

# 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 1<sup>st</sup> – December 31<sup>st</sup> 2017

**Prepared By:**

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

*March 2018.*

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## **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 & untreated timber, WEEE and newspapers. Small quantities of garden waste are also collected.

Mixed municipal waste is also accepted on site and compacted into 30 cubic meter closed containers for subsequent transfer and disposal by nominated waste permitted contractors.

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 1<sup>st</sup> January – 31<sup>st</sup> December 2017.

### **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:**

**1<sup>st</sup> January – 31<sup>st</sup> Dec 2017.**

##### **Waste Disposal:**

Waste collected at Dingle Civic Amenity Site for disposal during the reporting year (2017) increased by 8.44 tonnes (*or approx. 1.5%*) on the previous year's (2016) total.

571.94 tonnes of waste was accepted into Dingle Civic Amenity Site for disposal during 2017.

The volume of waste collected can be broken down as follows:

<b>Waste for Disposal</b>	<b>Tonnes 2012</b>	<b>Tonnes 2013</b>	<b>Tonnes 2014</b>	<b>Tonnes 2015</b>	<b>Tonnes 2016</b>	<b>Tonnes 2017</b>
Public / Domestic.	226.64	319.90	409.1	456.46	532.02	538.56
Road Sweepings & Graveyard Waste.	0.16	1.14	0.62	0.86	1.22	0.48
Flytipping.	16.98	25.88	36.92	27.22	30.18	32.90
<b>Total for Disposal.</b>	<b>243.98</b>	<b>346.92</b>	<b>446.64</b>	<b>484.54</b>	<b>563.50</b>	<b>571.94</b>

**Table 1: Waste Stream Breakdown for the reporting Period.**

It is expected that waste disposal and recycling rates at Dingle Civic Amenity Centre will increase slightly for the next reporting period 2018. This is evident from the trends as set out above in Table 1.

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 2017 compared with previous years is outlined in Table 2 below.

<b>Waste for Recycling &amp; Recovery (<i>tonnes</i>)</b>			
<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>
<b>345.376 t</b>	<b>314.475 t</b>	<b>388.509 t</b>	<b>350.449 t</b>

**Table 2: Waste sent for recycling and recovery for reporting period.**

The quantities of waste accepted & sent for recycling in 2017 is slightly less (*by 38.06 tonnes*) than the 2016 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 2018.

## Waste collected at Dingle Civic Amenity & recovered / recycled off site during 2017

<b>Household Waste Deposited at An Daingean Civic Amenity Site in 2017</b>		
Material type	Suggested EWC codes	Totals
Mixed residual waste (Trans Waste out of facility)	20 03 01	571.94
<b>Organic waste (food and garden)</b>		
garden (Green Waste)	20 02 01	12.64
Mixed dry recyclables (Ecosence Bags)	15 01 06	96.50
<b>Cardboard, newspaper and other paper</b>		
cardboard packaging	15 01 01	26.32
newspaper and magazines	15 01 01	7.86
<b>Glass</b>		
glass packaging (bottles)	15 01 07	33.5004
glass non-packaging (flat glass)	15 01 07	0.0000
<b>Metals</b>		
aluminium cans (packaging)	15 01 04	0.538
steel cans (packaging)	15 01 04	1.735
other metals (scrap metals)	20 01 40	38.72
<b>Plastic</b>		
plastic packaging (bottles)	20 01 39	1.02
<b>Textiles</b>		
textiles, non-packaging (clothes)	20 01 11	7.66
<b>Wood</b>		
mixed, uncontaminated wood packaging and non-packaging (collected at An Daingean)	20 01 38	53.26
<b>Batteries</b>		
lead acid batteries and accumulators (Car Batteries)	20 01 33	0.00
Ni-Cd batteries and accumulators	20 01 33	0.884
<b>Household Hazardous Waste</b>		
Waste mineral oils (Engine Oil)	13 02 08	0.000
Oil filters (vehicles)		0.000
Oil containers (mineral oil) - plastic + metal		0.090
Waste cooking or vegetable oils	20 01 25	0.000
Waste paint and varnish (including containers)	20 01 27	0.230
Aerosols	14 06 01	0.063
<b>WEEE collected by compliance schemes</b>		
<b>CRT</b>	20 01 36	13.374
<b>SDA - Small Domestic Appliances</b>	20 01 36	24.501
<b>LDA - Large Domestic Appliances</b>	20 01 36	12.519
<b>Cold</b>	20 01 36	8.101
Rubble/C&D Waste (An Daingean CAS)	20 03 01	10.62
Florescent Tubes	20 01 21	0.314
<b>Overall Totals Excluding Mixed Residual Waste</b>		<b>350.449</b>
<b>Overall Totals Including Mixed Residual Waste</b>		<b>922.39</b>

**Table 3: Waste collected on site & recovered / recycled off site during 2017**

## **5.0 Summary of Procedures Developed by the Licensee**

- Revised Emergency Response Procedures and Accident Prevention Procedures were updated during 2017.
- Revised Operational Procedures for the site supervisor which included a daily inspection checklist of 'Emergency Stops' within the confines of the Transfer/ Recycling centre. These are updated where required.

## **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 control board was inspected by Kerry Co. Co. Electrician during 2017. Foul water is treated in the Wastewater Treatment Unit and reed bed before discharging to the surface water drain.

### **b) Surface Water Emissions**

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.

### **7.2 Electricity**

Electricity consumption in 2017 was slightly higher than 2016 but overall there are no outliers with the electricity consumption.

<b>Year</b>	<b>Average Electricity Usage kWh / day</b>
2017	20.53
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 and eco-sense recycling compactor. Power is also required for the office computer, lighting, weighbridge operation, CCTV, storage heating, cardboard baler, WWTP 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 from the site and Irish Water are billing Kerry County Council for treated (*mains*) water used on site. 68m<sup>3</sup> of metered water was consumed on site in 2017.

## **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 2018**

<b>Target Area</b>	<b>2018 - Objective</b>	<b>2018 – Expected Outcome to Indicate achievement of target.</b>
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

## **10.0 Noise Monitoring Report Summary**

A noise survey was undertaken on the 15<sup>th</sup> and 19<sup>th</sup> December 2017 by Southern Scientific Surveys Ltd. (Environmental Consultants). The report forwarded to Kerry County Council is dated 22<sup>nd</sup> February 2018. ***(Please see Appendix IV of this report).***

The report concludes –

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 noise environment at the noise sensitive receptors adjacent to the N86 is significantly influenced by traffic on this road. Noise levels detected at N2, which is located away from the N86 and therefore where traffic noise is subdued, were found to be satisfactory. The waste transfer station does not generate noise at night-time when the facility is closed.

There were no issues with noise during 2017 and no complaints were received in relation to noise at the facility during since it first opened in 2007. 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 1<sup>st</sup> August 2017 and 5<sup>th</sup> September 2017 by Southern Scientific Surveys Ltd. (*Environmental Consultants*). The report forwarded to Kerry County Council and is dated 6<sup>th</sup> October 2017. **(Please see Appendix III of this report).**

*The report confirms that the levels recorded are within the Emission Limit Value (ELV) as set down in our waste license.*

There were no issues with dust during 2017 and no complaints were received in relation to dust at the facility during since the facility was first opened in 2007.

### **12.0 Development / Infrastructural Works Summary**

An Eco-sense compactor unit was brought onto site which replaced the metal skips which previously stored paper and plastic. This has improved site safety and litter control.

As part of Condition 6.7 of the waste license, integrity and water tightness testing is to be completed every 3 years. On the 4<sup>th</sup> and 11<sup>th</sup> October 2017 Irish Drains Ltd (independent licensed contractor) completed a CCTV integrity test of the foul and storm drains within the site. This was a rigorous structural integrity test of the lines and found them to be in a sound working condition. The pumps that operate between the tanks and reed beds were also monitored under stress and were found to be in good working order.

### **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.

Traffic delineation lines were improved during 2017.

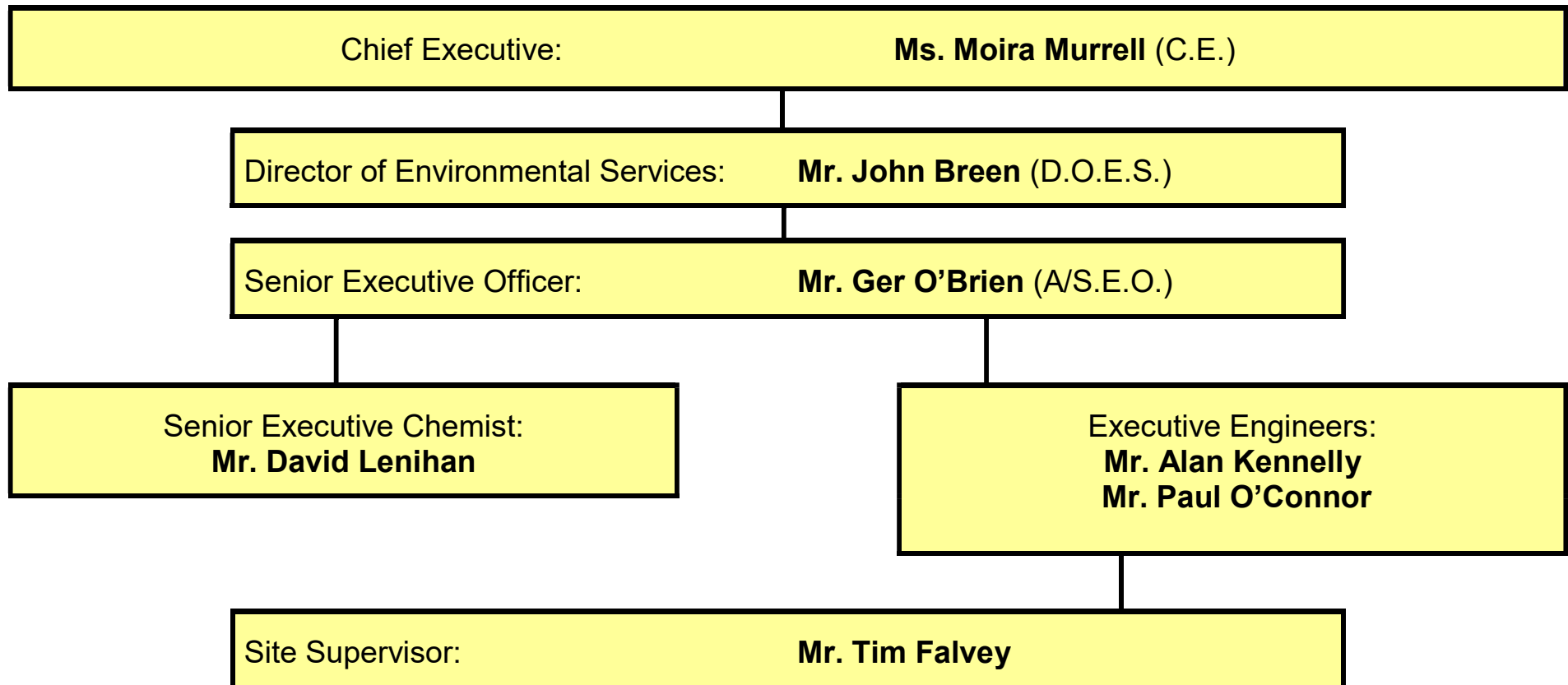
## 14.0 Report on Financial Provision in Dingle during 2017

Statement of Costs for Waste Operations - Dingle 2017		
Accelem	Account Element	Total €
60030	Wages	€ 19,387
60040	Salaries	€ 11,137
60100	ER PRSI	€ 3,292
60200	Overtime	€ 2,793
60500	Annual Leave	€ 2,013
60510	Bank Holiday Leave	€ 460
60600	Travel/Subsistence	€ 1,947
65500	Minor Contracts- Trade Services & other works	€ 109,869
68000	Non-Capital Equip Purchase - Office Equip/Furn	€ 240
68500	Non-Capital Equip Purchase - Other	€ 80
69000	Hire (Ext) - Plant/Transport/Machinery & Equipment	€ 245
69200	Repairs & Maint - Plant	€ -
69400	Transfers from Machinery Yard	€ 2,263
69600	Other Vehicle Expenses	€ -
70000	Materials	€ 1,146
70990	Issues from Stores	€ -
71000	Insurance	€ 381
73400	Staff Travelling & Subsistence Expenses	€ 1,139
75000	Computer Software and Maintenance Fees	€ -
76000	Communication Expenses	€ 171
76100	Postage	€ -
77100	Courier	€ -
77200	Security - Property	€ -
78000	Training	€ -
79900	Consultancy/Professional Fees and Expenses	€ 528
80000	Advertising	€ 110
81000	Printing & Office Consumables	€ 101
82100	Statutory Contributions to Other Bodies	€ 2,742
85100	Rates & Other LA Charges	€ 297
86000	Energy / Utilities	€ 1,259
<b>TOTAL</b>		<b>€ 161,602</b>

### Statement of Costs for Recycling Operations - Dingle 2017

Accelem	Account Element	Total €
60030	Wages	€ 17,689
60040	Salaries	€ 11,137
60100	ER PRSI	€ 3,046
60200	Overtime	€ 2,255
60400	Sick Pay	€ 584
60500	Annual Leave	€ 1,387
60510	Bank Holiday Leave	€ 623
60600	Travel/Subsistence	€ 1,684
65500	Minor Contracts- Trade Services & other works	€ 37,917
66500	Non-Capital Equip Purchase - Fire Services	€ 67
67500	Non-Capital Equip Purchase - Computers	€ 1,042
68000	Non-Capital Equip Purchase - Office Equip/Furn	€ 105
68500	Non-Capital Equip Purchase - Other	€ 12
69200	Repairs & Maint - Plant	€ -
69260	Repairs & Maint - Other Equip	€ 9
69400	Transfers from Machinery Yard	€ -
70000	Materials	€ 3,572
70990	Issues from Stores	€ 2,680
73400	Staff Travelling & Subsistence Expenses	€ 1,187
75000	Computer Software and Maintenance Fees	€ -
76000	Communication Expenses	€ 402
77100	Courier	€ -
77200	Security - Property	€ -
78000	Training	€ -
79900	Consultancy/Professional Fees and Expenses	€ 24
80000	Advertising	€ -
81000	Printing & Office Consumables	€ 35
82100	Statutory Contributions to Other Bodies	€ 2,742
85100	Rates & Other LA Charges	€ -
86000	Energy / Utilities	€ 230
<b>TOTAL</b>		<b>€ 88,429</b>

15.0 Management and Staffing Structure at the Facility as at December 2017.



## **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.**

<b>An Daingean Civic Amenity Site Residual Waste - Tonnage Period 01/01/17 to 31/12/2017</b>													
	Levied Waste as categorised by Waste Regulations				Non Levied Waste as categorised by Waste Regulations					TOTALS			
	Public Car Household	* Non weighed waste inclusive of tickets	Account Holders VAT Inclusive	KCC Levied Waste	KCC Roadsweeping/ Streetcleaning	Graveyard Waste	KCC Flytipping/Clean Ups	Environment Clean Ups/ F'tipping Invs Raised to Environment	Total KCC Tonnage not subject to Levy	Total of Waste Over Weighbridge	Total Waste Out of Facility - Including Ticket Waste	No. Loads out of TS	
January 2017	12.26	26.24	0.00	0.00	0.00	0.00	0.00	2.82	2.82	15.08	41.32	4	
January 2016	8.50	21.12	0.00	0.00	0.00	0.00	0.00	1.84	1.84	10.34	31.46	3	
February 2017	7.72	33.22	0.00	0.00	0.00	0.00	0.06	0.74	0.80	8.52	41.74	4	
February 2016	12.48	28.18	0.00	0.00	0.00	0.00	0.00	0.76	0.76	13.24	41.42	4	
March 2017	9.98	30.94	0.00	0.00	0.00	0.00	0.00	1.54	1.54	11.52	42.46	4	
March 2016	11.78	33.46	0.00	0.00	0.00	0.00	0.00	2.20	2.20	13.98	47.44	5	
April 2017	10.78	25.60	0.00	0.00	0.00	0.00	0.00	1.86	1.86	12.64	38.24	4	
April 2016	11.68	27.50	0.00	0.00	0.00	0.00	0.04	2.24	2.28	13.96	41.46	4	
May 2017	14.68	32.46	0.00	0.00	0.00	0.00	0.00	2.88	2.88	17.56	50.02	5	
May 2016	11.04	35.02	0.00	0.06	0.00	0.08	0.00	3.28	3.36	14.46	49.48	5	
June 2017	13.88	37.54	0.00	0.00	0.00	0.00	0.00	4.58	4.58	18.46	56.00	5	
June 2016	12.22	24.80	0.00	0.00	0.00	0.00	0.00	4.16	4.16	16.38	41.18	4	
July 2017	18.72	28.76	0.00	0.00	0.00	0.00	0.10	4.76	4.86	23.58	52.34	5	
July 2016	18.22	42.46	0.00	0.00	0.00	0.00	0.00	4.72	4.72	22.94	65.40	6	
August 2017	19.76	45.70	0.00	0.00	0.00	0.00	0.00	4.98	4.98	24.74	70.44	6	
August 2016	17.24	41.65	0.00	0.14	0.00	0.00	0.98	4.15	5.13	22.51	64.16	6	
September 2017	15.16	27.44	0.00	0.00	0.00	0.00	0.00	3.50	3.50	18.66	46.10	4	
September 2016	16.76	24.89	0.00	0.10	0.00	0.00	0.14	3.27	3.41	20.27	45.16	4	
October 2017	13.54	23.86	0.00	0.00	0.00	0.00	0.32	2.58	2.90	16.44	40.30	4	
October 2016	13.26	37.44	0.00	0.00	0.00	0.00	0.00	1.80	1.80	15.06	52.50	5	
November 2017	12.94	29.30	0.00	0.00	0.00	0.00	0.00	0.68	0.68	13.62	42.92	4	
November 2016	15.46	20.30	0.00	0.00	0.00	0.00	0.00	0.66	0.66	16.12	36.42	4	
December 2017	12.78	35.30	0.00	0.00	0.00	0.00	0.00	1.98	1.98	14.76	50.06	5	
December 2016	10.58	35.68	0.00	0.00	0.00	0.00	0.06	1.10	1.16	11.74	47.42	5	
<b>Total Tonnage 2017</b>	<b>162.20</b>	<b>376.36</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.48</b>	<b>32.90</b>	<b>33.38</b>	<b>195.58</b>	<b>571.94</b>	<b>54</b>	
<b>Total Tonnage 2016</b>	<b>159.22</b>	<b>372.50</b>	<b>0.00</b>	<b>0.30</b>	<b>0.00</b>	<b>0.08</b>	<b>1.22</b>	<b>30.18</b>	<b>31.48</b>	<b>191.00</b>	<b>563.50</b>	<b>55</b>	
<b>Cumulative Totals 2017</b>	<b>538.56</b>				<b>33.38</b>								

### Household Waste Deposited at An Daingean Civic Amentity Site in 2017

Material type	Suggested EWC codes	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Totals
Mixed residual waste (Trans Waste out of facility)	20 03 01	41.32	41.74	42.46	38.24	50.02	56.00	52.34	70.44	46.10	40.30	42.92	50.06	571.94
<b>Organic waste (food and garden)</b>														
garden (Green Waste)	20 02 01	0.00	0.00	0.00	12.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.64
Mixed dry recyclables (Ecosence Bags)	15 01 06	5.88	5.96	6.20	5.12	10.36	7.28	11.78	12.52	8.34	7.30	7.66	8.10	96.50
<b>Cardboard, newspaper and other paper</b>														
cardboard packaging	15 01 01	2.48	1.24	2.78	0.94	2.98	2.36	2.92	2.22	2.78	1.56	2.66	1.40	26.32
newspaper and magazines	15 01 01	0.00	0.00	4.86	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.86
<b>Glass</b>														
glass packaging (bottles)	15 01 07	2.9120	2.8790	1.4980	1.9970	3.9490	2.5444	3.1290	3.5660	3.5230	1.8960	4.6330	0.9740	33.5004
glass non-packaging (flat glass)	15 01 07	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Metals</b>														
aluminium cans (packaging)	15 01 04	0.0250	0.0710	0.0360	0.0180	0.0310	0.0210	0.0220	0.0410	0.0620	0.1220	0.0670	0.0220	0.538
steel cans (packaging)	15 01 04	0.1330	0.1880	0.0530	0.1760	0.1720	0.0590	0.1510	0.0720	0.1500	0.2340	0.2940	0.0530	1.735
other metals (scrap metals)	20 01 40	4.52	0.00	4.64	0.00	4.88	4.26	3.82	3.94	3.16	5.62	0.00	3.88	38.72
<b>Plastic</b>														
plastic packaging (bottles)	20 01 39	0.00	0.00	0.64	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.02
<b>Textiles</b>														
textiles, non-packaging (clothes)	20 01 11	0.48	0.54	0.52	0.60	0.44	0.62	0.90	0.82	0.70	0.48	1.20	0.36	7.66
<b>Wood</b>														
mixed, uncontaminated wood packaging and non-packaging (collected at An Daingean)	20 01 38	0.00	5.62	5.64	5.82	0.00	4.30	5.30	4.12	6.14	5.78	6.14	4.40	53.26
<b>Batteries</b>														
lead acid batteries and accumulators (Car Batteries)	20 01 33	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ni-Cd batteries and accumulators	20 01 33	0.000	0.000	0.000	0.000	0.000	0.522	0.000	0.000	0.000	0.000	0.362	0.000	0.884
<b>Household Hazardous Waste</b>														
Waste mineral oils (Engine Oil)	13 02 08	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Oil filters (vehicles)		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Oil containers (mineral oil) - plastic + metal		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.090	0.000	0.000	0.000	0.000	0.090
Waste cooking or vegetable oils	20 01 25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Waste paint and varnish (including containers)	20 01 27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.230	0.000	0.000	0.000	0.000	0.230
Aerosols	14 06 01	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.063	0.000	0.000	0.000	0.000	0.063
<b>WEEE collected by compliance schemes</b>														
<b>CRT</b>	20 01 36	0.000	1.914	1.409	1.219	0.000	1.062	1.841	2.246	0.000	0.773	1.457	1.453	13.374
<b>SDA - Small Domestic Appliances</b>	20 01 36	0.000	3.646	2.889	2.427	0.000	3.256	2.417	3.006	0.000	1.883	2.470	2.507	24.501
<b>LDA - Large Domestic Appliances</b>	20 01 36	0.000	1.532	1.771	1.265	0.000	0.786	1.152	1.691	0.000	1.267	2.270	0.785	12.519
<b>Cold</b>	20 01 36	0.000	0.619	1.539	0.496	0.000	1.011	0.715	1.436	0.000	0.876	0.905	0.504	8.101
Rubble/C&D Waste (An Daingean CAS)	20 03 01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.62	0.00	0.00	0.00	10.62
Florescent Tubes	20 01 21	0.140	0.000	0.000	0.000	0.000	0.000	0.174	0.000	0.000	0.000	0.000	0.000	0.314
<b>Overall Totals Excluding Mixed Residual Waste</b>		<b>16.570</b>	<b>24.209</b>	<b>34.475</b>	<b>36.098</b>	<b>22.812</b>	<b>28.081</b>	<b>34.321</b>	<b>36.061</b>	<b>35.475</b>	<b>27.791</b>	<b>30.118</b>	<b>24.438</b>	<b>350.449</b>
<b>Overall Totals Including Mixed Residual Waste</b>		<b>57.890</b>	<b>65.949</b>	<b>76.935</b>	<b>74.338</b>	<b>72.832</b>	<b>84.081</b>	<b>86.661</b>	<b>106.501</b>	<b>81.575</b>	<b>68.091</b>	<b>73.038</b>	<b>74.498</b>	<b>922.39</b>

## Appendix II – Environmental Monitoring Results.

### Kerry County Council - All Laboratory Results Report (Lab)

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 format

parameters marked with \* are accredited in this laboratory  
(for details of scope see sheet attached with this report)

Note 2 ; Parameters marked with \*\* are subcontracted

Parameter	Temperature	pH*	Conductivity*	B.O.D.	C.O.D.	Chloride*	Ammonia*	Dissolved Oxygen	Suspended Solids				
Reported Name													
Min. Value													
Max Value													
Units	DEG_C	PH	USCM	BOD	MGL	MGL	MGLN	MGL	MGL				
Surface water	Dingle Surface Water S1 (downSt)	LANDFILL	131_TRANSFER_ST_SURF		17.2	7.1	393	3.2	23	35	0.32	5.5	3
Surface water	Dingle Surface Water S1 (downSt)	LANDFILL	131_TS_DINGLE_US_DS		13.5	7.2	315	<1.3	16	27	0.08	4.2	10
Surface water	Dingle Surface Water S1 (downSt)	LANDFILL	131_TRANSFER_ST_SURF		13.4	7.1	350	<1.3	27	35.1	0.11	3.6	11
Surface water	Dingle SW 1	LANDFILL	131_TRANSFER_ST_SURF		14.8	6.8	372	2.8	22	37.4	0.34	5	2
Surface water	Dingle SW 1	LANDFILL	131_TRANSFER_ST_SURF		14.8	7.1	377	2.4	18	39.1	0.3	5	3

Matrix  
Surface water  
Surface water  
Surface water  
Surface water  
Surface water

Sampling Point	Sample Type	Test List
Dingle Surface Water S1 (downSt)	LANDFILL	131_TRANSFER_ST_SURF
Dingle Surface Water S1 (downSt)	LANDFILL	131_TS_DINGLE_US_DS
Dingle Surface Water S1 (downSt)	LANDFILL	131_TRANSFER_ST_SURF
Dingle SW 1	LANDFILL	131_TRANSFER_ST_SURF
Dingle SW 1	LANDFILL	131_TRANSFER_ST_SURF

## Appendix III – Dust Monitoring Results 2017.



OUR REF: RP 2017 | KERRY COUNTY COUNCIL – DINGLE CIVIC AMENITY SITE | 38712 C (Rev 00)

PAGE 01 \ 01

### ANALYSIS REPORT

CUSTOMER:	KERRY COUNTY COUNCIL DINGLE CIVIC AMENITY SITE	SAMPLE TYPE:	BERGERHOFF DEPOSIT GAUGE
ADDRESS:		CONDITION OF SAMPLE ON RECEIPT:	Satisfactory
REPORT TO:	PAUL O CONNOR	DATE SAMPLED:	01 August – 05 September 2017
SAMPLED BY:	Danny O Leary, Southern Scientific Services Ltd	DATE RECEIVED:	05 September 2017
SAMPLING PT:	DINGLE CIVIC AMENITY SITE	DATE ANALYSED:	14 – 28 September 2017
PROPOSAL REF:		DATE REPORTED:	06 October 2017
		WORK NO:	38712 C   17P-038

### TABLE OF RESULTS – DUST ANALYSIS (F)

Method:	Lab Ref:	Your Ref:	TOTAL PARTICULATES mg/m <sup>3</sup> /day	INORGANIC PARTICULATES mg/m <sup>3</sup> /day	Limit mg/m <sup>3</sup> /day (Supplied by Customer)
SCP 039	C17-Sep 080	Dingle ST 1	207	115	350
SCP 039	C17-Sep 081	Dingle ST 2	94	42	350
SCP 039	C17-Sep 082	Dingle ST 3	282	58	350
SCP 039	C17-Sep 083	Dingle ST 4	157	45	350

*Ruth Murphy*  
Ruth Murphy  
Chemistry Laboratory Manager

#### Index to symbols used:

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

## Appendix IV – Noise Monitoring Report 2017.



**southern scientific  
services ltd**

### **ENVIRONMENTAL NOISE SURVEY 2017**

**DINGLE WASTE TRANSFER STATION**

**FLEMINGSTOWN**

**LISPOLE**

**AN DAINGEAN**

**COUNTY KERRY**

**W0225-01**

<b>Requested By:</b>	P. O' Connor Kerry County Council
<b>Prepared By:</b>	Sinead Fagan Southern Scientific Services Ltd
<b>Date Reported:</b>	14 <sup>th</sup> February 2018
<b>Our Reference:</b>	17P 062

<b>Issue Date</b>	<b>Revision</b>	<b>Checked By</b>	<b>Comment</b>
22/02/2018	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](mailto:info@southernscientificireland.com)

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

## 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.



Figure 1: Map showing monitoring positions N1 – N4

## 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. Activities at the waste transfer station were not audible at N2 and noise associated with traffic on the N86 was subdued at this location. The  $L_{Aeq (30 min)}$  measured at N1, N3, & N4 exceeded 55dB (A) on all occasions. These exceedances were predominantly attributable to traffic noise generated on the road network in the area, particularly the adjacent N86 national route. Activities at the waste transfer station were not audible at location N3 but were occasionally audible at N1 & N4 during lulls in traffic noise. The high noise levels at N3 were mainly associated with a small number local road traffic movements which passed close to the monitor. Tonal noise was present at N3 during the first survey on December 15<sup>th</sup> but was not detected during the second survey on the same day. Noise from the waste transfer station was not audible and the source of the tone is unknown. Both N1 & N4 were significantly impacted by traffic on the N86. The noise environment at these locations is significantly influenced by this traffic noise and noise associated with recycling activities is overshadowed by traffic noise. Analysis of the 1/3 Octave Frequency Spectra show that there was no prominent tonal noise present at N1, N2, and N4 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 noise environment at the noise sensitive receptors adjacent to the N86 is significantly influenced by traffic on this road. Noise levels detected at N2, which is located away from the N86 and therefore where traffic noise is subdued, were found to be satisfactory. The waste transfer station does not generate noise at night-time when the facility is closed.



## Appendix V – PRTR Return for 2017.



| PRTR# : W0225 | Facility Name : Dingle Civic Amenity Centre | Filename : W0225\_2017.xls | Return Year : 2017 |

[Guidance to completing the PRTR workbook](#)

# PRTR Returns Workbook

Version 1.1.19

<b>REFERENCE YEAR</b>	2017
-----------------------	------

### 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	-10.2181 52.1409
River Basin District	IESW
NACE Code	3821
Main Economic Activity	Treatment and disposal of non-hazardous waste
<b>AER Returns Contact Name</b>	Alan Kennelly
<b>AER Returns Contact Email Address</b>	alan.kennelly@kerrycoco.ie
<b>AER Returns Contact Position</b>	EE
<b>AER Returns Contact Telephone Number</b>	0667162014
<b>AER Returns Contact Mobile Phone Number</b>	0879088205
<b>AER Returns Contact Fax Number</b>	0667162001
<b>Production Volume</b>	0.0
<b>Production Volume Units</b>	
<b>Number of Installations</b>	0
<b>Number of Operating Hours in Year</b>	0
<b>Number of Employees</b>	1
<b>User Feedback/Comments</b>	Waste cooking oil (EWC 20 01 25) - 0.0 Tonnes collected Waste paint & varnish (EWC 20 01 27) - 0.23 tonnes collected Waste aerosols (EWC 14 06 01) - 0.063 tonnes collected Flat Glass (EWC 20 01 02) - 0.0 tonnes collected
<b>Web Address</b>	

### 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 ONTO SITE

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

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

**SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS**

POLLUTANT		METHOD			ADD EMISSION POINT	QUANTITY		
No. Annex II	Name	M/C/E	Method Code	Designation or Description	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**

POLLUTANT		METHOD			ADD EMISSION POINT	QUANTITY		
No. Annex II	Name	M/C/E	Method Code	Designation or Description	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)**

POLLUTANT		METHOD			ADD EMISSION POINT	QUANTITY					
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	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	M		Bergerhoff Instruments	207.0	94.0	282.0	157.0	740.0	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

Total estimated methane generation (as per site model)  
Methane flared  
Methane utilised in engine/s  
Net methane emission (as reported in Section A above)

T (Total) kg/Year	M/C/E	Method Code	Designation or Description	Facility Total Capacity m3 per hour
0.0				N/A
0.0				0.0 (Total Flaring Capacity)
0.0				0.0 (Total Utilising Capacity)
0.0				N/A

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

PRTR#: W0225 | Facility Name : Dingle Civic Amenity Centre | Filename : W0225\_2017.xls | Return Year : 2017 |

28/03/2018 17:04

Please enter all quantities on this sheet in Tonnes

3

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 Next Destination Facility	Haz Waste : Address of Next Destination Facility	Name and Licence / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
						M/C/E	Method Used		Non Haz Waste: Name and Licence/Permit No of Recover/Disposer	Non Haz Waste: Address of Recover/Disposer		
Within the Country	15 01 01	No	26.32	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	1.02	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	2.273	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	96.5	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	33.5	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	0.09	packaging containing residues of or contaminated by dangerous substances	R3	M	Weighed	Offsite in Ireland	Enva,W0184-01	Clonminnam Industrial Estate, Portlaoise, County Laois, Ireland	ENVA,W0184-01, ENVA Ireland, Clonminnam Industrial Estate, Portlaoise, Co Laois, Ireland	ENVA Ireland, Clonminnam Industrial Estate, Portlaoise, Co Laois, Ireland
To Other Countries	16 02 11	Yes	10.62	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	101767, Alexander Dock 1, Bootle, Liverpool, L201BUX United Kingdom	Alexander Dock 1, Bootle, Liverpool, L201BUX United Kingdom
To Other Countries	16 02 14	No	8.101	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	0.063	gases in pressure containers (including halons) containing dangerous substances	R2	M	Weighed	Abroad	Enva,W0184-01	Clonminnam 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	10.62	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components	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	7.86	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	0.0	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	Road, Tallaght, Dublin 4, Ireland		
To Other Countries	20 01 21	Yes	0.314	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,E57757020,Kanalstrasse,64,Rheine,48432,Germany	Kanalstrasse,64,Rheine,48432,Germany
To Other Countries	20 01 27	Yes	0.23	paint, inks, adhesives and resins containing dangerous substances	R2	M	Weighed	Abroad	Enva,W0184-01	Clonminnam Industrial Estate, Portlaoise, County Laois, Ireland	4187 HH,Louis-Krages-Strasse, Bremen,D-28237,Germany	Louis-Krages-Strasse, Bremen,D-28237,Germany
Within the Country	20 01 34	No	0.884	batteries and accumulators other than those mentioned in 20 01 33	R4	M	Weighed	Offsite in Ireland	Enva,W0184-01	Clonminnam Industrial Estate, Portlaoise, County Laois, Ireland		
Within the Country	20 01 35	Yes	24.501	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 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	13.374	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 Est, Dublin, Ireland	101767, Alexander Dock 1, Bootle, Liverpool, L201BUX United Kingdom	Alexander Dock 1, Bootle, Liverpool, L201BUX United Kingdom
Within the Country	20 01 38	No	53.26	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	38.72	metals	R4	M	Weighed	Offsite in Ireland	United Metals,WFP-LK-2013-147A-R1	Eastway Business Park, Ballysimon Road, Limerick, Ireland		
Within the Country	20 02 01	No	12.64	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	571.94	mixed municipal waste	R12	M	Weighed	Offsite in Ireland	Killarney Waste Disposal,W0217-01	Aughacureen, Killarney, County Kerry, Ireland		