is representative of any rural roadside location.

The measured L_{A90} or background noise levels, which excludes noise from traffic and aircraft, were well below the 55 dB(A) noise limit, ranging between L_{90} 22dB(A) to 25dB(A), reflecting the quiet and rural nature of the location.

No distinctly audible tones were noted at any location. At the boundary locations there were occasional impact noises from waste material being dropped into skips and bins, however this impulsive noise would not cause disturbance or annoyance at any off site location and does not warrant a penalty.

Caherciveen Waste Transfer Station is operating within the waste licence noise emission criteria.

Appendix 1

Calibration Certificates

Certificate of Calibration and Conformance

Certificate Number 2014-189699

Instrument Model PRM828, Serial Number 2952, was calibrated on 16 Apr 2014. The instrument meets factory specifications per Procedure D0001.8135.

New Instrument
Date Calibrated: 16 Apr 2014
Calibration due:

Calibration Standards Used

MANUFACTURER	MODEL	SERIAL NUMBER	INTERVAL	CAL. DUE	TRACEABILITY NO.
Agilent Technologies	34401A	MY41044529	12 Months	4 Feb 2015	6396720
Larson Davis	LDSigGn/2209	0277 / 0109	12 Months	12 Mar 2015	2014-187602

Reference Standards are traceable to the National Institute of Standards and Technology (NIST)

Calibration Environmental Conditions

Temperature: 23 ° Centigrade

Relative Humidity: 50 %

Affirmations

This Certificate attests that this instrument has been calibrated under the stated conditions with Measurement and Test Equipment (M&TE) Standards traceable to the U.S. National Institute of Standards and Technology (NIST). All of the Measurement Standards have been calibrated to their manufacturers' specified accuracy / uncertainty. Evidence of traceability and accuracy is on file at Provo Engineering & Manufacturing Center. An acceptable accuracy ratio between the Standard(s) and the item calibrated has been maintained. This instrument meets or exceeds the manufacturer's published specification unless noted.

The collective uncertainty of the Measurement Standard used does not exceed 25% of the applicable tolerance for each characteristic calibrated unless otherwise noted.

The results documented in this certificate relate only to the item(s) calibrated or tested. A one year calibration is recommended, however calibration interval assignment and adjustment are the responsibility of the end user. This certificate may not be reproduced, except in full, without the written approval of the issuer.

Signed:

Ron Harris

Technician: Ron Harris

Page 1 of 1

Provo Engineering and Manufacturing Center, 1681 West 820 North, Provo, Utah 84601
Toll Free: 888.258.3222 Telephone: 716.926.8243 Fax: 716.926.8215
ISO 9001-2008 Certified



Certificate of Calibration and Conformance

Certificate Number 2014-189710

Instrument Model 820, Serial Number 1915, was calibrated on 16 Apr 2014. The instrument meets factory specifications per Procedure D0001.8160, ANSI S1.4 1983, IEC 651-Type 1 1979, and IEC 804-Type 1 1985.

New Instrument
Date Calibrated: 16 Apr 2014
Calibration due:

Calibration Standards Used

MANUFACTURER	MODEL	SERIAL NUMBER	INTERVAL	CAL DUE	TRACEABILITY
Larson Davis	LDSigGn/2209	0277 / 0109	12 Months	12 Mar 2015	2014-187602

Reference Standards are traceable to the National Institute of Standards and Technology (NIST)

Calibration Environmental Conditions

Temperature: 23 ° Centigrade

Relative Humidity: 50 %

Affirmations

This Certificate attests that this instrument has been calibrated under the stated conditions with Measurement and Test Equipment (M&TE) Standards traceable to the U.S. National Institute of Standards and Technology (NIST). All of the Measurement Standards have been calibrated to their manufacturers' specified accuracy / uncertainty. Evidence of traceability and accuracy is on file at Provo Engineering & Manufacturing Center. An acceptable accuracy ratio between the Standard(s) and the item calibrated has been maintained. This instrument meets or exceeds the manufacturer's published specification unless noted.

The collective uncertainty of the Measurement Standard used does not exceed 25% of the applicable tolerance for each characteristic calibrated unless otherwise noted.

The results documented in this certificate relate only to the item(s) calibrated or tested. A one year calibration is recommended, however calibration interval assignment and adjustment are the responsibility of the end user. This certificate may not be reproduced, except in full, without the written approval of the issuer.

Tested with PRM828-2952

Signed: 
Technician: Ron Harris

Page 1 of

Provo Engineering and Manufacturing Center, 1681 West 820 North, Provo, Utah 84601
Toll Free: 888.258.3222 Telephone: 716.926.8243 Fax: 716.926.8215
ISO 9001-2008 Certified



NSAI

National Metrology Laboratory

Certificate of Calibration

Issued to Calmet Limited
1E Three Rock Road
Sandyford Industrial Estate
Dublin 18

Attention of Gerry Segrave

Certificate Number	E14202
Item Calibrated	Bruel & Kjaer Type 4231 Sound Level Calibrator
Serial Number	2665058
Client ID Number	-----
Order Number	71135
Date Received	10 Apr 2014
NML Procedure Number	AP-NM-13

Method The above calibrator was allowed to stabilize for a suitable period in laboratory conditions. It was then calibrated by measuring the sound pressure level generated in its measuring cavity (half-inch configuration). The calibrator's operating frequency was also measured.

Calibration Standards Norsonic 1504A Calibration System incorporating:
Agilent 34401A Multimeter, No. 0736 [Cal due date: 10 Jul 2014]
B & K 4134 Measuring Microphone, No. 0743 [Cal due date: 23 Jan 2015]
B & K 4228 Pistonphone, No. 0740 [Cal due: 23 Jan 2015]

Calibrated by *Sam Boles*
Sam Boles 

Approved by *P. Hetherington*
Paul Hetherington

Date of Calibration 14 Apr 2014

Date of Issue 22 Apr 2014



This certificate is consistent with Calibration and Measurement Capabilities (CMC's) that are included in Appendix C of the Mutual Recognition Arrangement (MRA) drawn up by the International Committee for Weights and Measures. Under the MRA, all participating institutes recognize the validity of each other's calibration certificates and measurement reports for quantities, ranges and measurement uncertainties specified in Appendix C (for details see www.bipm.org)



NSAI

National Metrology Laboratory

Certificate of Calibration

Issued to Malachy Walsh & Partners
Reen Point
Blennerville
Tralee, Co Kerry

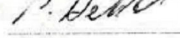
Attention of Peter Barry

Certificate Number E13011B
Item Calibrated Bruel & Kjaer Type 2250 "Light" Sound Level Meter and 4950 Microphone
Serial Number 2654709 and 2657422 (microphone)
Client ID Number -----
Order Number MWP130108
Date Received 09 Jan 2013
NML Procedure Number AP-NM-09

Method The above sound level meter was allowed to stabilise for a suitable period in laboratory conditions. The verification checks performed are those outlined in BS7580:Pt 1 (1997), *Specification for the verification of sound level meters*. This British Standard specifies a procedure for the periodic verification of conformance of a sound level meter or integrating-averaging meter to IEC60651 (1994) and IEC60804 (2000), respectively. Prior to calibration the instrument was tested, and its overall sensitivity adjusted in accordance with Clause 5.4 of BS 7580. Pt 1 using its associated sound level calibrator.

Calibration Standards Norsonic 1504A Calibration System incorporating:
SR DS360 Signal Generator, No. 0735, [Cal. Due Date: 17 Jul 2013]
Agilent 34401A Digital Multimeter, No. 0736 [Cal Due Date: 11 Jul 2013]
B&K 4134 Measuring Microphone, No. 0743 [Cal Due Date: 17 Apr 2014]
B&K 4228 Pistonphone, No. 0740 [Cal. Due Date: 08 Aug 2014]
B&K 4226 Acoustical Calibrator, No. 0150, [Cal. Due Date: 30 Oct 2013]

Calibrated by 
Oliver Power

Approved by 
Paul Hetherington

Date of Calibration 16 Jan 2013

Date of Issue 16 Jan 2013



This certificate is consistent with Calibration and Measurement Capabilities (CMC's) that are included in Appendix C of the Mutual Recognition Arrangement (MRA) drawn up by the International Committee for Weights and Measures. Under the MRA, all participating institutes recognize the validity of each other's calibration certificates and measurement reports for quantities, ranges and measurement uncertainties specified in Appendix C (for details see www.bipm.org)

Page 1 of 8

Appendix 2

Glossary of Noise Related Terms

Ambient Noise

Totally encompassing sound in a given situation at a given time usually composed of a sound from many sources near and far.

Background noise level

The A-weighted sound pressure level of the residual noise at the assessment position that is exceeded for 90% of a given time interval, T measured using time weighting F, and quoted to the nearest whole number of decibels.

EPA**Day:**

0800 hrs to 2200 hrs

Night:

2200 hrs to 0800 hrs

Decibel (dB)

The unit of sound pressure level, calculated as a logarithm of the intensity of sound. 0 dB is the threshold of hearing, 140 dB is the threshold of pain. A change of 1 dB is detectable only under laboratory conditions. A change of 10 dB corresponds approximately to halving or doubling the loudness of sound.

dB(A)

Decibels measured on a sound level meter incorporating a frequency weighting (A weighting) which differentiates between sound of different frequency (pitch) in a similar way to the human ear. Measurements in dB(A) broadly agree with peoples assessment of loudness.

Hertz (Hz)

Unit of frequency (pitch) of a sound

Impulsive Noise

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

1/3 Octave band analysis

Frequency analysis of sound such that the frequency spectrum is sub divided into bands of one third of an octave each. An octave is taken to be the frequency interval, the upper limit of which is twice the lower limit (in Hertz).

LAeq

Equivalent Continuous A-weighted Sound Level. The continuous steady noise level, which would have the same total A-weighted acoustic energy as the real fluctuating noise measured over the same period of time.

L(A)₁₀

The noise level that is equaled or exceeded for 10% of the measurement period

L(A)₉₀

The noise level that is equaled or exceeded for 90% of the measurement period

Noise

Unwanted sound. Any sound which has the potential to cause disturbance, discomfort or psychological stress to a subject exposed to it, or any sound which has the potential to cause actual physiological harm to a subject exposed to it or physical damage to any structure exposed to it, is known as noise

Noise Sensitive Receptor

A noise sensitive receptor is regarded as any dwelling house, hotel or hostel, health building, educational establishment, places of worship or entertainment, or any other facility or area of high amenity which for its proper enjoyment requires the absence of noise at nuisance levels

Rating level $L_{A,T}$

The specific noise level plus any adjustment for the characteristic features of the noise

Residual Noise

The ambient noise remaining at a given position in a given situation when the specific noise source is suppressed to a degree such that it does not contribute to the ambient noise

Sound Power

The energy output from a source. It is measured in Watts (W)


Specific Noise Source

The noise source under investigation for assessing the likelihood of complaints

Tone

A noise with a narrow frequency composition.

Appendix V - AER/PRTR Return 2015

1			IPTR#: W0087 Facility Name: Caherciveen Transfer Station Filename: W0087_2015.xls Return Year: 2015
2			
3	Environmental Protection Agency		
4			Guidance to completing the PRTR workbook
5			PRTR Returns Workbook
6			Version 1.1.19
7	REFERENCE YEAR		2015
8			
9	1. FACILITY IDENTIFICATION		
10			
11	Parent Company Name	Kerry County Council	
12	Facility Name	Caherciveen Transfer Station	
13	PRTR Identification Number	W0087	
14	Licence Number	W0087-01	
15			
16	Classes of Activity		
17	No.	class name	
18	-	Refer to PRTR class activities below	
19			
20			
21			
22	Address 1	Inchamacteige	
23	Address 2	Caherciveen	
24	Address 3		
25	Address 4		
26			
27	Country	Kerry	
28	Coordinates of Location	-10.182 51.9418	
29	River Basin District	IESW	
30	NACE Code	3821	
31	Main Economic Activity	Treatment and disposal of non-hazardous waste	
32	AER Returns Contact Name	Alan Kennelly	
33	AER Returns Contact Email Address	alan.kennelly@kerrycoco.ie	
34	AER Returns Contact Position	EE	
35	Returns Contact Telephone Number	0667162014	
36	Returns Contact Mobile Phone Number	0879088205	
37	AER Returns Contact Fax Number	0667162001	
38	Production Volume	0.0	
39	Production Volume Units		
40	Number of Installations	0	
41	Number of Operating Hours in Year	0	
42	Number of Employees	1	
43	User Feedback/Comments		
44			
45	Web Address	www.kerrycoco.ie	
46			
47	2. PRTR CLASS ACTIVITIES		
48	Activity Number	Activity Name	
49	50.1	General	
50	50.1	General	
51			
52	3. SOLVENTS REGULATIONS (S.I. No. 543 of 2002)		
53	Is it applicable?		
54	Have you been granted an exemption?		
55	If applicable which activity class applies (as per Schedule 2 of the regulations)?		
56	Is the reduction scheme compliance route being used?		
57			
58	4. WASTE IMPORTED/ACCEPTED ON SITE Guidance on waste imported/accepted onto site		
59	Do you import/accept waste onto your site for on-site treatment (either recovery or disposal activities)?		
60	This question is only applicable if you are an IPPC or Quarry site		
61			
62	PRINT THIS SHEET		

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE														
IPRTREF: W00871 Facility Name: Coberciveen Transfer Station Filename: W0087_2015.xls Return Year: 2015														
Please enter all quantities on this sheet in Tonnes														
3	4	Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz. Waste: Name and Licence/Permit No of Host Facility Non-Haz. Waste: Name and Licence/Permit No of Receiver/Disposer	Haz. Waste: Address of Host Facility Non-Haz. Waste: Address of Receiver/Disposer	Name and Licence / Permit No. and Address of Final Receiver / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination i.e. Final Receiver / Disposer Site (HAZARDOUS WASTE ONLY)
								M/C/E	Method Used					
5		Within the Country	13 02 08	Yes	1.708	other engine, gear and lubricating oils	R1	M	Weighed	Offsite in Ireland	Envs, W0184-1	Clonminam Industrial Estate, Portlaoise, County Laois, Ireland	ENVA Ireland, W0184-01, Clonminam, Portlaoise, Co Laois, Ireland	Clonminam, Portlaoise, Co Laois, Ireland
6		Within the Country	15 01 01	No	25.74	paper and cardboard packaging	R3	M	Weighed	Offsite in Ireland	Dillon Waste Ltd, WFP-KY-10-001	The Kerries, Tralee, County Kerry, Ireland		
7		Within the Country	15 01 02	No	20.32	plastic packaging	R3	M	Weighed	Offsite in Ireland	Dillon Waste Ltd, WFP-KY-10-001	The Kerries, Tralee, County Kerry, Ireland		
8		Within the Country	15 01 04	No	5.778	metallic packaging	R4	M	Weighed	Offsite in Ireland	Dillon Waste Ltd, WFP-KY-10-001	The Kerries, Tralee, County Kerry, Ireland		
9		Within the Country	15 01 06	No	16.44	mixed packaging	R3	M	Weighed	Offsite in Ireland	Killarney waste Disposal, W0217-01	Aughacree, Killarney, County Kerry, Ireland		
10		Within the Country	15 01 07	No	38.338	glass packaging	R5	M	Weighed	Offsite in Ireland	Dillon Waste Ltd, WFP-KY-10-001	The Kerries, Tralee, County Kerry, Ireland	European Metal Recycling, WML	
11		To Other Countries	16 02 11	Yes	5.273	discarded equipment containing chlorofluorocarbons, HCFC, HFC	R4	M	Weighed	Abroad	Electrical Waste Management, WFP-DS-11-0014-04	Block 648, Jordanstown Drive, Greenogue Ind Estate, Dublin, Ireland	101767, Alexander Dock 1, Bootle, Liverpool, L201BX, United Kingdom	Alexander Dock 1, Bootle, Liverpool, L201BX, United Kingdom
12		To Other Countries	16 02 14	No	8.351	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 Estate, Dublin, Ireland		
13		Within the Country	20 01 01	No	54.52	paper and cardboard	R3	M	Weighed	Offsite in Ireland	Dillon Waste Ltd, WFP-KY-10-001	The Kerries, Tralee, County Kerry, Ireland	Belgard	
14		Within the Country	20 01 11	No	1.06	textiles	R3	M	Weighed	Offsite in Ireland	Textile Recycling, WPR 014/2	Road, Tallaght, Dublin, 24, Ireland		
15		To Other Countries	20 01 21	Yes	0.227	fluorescent tubes and other mercury-containing waste	R5	M	Weighed	Abroad	KMK Metals, W0113-01 Eco Fuels	Coppincur Industrial estate, Tullamore, County Offaly, Ireland	Alba Service GmbH & Co KG, E51757020, Kanalstrasse 64, Rheine, 48432, Germany	Kanalstrasse 64, Rheine, 48432, Germany
16		Within the Country	20 01 25	No	0.0	edible oil and fat	R1	M	Weighed	Offsite in Ireland	Fossa, Killarney, Kerry, Ireland			
17		Within the Country	20 01 34	No	1.071	batteries and accumulators other than those mentioned in 20 01 33	R4	M	Weighed	Offsite in Ireland	Envs, W0184-1	Clonminam Industrial Estate, Portlaoise, County Laois, Ireland		
18		Within the Country	20 01 35	Yes	22.072	discarded electrical and electronic equipment other than those mentioned in 20 01 21 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 Estate, Dublin, Ireland	The Recycling Village, WFP/MH/11/0005/0 1, Unit 21 Duleek Business Park, Commons, Duleek, County Meath, Ireland	Unit 21 Duleek Business Park, Commons, Duleek, County Meath, Ireland
19		To Other Countries	20 01 35	Yes	13.206	discarded electrical and electronic equipment other than those mentioned in 20 01 21 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 Estate, Dublin, Ireland	101767, Alexander Dock 1, Bootle, Liverpool, L201BX, United Kingdom	Alexander Dock 1, Bootle, Liverpool, L201BX, United Kingdom
20		Within the Country	20 01 40	No	33.4	metals	R4	M	Weighed	Offsite in Ireland	United Metals, WFP-LK-2013-147A-R1	Killarney waste Disposal, W0217-01	East Way Business Park, Ballysimon Road, Limerick, Ireland	
21		Within the Country	20 03 01	No	543.56	mixed municipal waste	R3	M	Weighed	Offsite in Ireland	Killarney waste Disposal, W0217-01	Aughacree, Killarney, County Kerry, Ireland		
22														