

Ray Whelan Ltd
W0-158-01

Annual Environmental Report
2013

All data and information presented in this report has been checked and certified as being accurate. The quality of the information is assured to meet licence requirements.

ANNUAL ENVIRONMENTAL REPORT
January – December 2013.

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1. Introduction.

- 1.1 This Annual Environmental Report (AER) has been prepared by Wood Environmental Management Ltd (WEML) on behalf of Ray Whelan Ltd as required by condition 11.6 and Schedule F of Waste Licence 158-1 issued by the Environmental Protection Agency on 23rd May 2003.

2. Reporting Period.

- 2.1 This Annual Environmental Report (AER) covers the period 1st January to 31st December 2013 inclusive.

3. Waste Activities Carried out at the Facility.

- 3.1 Ray Whelan Ltd operate an authorised waste skip hire, wheelie bin collection and recycling business from premises at Cappanaboe, Co Laois.
- 3.2 Waste Licence 158-1 issued by the EPA on 23rd May 2003 allows Ray Whelan Ltd to carry out the following waste activities at the facility, in accordance with the Waste Management Act, 1996;

Third Schedule of the Waste Management Act, 1996;

- Class 11. Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule:

This activity is limited to the bulking and transfer of waste for disposal off-site.

- 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:

This activity is limited to storage prior to the bulking and transfer of waste for disposal off-site.

Fourth Schedule of the Waste Management Act, 1996;

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

This activity is limited to the segregation of cardboard, paper, wood, plastic and organic waste prior to recovery off-site.

- Class 3. Recycling or reclamation of metals and metal compounds:

This activity is limited to the segregation of steel and metals prior to recovery off-site.

- Class 4. Recycling or reclamation of other inorganic materials:

This activity is limited to the segregation of glass and construction and demolition waste prior to recovery off-site.

- 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:

This activity is limited to the storage of waste prior to recovery off-site.

4. Quantity and Composition of Wastes Recovered, Received and Disposed of During the Reporting Period and Each Previous Year.

- 4.1 Based on figures provided to WEML by Ray Whelan Ltd, Ray Whelan Ltd handled 37,839 tonnes of waste at the facility during the period 1st January – 31st December 2013. This represents an increase of 6,404 tonnes compared to the quantity of waste handled at the facility during 2012 (see Table 1).
- 4.2 Of the 37,839 tonnes of waste handled at the facility in 2013, a total of 6,922 tonnes of waste were disposed of ie. approximately 18.3 % and a total of 23,026 tonnes of waste were recovered/recycled ie. approximately 61 %.

4.3 Approximately 7,441 tonnes of waste (approx. 20%) remained on site at the end of 2013. Table 1 shows the percentage disposal and recycling rates over the period 2004 to 2013.

Table 1. Quantity of Waste Disposed of and Recycled by Ray Whelan Ltd over the period 2004 - 2013.

Year	Total	Disposed	%	Recycled	%
2004	21,525	20,062	93.2	1,463	6.8
2005	26,292	24,588	93.5	1,704	6.5
2006	28,521	23,223	81.4	5,298	18.6
2007	35,167	27,203	77.3	7,964	22.7
2008	28,028	22,863	81.6	5,165	18.4
2009	34,897	28,582	81.9	6,315	18.1
2010	33,004	15,444	46.8	17,506	53.0
2011	32,017	10,728	33.5	19,287	60.2
2012	30,985	7,331	23.7	23,654	76.3
2013	37,389	6,922	18.5	23,026	61.5

4.4 A breakdown of the waste quantities received, recovered and disposed of by Ray Whelan Ltd during 2013 are shown in Tables 2 & 3.

Table 2. Quantity of Waste Received & Disposed of by Ray Whelan Ltd (01/01/13 –31/12/13)

Waste Type	Origin of Waste	EWC Code	Quantity (tonnes)	Destination of Waste	Treatment of Waste
Household (mixed collection)	Carlow Kildare Kilkenny Laois Wicklow	200301	6,429.84	Powerstown Landfill	Disposal
Road Sweepings	Carlow Kildare Kilkenny Laois Wicklow	200303	491.74	Powerstown Landfill	Disposal
Total			6,921.58		

**Table 3. Quantity of Waste Received & Recycled by Ray Whelan Ltd
(01/01/13 –31/12/13)**

Waste Type	Origin of Waste	EWC Code	Quantity (tonnes)	Destination of Waste	Treatment of Waste
Household (mixed collection)	Carlow Kildare Kilkenny Laois Wicklow	200301	12,624.48	Indaver	Recycled
Pretreated Waste	Carlow Kildare Kilkenny Laois Wicklow	191212	5,068.62	Powerstown landfill	Recycled
Mixed Dry Recyclables	Carlow Kildare Kilkenny Laois Wicklow	200301	2,655	Regen	Recycled
Mixed Dry Recyclables	Carlow Kildare Kilkenny Laois Wicklow	200301	1,088	Kilkenny Waste	Recycled
Cardboard	Carlow Kildare Kilkenny Laois Wicklow	191201	626.06	Regen	Recycled
C&D Rubble	Carlow Kildare Kilkenny Laois Wicklow	170101	333.28	Powerstown Landfill	Recycled
Household Food Waste	Carlow Kildare Kilkenny Laois Wicklow	200108	286.6	Waddock Composting	Recycled
Glass	Carlow Kildare Kilkenny Laois Wicklow	200102	98	Glassco	Recycled
Metal	Carlow Kildare Kilkenny Laois Wicklow	200140	89.64	Molloy Metals	Recycled

Table 3. Quantity of Waste Received & Recycled by Ray Whelan Ltd (01/01/13 –31/12/13) continued....

Waste Type	Origin of Waste	EWC Code	Quantity (tonnes)	Destination of Waste	Treatment of Waste
Glass	Carlow Kildare Kilkenny Laois Wicklow	150107	77.96	Glassco	Recycled
Flat Glass	Carlow Kildare Kilkenny Laois Wicklow	170202	42.02	Molloy	Recycled
Metal	Carlow Kildare Kilkenny Laois Wicklow	191202	27.52	Molloy	Recycled
Plastic Packaging	Carlow Kildare Kilkenny Laois Wicklow	150102	8.46	Regen	Recycled
Total			23,025.64		

5. Summary Report of Emissions.

5.1 Waste licence 158-1 requires Ray Whelan Ltd to carry out the following site emissions monitoring.

Table 4. Site Monitoring Requirements.

Condition Ref	Monitoring Required	Nos Locations	Frequency
Schedule D2	Dust Monitoring	D1, D2	Three times a year. Twice during May - September
Schedule D3	Noise Monitoring	N1-N5, NSL1	Annually
Schedule D4	Surface Water Monitoring	SW1	Quarterly
Schedule D4	Waste Water Monitoring	WW1	Bi-Annually
Schedule D5	Ground Water Monitoring	GW1	Annually

5.2 A summary of the site emissions monitoring surveys for 2013 is presented below. Laboratory certificates are available for inspection on Site.

Dust Deposition Results.

5.3 WEML carried out dust deposition surveys at the facility between the periods March – April, June - July and October – November 2013.

5.4 Dust deposition monitoring was based on a modified version of the Bergerhoff method VDI 2119 ‘Measurement of dustfall using the Bergerhoff instrument (standard method)’. Dust results are presented below.

Table 5. Dust Deposition Results (March – April 2013).

Location	Suspended Solids Mg/sample	Dust Deposition mg/m ² /day	Dust Deposition Limit (mg/m ³ /d)
D1 Site Entrance	4.2	2.95 mg/m ² /day	350 mg/m ³ /d
D2 Second Entrance	23.5	16.5 mg/m ² /day	350 mg/m ³ /d
D3 Rear site boundary	18	12.66 mg/m ² /day	350 mg/m ³ /d

5.5 The above dust deposition results are all in compliance with the licence limit of 350g/m²/day.

Table 6. Dust Deposition Results (June – July 2013).

Location	Suspended Solids Mg/sample	Dust Deposition mg/m ² /day	Dust Deposition Limit (mg/m ³ /d)
D1 Site Entrance	6.6	2.88 mg/m ² /day	350 mg/m ³ /d
D2 Second Entrance	22.5	15.83 mg/m ² /day	350 mg/m ³ /d
D3 Rear site boundary	97.8	68.82 mg/m ² /day	350 mg/m ³ /d

5.6 The above dust deposition results are all in compliance with the licence limit of 350 mg/m²/day.

Table 8. Dust Deposition Results (October – November 2013).

Location	Suspended Solids Mg/sample	Dust Deposition mg/m ² /day	Dust Deposition Limit (mg/m ³ /d)
D1 Site Entrance	9.75	5.52 mg/m ² /day	350 mg/m ³ /d
D2 Second Entrance	<6	<3.40 mg/m ² /day	350 mg/m ³ /d
D3 Rear site boundary	28.05	15.90 mg/m ² /day	350 mg/m ³ /d

5.7 The above dust deposition results are all in compliance with the licence limit of 350 mg/m²/day.

Noise Results.

5.8 WEML carried out a noise monitoring survey at the facility on 8th June 2013. Noise monitoring was carried out to the International Standard ISO 1996/1 “Acoustics – Description & measurement of environmental noise” using a calibrated Sound Level Meter.

5.9 Monitoring was carried out over a typical day. Weather conditions during sampling were mixed with little wind. Ray Whelan Ltd do not operate the site at night-time, therefore noise monitoring was not carried out overnight.

5.10 During monitoring, there was typical activity taking place on site. The monitoring equipment was manned throughout the sampling period and comments/notes taken to assist the interpretation and assessment of results.

5.11 Sampling was carried out at the following five boundary locations;

- N1 Site entrance.
- N2 Second site entrance.
- N3 Rear corner site boundary (opposite second site entrance).
- N4 Outside transfer station building.
- NSL1 Outside closest house to the facility.

5.12 Noise monitoring results are summarised below.

Table 8. Summary of Site Boundary Noise Levels.

Location	Start Time	LAeq	Comments
N1	10:45	50.6	Site open. No yard activities. Noise from birds singing & passing traffic.
N2	11:20	51.0	Site operational, deliveries to yard. Noise from birds singing & passing traffic.
N3	12:30	42.3	Site operational, deliveries to yard. Noise from birds singing & passing traffic.
N4	11:55	43.2	Site operational, deliveries to yard. Noise from birds singing & passing traffic.

Table 9. Summary of Sensitive Locations Noise Levels.

Location	Start Time	LAeq	Comments
NSL1	13:10	60.0	Site operational, deliveries to yard. Noise from birds singing & passing traffic

5.13 The above results show that during the survey, the noise level recorded at the closest sensitive location (NSL1) was above the waste licence daytime noise limit of 55 dB(A) L_{Aeq} . Noise levels at this location was impacted by passing traffic.

5.14 There are no complaints of noise from the residents at the closest sensitive receptor (NSL1) due to operation of the Ray Whelan Ltd facility. WEML therefore concludes that based on the above survey, noise levels from the Ray Whelan Ltd facility do not cause a significant noise nuisance at sensitive locations beyond the site boundary.

Surface Water Monitoring Results.

5.15 Waste licence 158-1 requires Ray Whelan Ltd to carry out quarterly surface water sampling and monitoring for the following analysis;

- pH
- Conductivity
- BOD
- Suspended Solids
- Ammonia
- Mineral Oils

5.16 All site yard run off water is diverted to the underground 'blind' waste water collection sump prior to collection and disposal off site. There is no point discharge of yard surface water from the site.

5.17 Bi annual water samples were taken from the underground wastewater holding tank and tested for a range of analyses as presented below.

Waste Water Monitoring Results.

5.18 Waste licence 158-1 requires Ray Whelan Ltd to carry out bi-annual waste water sampling and monitoring for the following analysis;

- pH
- BOD
- COD
- Suspended Solids
- Ammonia
- Mineral Oils
- Fats, Oils, Grease

5.19 As detailed above, the site drainage infrastructure diverts all site run off and waste water in to the waste water collection sump prior to collection and disposal off site.

5.20 WEML took samples of the combined surface water and waste water in April and July 2013. The results of the combined surface water and waste water analyses are shown in Table 10 below.

Table 10. Summary of Combined Surface Water Waste & Water Analyses.

Parameter	Sample 1 April 2013	Sample 2 July 2013
pH Units	7.04	7.13
BOD mg/l	324	257
COD mg/l	4,040	645
Suspended Solids mg/l	1,310	292
Ammonia mg/l	21.2	26.4
Mineral Oils µg/l	130,000	18,700
Fats, Oils & Grease mg/l	25.7	63.4

5.21 There are no waste water quality limits set down in waste licence 158-1. The elevated mineral oils concentrations in the effluent samples are likely a result of washing commercial bins from take aways. The contents of the waste water storage tank are tankered off site for disposal as required by condition 3.12 of the waste licence. The above data is useful when arranging sub-contractors to empty and dispose of the contents of the waste water sump when required.

Ground Water Monitoring Results.

5.22 Waste Licence 158-1 requires Ray Whelan Ltd to carry out annual ground water sampling and monitoring for the following analysis;

- pH
- Conductivity
- Ammonia
- Mineral Oils

5.23 A groundwater sampling well was installed at the facility in early 2005. WEML sampled the groundwater on 23rd November 2013. The results are presented below.

Table 11. Summary of Groundwater Sampling Results (2013).

Ref	pH units	Conductivity ms/cm @ 25°C	Ammonia mg/l	Mineral Oils µg/l
GW1	7.43	0.537	0.854	<1
EPA Limit	No limit Set	No limit Set	No limit Set	No limit Set
Compliance	No	No	No	No

5.24 There are no groundwater quality limits set down in waste licence 158-1. However the above data will be useful when comparing and monitoring future groundwater quality data at the site.

6. Summary of Monitoring Results & Location Plan Showing Monitoring Locations.

6.1 A discussion and interpretation of the 2013 site monitoring data is presented in Section 5 above. A site map showing the location of monitoring points is presented in Figure 1.

7. Resource & Energy Consumption Summary.

7.1 The main resource used by Ray Whelan Ltd is diesel for fueling the waste collection vehicles, site waste handling and processing equipment. The total quantity of road diesel used by Ray Whelan Ltd during 2013 was 854,000 litres. This represents an increased usage of approximately 5% compared to 2012.

- 7.2 Electricity was connected to the site in November 2007. Site water (non potable) is provided by an onsite borehole.
- 7.3 An approximate breakdown of the resources used by Ray Whelan Ltd in 2013 is shown in the following table.

Table 12. Summary of Resources & Energy Use (2013).

Resource/Fuel	Use	Approximate Quantity
Road Diesel	Diesel for Lorries	854,000 litres
Green Diesel	Site Machinery/Equipment	40,200 litres
Hydraulic Oil	Lorries	5,300 litres
Engine Oil	Lorries	4,100 litres
Transmission Oil	Lorries	1,600 litres
Lubricants	Servicing Lorries	22 kgs
Electricity	Site Power	17,230 units

8. Development/Infrastructure Works.

- 8.1 All site infrastructure works as detailed in Condition 3 and Schedule B of Waste Licence 158-1 has been installed as required.

9. Schedule of Environmental Objectives for 2014.

- 9.1 Ray Whelan Ltd has developed a schedule of Environmental Objectives & Targets for the period 2014. This schedule is presented in Table 13 below.

Table 13. Register of Environmental Objectives & Targets (2014).

	OBJECTIVES	TARGETS
1	Assess and reduce where possible all dust emissions.	Not to exceed 350 mg/m ² /day in order to reduce the possibility of causing dust deposition nuisance beyond site boundary.
2	Assess and reduce where possible all site noise emissions.	Not to exceed 55 db(a) L _{Aeq} (30 minutes) during day time at noise sensitive locations in order to reduce the possibility of causing noise nuisance at noise sensitive locations beyond the site boundary.
3	Assess and improve where possible surface water and waste water emissions	Compliance with waste licence quality limits and to ensure that there are no surface water pollution incidents.
4	Assess and improve where possible groundwater quality	Compliance with waste licence quality limits and to ensure that there are no groundwater pollution incidents.

Table 13. Register of Environmental Objectives & Targets (2014).

	OBJECTIVES	TARGETS
5	Increase waste recycling rates	Investigate/implement options to increase waste recycling, including brown bin collections/ organic waste recycling, onsite processing.
6	Ensure that nuisance condition do not arise on site or beyond the site boundary.	Compliance with condition 7 of waste licence 158-1
7	Install and maintain site infrastructure/Specified Engineering Works	Compliance with condition 3 and Schedule B of waste licence 158-1
8	Develop and implement a site environmental management system (EMS)	Compliance with condition 2.3 of waste licence 158-1
9	Ensure that all staff receive appropriate environmental training	Compliance with condition 2.3.2.4 of waste licence 158-1
10	Strive to maintain environmental improvements and legal obligations	To meet all legal and waste licence requirements.

10. Progress on Environmental Objectives in Previous AER (2013).

10.1 Ray Whelan Ltd established a register of Environmental Objectives & Targets for 2013 which are similar to the above Environmental Objectives & Targets set for 2014.

10.2 Progress on meeting the 2013 Environmental Objectives & Targets are summarised in Table 14 below.

Table 14. Progress of 2013 Environmental Objectives & Targets.

	OBJECTIVES	TARGETS	PROGRESS
1	Assess and reduce where possible all dust emissions.	Not to exceed 350 mg/m ² /day in order to reduce the possibility of causing dust deposition nuisance beyond site boundary.	This target was achieved. Surveys show that dust emissions did not exceed 350 mg/m ² /day in 2013.
2	Assess and reduce where possible all site noise emissions.	Not to exceed 55 db(a) L _{Aeq} (30 minutes) during day time at noise sensitive locations in order to reduce the possibility of causing noise nuisance at noise sensitive locations beyond the site boundary.	Although noise levels in 2013 at the closest sensitive receptor were above the licence limits, there are no noise nuisance complaints associated with the site.

**Table 14. Progress of 2013 Environmental Objectives & Targets
(continued...)**

	OBJECTIVES	TARGETS	PROGRESS
3	Assess and improve where possible surface water and waste water emissions	Compliance with waste licence quality limits and to ensure that there are no surface water pollution incidents.	There are no direct surface water discharges from the site. All site run off and waste water is diverted to the waste water sump prior to collection and disposal off site.
4	Assess and improve where possible groundwater quality	Compliance with waste licence quality limits and to ensure that there are no groundwater pollution incidents.	This target was achieved. Groundwater monitoring was carried out in 2013.
5	Ensure that nuisance condition do not arise on site or beyond the site boundary.	Compliance with condition 7 of waste licence 158-1	This target was achieved. A nuisance inspection procedure was established and implemented at the site in 2006. There were no recorded complaints about nuisance conditions at the site in 2013.
6	Install and maintain site infrastructure/ Specified Engineering Works	Compliance with condition 3 and Schedule B of waste licence 158-1	All specified engineering works were completed in 2006, 2007 and 2008.
7	Develop and implement a site environmental management system (EMS)	Compliance with condition 2.3 of waste licence 158-1	This target was achieved. A series of written site operating procedures were established and implemented at the site in 2007.
8	Ensure that all staff receive appropriate environmental training	Compliance with condition 2.3.2.4 of waste licence 158-1	This target was achieved. Relevant staff training was carried out in 2011.
9	Strive to maintain environmental improvements and legal obligations	To meet all legal and waste licence requirements.	There were no reported waste licence non-conformances identified by the EPA during 2013.

11. Written Site Procedures.

11.1 Ray Whelan Ltd has developed a register of written site procedures as detailed in previous AER's. These procedures are available for inspection on site if required.

12. Tank, Drum, Pipeline & Bund Testing Report.

12.1 There were no tests of tanks, drums, pipelines and bunds carried out in 2013 and there are no results/data available.

13. Reported Incidents & Complaints Summary.

13.1 There were no reported or recorded incidents/complaints in relation to the operation of the facility during the reporting period.

14. Review of Nuisance Controls.

14.1 Ray Whelan Ltd has a written procedure (EOP 017) to monitor potential nuisance conditions at the facility in order to comply with conditions 7 and 8.8.1 of Waste Licence 158-1, including;

- vermin
- birds
- mud
- dust
- litter
- odours

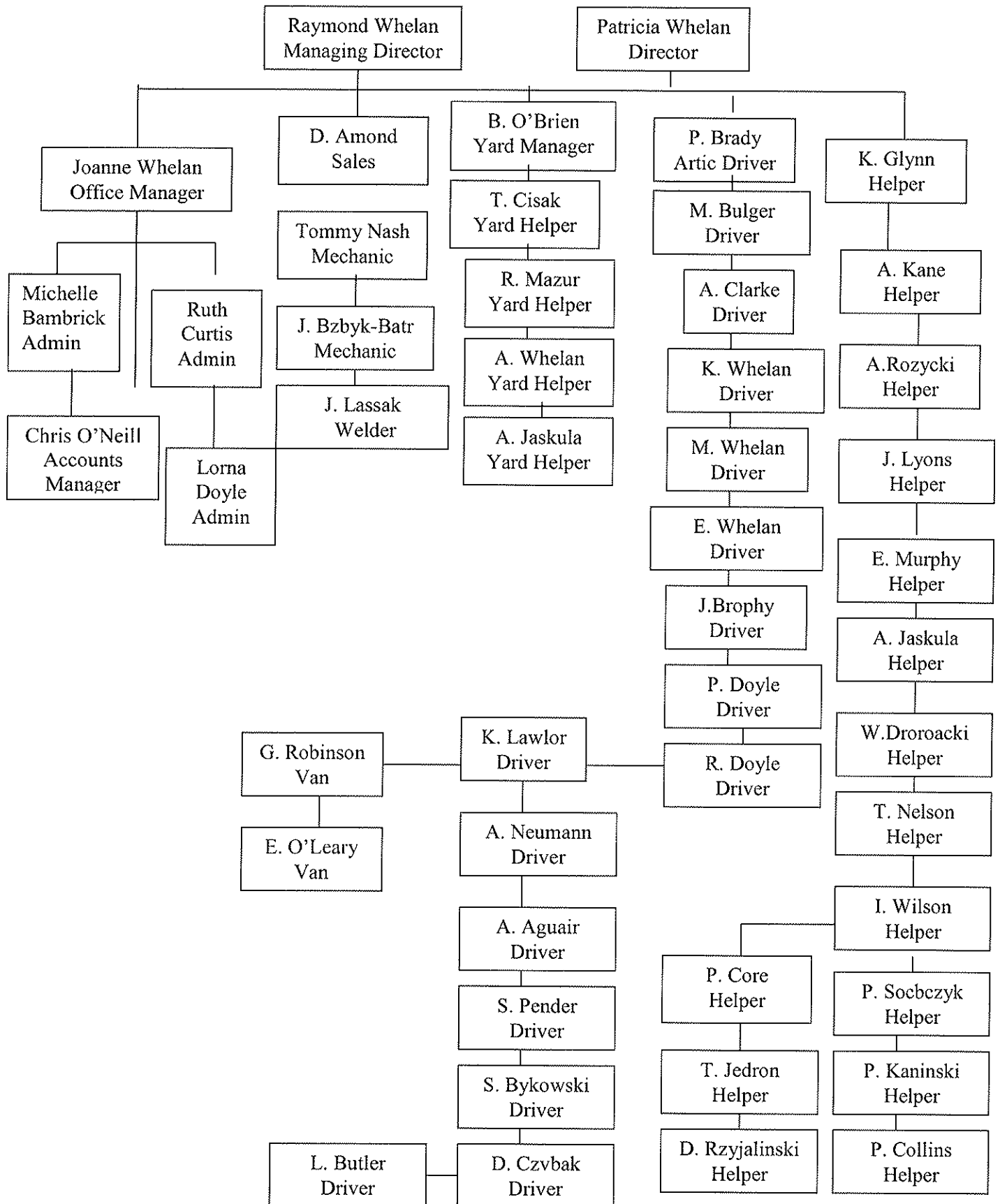
14.2 At a minimum of weekly intervals (or sooner if required), Ray Whelan Ltd site staff carry out an inspection of the yard, access roads and surround area for potential nuisance conditions caused by any of the above issues.

14.3 Any potential nuisance conditions are addressed and rectified as soon as possible. Site inspections and actions taken are recorded on a weekly inspection sheet that is available at the site office for inspection if required.

15. Financial Provision, Management Structure & Public Information.

15.1 Ray Whelan Ltd management will make available all the necessary finances, resources and manpower required in order to ensure that the conditions of waste licence 158-1 are met. Furthermore, Ray Whelan Ltd management are committed to providing the necessary finances and resources in order to achieve the companys' stated Environmental Objectives and Targets.

- 15.2 Ray Whelan Ltd prepared and submitted to the Agency a comprehensive and fully costed environmental liabilities risk assessment (ELRA) in August 2005 as required by condition 12.2.1 of waste licence 158-1. The ELRA included a proposal for financial provision.
- 15.3 The management & staffing structure at Ray Whelan Ltd during 2013 is outlined below.



15.4 All information relating to the environmental performance of the facility, including emissions monitoring reports, waste licence conditions, incidents, complaints, operating procedures etc are available for public inspection at the site by prior arrangement. Furthermore, all reports, information and documents submitted by Ray Whelan Ltd to the Agency are available for public consultation and review.

16. Volume of Waste Water Produced and Volume Transported Off Site.

16.1 A total of approximately 159 m³ of waste water was collected from the sump during 2013. The sump was emptied by a third party contractor and disposed of at Athy sewage treatment works.

17. Any Other Items Specified by the Agency.

17.1 There were no other items specified by the Agency during 2013 that require incorporation into this AER. This section is not applicable.

2013 PRTR Workbook



Environmental Protection Agency

| PRTR# : W0158 | Facility Name : Ray Whelan Ltd | Filename : W0158_2013.xls | Return Year : 2013 |

31/03/2014 14:36

Guidance to completing the PRTR workbook

AER Returns Workbook

Version 1.1.18

REFERENCE YEAR	2013
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1. FACILITY IDENTIFICATION

Parent Company Name	Ray Whelan Limited
Facility Name	Ray Whelan Ltd
PRTR Identification Number	W0158
Licence Number	W0158-01

Waste or IPPC Classes of Activity

No.	class_name
3.13	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.
3.11	Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.
4.13	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.
4.2	Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes).
4.3	Recycling or reclamation of metals and metal compounds.
4.4	Recycling or reclamation of other inorganic materials.
Address 1	Waste Services
Address 2	Cappanaboe
Address 3	Co Laois
Address 4	
	Laois
Country	Ireland
Coordinates of Location	-6.96733 52.8735
River Basin District	IESE
NACE Code	3821
Main Economic Activity	Treatment and disposal of non-hazardous waste
AER Returns Contact Name	Andy Wood
AER Returns Contact Email Address	awood@wem.ie
AER Returns Contact Position	Consultant
AER Returns Contact Telephone Number	0872854171
AER Returns Contact Mobile Phone Number	0872854171
AER Returns Contact Fax Number	012945613
Production Volume	0.0
Production Volume Units	
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	30
User Feedback/Comments	Lower volume of waste water was generated on site in 2013 compared to 2012
Web Address	

2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
5(c)	Installations for the disposal of non-hazardous waste
5(c)	Installations for the disposal of non-hazardous waste
50.1	General

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

Is it applicable?	No
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)?	No
---	----

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

No. Above 1	POLLUTANT Name	METHOD		Please enter all quantities in this section in Kg	
		M/C/E	Method Code	A (Accidental) KG/Year	F (Fugitive) KG/Year
				0.0	0.0
				0.0	0.0

SECTION B : REMAINING PRTR POLLUTANTS

No. Above 1	POLLUTANT Name	METHOD		Please enter all quantities in this section in Kg	
		M/C/E	Method Code	A (Accidental) KG/Year	F (Fugitive) KG/Year
				0.0	0.0
				0.0	0.0

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

Pollutant No.	Pollutant Name	METHOD		Please enter all quantities in this section in Kg	
		M/C/E	Method Code	A (Accidental) KG/Year	F (Fugitive) KG/Year
210	CH4	M	AL1	0.001	0.015
				0.004	0.01
				0.004	0.01

Additional Data Requested from Landfill operators

M/C/E	Method Code	Designation or Description	Please enter all quantities in this section in Kg	
			Emission Point 1	Emission Point 2
		Land Analysis	0.001	0.004
			0.001	0.004

Additional Data Requested from Landfill operators

M/C/E	Method Code	Designation or Description	Please enter all quantities in this section in Kg	
			Emission Point 1	Emission Point 2
		Land Analysis	0.001	0.004
			0.001	0.004

Additional Data Requested from Landfill operators

M/C/E	Method Code	Designation or Description	Please enter all quantities in this section in Kg	
			Emission Point 1	Emission Point 2
		Land Analysis	0.001	0.004
			0.001	0.004

Additional Data Requested from Landfill operators

M/C/E	Method Code	Designation or Description	Please enter all quantities in this section in Kg	
			Emission Point 1	Emission Point 2
		Land Analysis	0.001	0.004
			0.001	0.004

Additional Data Requested from Landfill operators

M/C/E	Method Code	Designation or Description	Please enter all quantities in this section in Kg	
			Emission Point 1	Emission Point 2
		Land Analysis	0.001	0.004
			0.001	0.004

Additional Data Requested from Landfill operators

M/C/E	Method Code	Designation or Description	Please enter all quantities in this section in Kg	
			Emission Point 1	Emission Point 2
		Land Analysis	0.001	0.004
			0.001	0.004

Additional Data Requested from Landfill operators

M/C/E	Method Code	Designation or Description	Please enter all quantities in this section in Kg	
			Emission Point 1	Emission Point 2
		Land Analysis	0.001	0.004
			0.001	0.004

Additional Data Requested from Landfill operators

M/C/E	Method Code	Designation or Description	Please enter all quantities in this section in Kg	
			Emission Point 1	Emission Point 2
		Land Analysis	0.001	0.004
			0.001	0.004

Additional Data Requested from Landfill operators

M/C/E	Method Code	Designation or Description	Please enter all quantities in this section in Kg	
			Emission Point 1	Emission Point 2
		Land Analysis	0.001	0.004
			0.001	0.004

Additional Data Requested from Landfill operators

M/C/E	Method Code	Designation or Description	Please enter all quantities in this section in Kg	
			Emission Point 1	Emission Point 2
		Land Analysis	0.001	0.004
			0.001	0.004

Additional Data Requested from Landfill operators

M/C/E	Method Code	Designation or Description	Please enter all quantities in this section in Kg	
			Emission Point 1	Emission Point 2
		Land Analysis	0.001	0.004
			0.001	0.004

Additional Data Requested from Landfill operators

M/C/E	Method Code	Designation or Description	Please enter all quantities in this section in Kg	
			Emission Point 1	Emission Point 2
		Land Analysis	0.001	0.004
			0.001	0.004

Additional Data Requested from Landfill operators

M/C/E	Method Code	Designation or Description	Please enter all quantities in this section in Kg	
			Emission Point 1	Emission Point 2
		Land Analysis	0.001	0.004
			0.001	0.004

Additional Data Requested from Landfill operators

M/C/E	Method Code	Designation or Description	Please enter all quantities in this section in Kg	
			Emission Point 1	Emission Point 2
		Land Analysis	0.001	0.004
			0.001	0.004

4.3 RELEASES TO WASTEWATER OR SEWER

LINK TO PREVIOUS YEAR'S EMISSIONS: 4952

PRTR: 43438 (Facility Name: R. W. Anderson Facility, 74950, 2019, 01, 01, 00:00:00)

11/02/2019 14:38

SECTION A : PRTR POLLUTANTS

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTEWATER TREATMENT OR SEWER

Please enter all quantities in this section in KGs

Pollutant Name	MPEC	Method Code	Designation or Description	QUANTITY		
				T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
				0.0	0.0	0.0

SECTION B : REMAINING POLLUTANT EMISSIONS (as required in user license)

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTEWATER TREATMENT OR SEWER

Please enter all quantities in this section in KGs

Pollutant Name	MPEC	Method Code	Designation or Description	QUANTITY		
				T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
249 Ammonia (as N)	M	ALT	Lab Analysis	3.78	0.0	0.0
303 BOD	M	ALT	Lab Analysis	46.19	0.0	0.0
304 COD	M	ALT	Lab Analysis	37.05	0.0	0.0
311 Fab. Oil and Grease	M	ALT	Lab Analysis	7.66	0.0	0.0
312 Mineral Oil	M	ALT	Lab Analysis	23.64	0.0	0.0
315 Suspended Solids	M	ALT	Lab Analysis	127.35	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

Please enter all quantities on this sheet in Tonnes

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Licence/Permit No of Recipient/Disposer	Name and Address of Final Receiver/ Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination ie. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
						MAC/E	Method Used				
Within the Country	16 01 20	No	77.66 glass		R3	M	Weighted	Offsite in Ireland	Glassco WP 247/2006 Glassco WP 247/2006	... Neas Co Kildare ... Ireland... Neas Co Kildare ... Ireland... Neas Co Kildare ... Ireland... Neas Co Kildare ... Unit 7, Cambane Ind Estate, Shephards Drive, Newry Co Down, Ireland	
To Other Countries	15 01 02	No	6.46 plastic packaging mixture of concrete, bricks, tiles and ceramics other than those mentioned in 17		R3	M	Weighted	Abroad	Regen TBC		
Within the Country	17 01 07	No	333.28 01 06		R5	M	Weighted	Offsite in Ireland	Carlow CC, Powerstown landfill		
To Other Countries	19 12 01	No	626.06 paper and cardboard		R3	M	Weighted	Abroad	Regen TBC		
Within the Country	19 12 02	No	27.52 ferrous metal		R4	M	Weighted	Offsite in Ireland	Molloy Metals, TBC	... Fems, Co Wexford, Ireland	
Within the Country	20 01 02	No	96.0 glass		R5	M	Weighted	Offsite in Ireland	Glassco WP 247/2006 Glassco WP 247/2006	... Neas Co Kildare ... Ireland... Neas Co Kildare ... Ireland... Neas Co Kildare ... Kildare ... Ireland... Neas Co Kildare ... Ireland... Neas Co Kildare ... Co Kildare ... Ireland... Neas Co Kildare ... Ireland... Neas Co Kildare ... Unit 7, Cambane Ind Estate, Shephards Drive, Newry Co Down, Ireland	
Within the Country	17 02 02	No	42.02 glass		R5	M	Weighted	Offsite in Ireland	Molloy Metals, TBC	... Fems, Co Wexford, Ireland	
Within the Country	20 01 08	No	286.6 biodegradable kitchen and canteen waste		R3	M	Weighted	Offsite in Ireland	Waddock Composting TBC	... Fems, Co Wexford, Ireland	
Within the Country	20 01 40	No	89.64 metals (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19		R4	M	Weighted	Offsite in Ireland	Molloy Metals, TBC	... Fems, Co Wexford, Ireland	
Within the Country	19 12 12	No	5088.62 12 11		R5	M	Weighted	Offsite in Ireland	Carlow CC, Powerstown landfill		
To Other Countries	20 03 01	No	2655.0 mixed municipal waste		R3	M	Weighted	Abroad	Regen TBC		
Within the Country	20 03 01	No	1086.0 mixed municipal waste		R3	M	Weighted	Offsite in Ireland	Kilkenny Waste TBC		
Within the Country	20 03 01	No	6429.84 mixed municipal waste		D1	M	Weighted	Offsite in Ireland	Carlow CC, Powerstown landfill		
Within the Country	20 03 03	No	491.74 street-cleaning residues		D1	M	Weighted	Offsite in Ireland	Carlow CC, Powerstown landfill		
Within the Country	20 03 01	No	12624.48 mixed municipal waste		R1	M	Weighted	Offsite in Ireland	Indaver, Indaver		

* Subject to newly submitted description of waste from 1st/4/2016 please submit

[Link to previous years waste data](#)
[Link to previous years waste summary data & percentage change](#)
[Link to Waste Guidance](#)