

Your ref	W0197-02
Our ref	WAL001
Direct line	052 91 55978 / 086 3348141
Fax	052 91 55978
Email	heather.loughlin@fraoch.ie
Date	19 May 2011

Mr John Gibbons
The Environmental Protection Agency
Office of Environmental Enforcement
Regional Inspectorate
John Moore Road
Castlebar
County Mayo

Dear Mr Gibbons

**Annual Environmental Report 2010
Waste Licence Register No: W0197-02 (Wallace Recycling)**

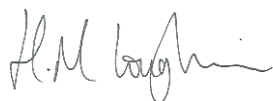
Please find enclosed an original and two copies of Wallace Recycling's 2010 AER, submitted on behalf of Wallace Recycling Ltd.

This amended version replaces the AER previously sent to you by Susan Murray at Wallace Recycling.

I confirm that the full PDF AER uploaded to the EPA website is a true copy of the original AER.

If you have any queries in relation to the above, please don't hesitate to contact me.

Yours sincerely



Heather Loughlin
Principal Consultant

Wallace Recycling

Annual
Environmental
Report 2010

W0197-02

Contents

A. Introduction	
B. Technical Amendment & other changes	
C. Environmental Policy Statement	
D. Organisational Chart	
1. Summary Information	
1.1 Emissions from facility	
1.1.1 Dust monitoring	
1.1.2 Emissions to sewer	
1.1.3 Noise monitoring	
2. Waste Management Activities	
2.1 Waste Types	
2.2 Waste Management Record 2010	
3. Resource Consumption Summary	
4. Environmental Incidents & Complaints	
5. Schedule of objectives & targets and EMP	
6. EMP - proposal for 2010	
7. Pollution Release and Transfer Register	
8. Drawing of monitoring locations	
9. Tank & pipeline testing & inspection report	
10. Energy efficiency audit report summary	
11. Report of the assessment of the efficiency of use of raw materials in processes & the reduction of waste generated	
12. Report on progress made & proposals being developed to minimise water demand & the volume of trade effluent discharge	
13. Development/ Infrastructure works summary (completed in the previous yr or prepared for the current yr.)	
14. Reports on management & staffing structure of the facility, and a programme for public information	
15. Review of closure, restoration & aftercare management plan	
16. Environmental liabilities statement	
17. Any other items specified by the EPA	
<i>Appendices</i>	
Appendix 1 Monitoring Locations	
Appendix 2 PRTR	

A. INTRODUCTION:

This is the fifth annual environmental report for Wallace Recycling Ltd, Unit 16/17 Mullingar Business Park, Mullingar, Co. Westmeath in relation to the Waste Licence WO197- 01 issued on 14th September 2005, amendment WO 197-01 S42B (1) Amendment A granted on 11th July 2007) and as per the new licence WO197-02 issued 12th October 2009. This report covers the twelve months of the calendar year for 2010.

The Wallace Recycling Facility is located in an Industrial area of Mullingar Business Park, Co. Westmeath. Michael & Linda Wallace have successfully operated Wallace Recycling Ltd at the current site since 2000. The licensed area now encompasses approximately 2.00 acres. Wallace Recycling Ltd is the only EPA waste licensed facility in County Westmeath; as such it is a key facility in terms of compliance with the requirements of the Waste Management Plan for the Midlands region. Wallace Recycling provide waste management and recycling services to most of County Westmeath and surrounding counties. Wallace Recycling have continually improved their waste and recycling facility through the introduction of new plant, IT facilities, buildings and the provision of a civic amenity area to facilitate the public when the nearby Marlinstown facility closed at the start of 2007. The content of the AER is based on Schedule F of the Waste Licence and the report format follows guidelines set in the “Guidance Note for Annual Environmental Report” issued by the Environmental Protection Agency.

The Waste Licence allowed Wallace Recycling Ltd to accept Household, Commercial & Industrial and Construction & Demolition non-hazardous waste and End of Life vehicles onsite or dispatch from site between the hours of 07:30 to 19:30 Monday to Saturday inclusive. The facility is licensed to be operated during the hours of 07:00 to 23:00 Monday to Saturday inclusive. The various waste streams are processed and stored on-site pending removal to authorised offsite recycling and disposal facilities.

The annual waste throughput is limited to 50,000 tonnes. Waste is mechanically sorted and segregated via a Trommel and semi automatic picking line; larger items are picked by hand. Sorted recyclable material is further processed at the facility i.e. shredded or baled prior to being transported off-site for recovery. Non-recyclable waste is stored on site prior to being transported off-site for disposal at licensed facilities.

Wallace Recycling Ltd services include:

- Mini, Standard, Open/Closed Skip Hire;
- Roll-on, Roll-off Skip Hire;
- Domestic Tag-A-Bin refuse/recycling kerbside collection;
- Recycling (Bags) Kerbside collection;
- Commercial & Industrial Bin collections;
- Office recycling collections;
- Authorised Treatment Facility (ATF) for End of Life Vehicles
- A centrally located one-stop-shop waste transfer station.

B. TECHNICAL AMENDMENT & OTHER CHANGES:

A Technical Amendment was approved in 2007, along with some other changes which allow for the following amendments to the Waste Licence WO-197-02:

1. Acceptance of Scrap Metal

Wallace Recycling is permitted to accept scrap metal and the intake of this waste stream has been introduced to our facility during 2010.

2. Trade Effluent Monitoring

In the Waste licence W197-02 the frequency of monitoring for the Trade Effluent is unnecessary due to the results which have been obtained during 2010. We have investigated this issue by reviewing a selection of waste licences on the EPA website with the normal frequency for monitoring of water emissions would appear to be quarterly.



Other Changes

Management Structure

There has been a re-hash in the Management Structure during August 2010. The new management structure can be found on page 5 of this AER.

C. ENVIRONMENTAL POLICY STATEMENT

WALLACE
RECYCLING LTD



Unit 18/17, Mullingar Business Park,
Mullingar, Co. Westmeath
Tel: 044-47177 Fax: 044-34795
Email: wallacerecycling@eircom.net
Website: www.wallacerecycling.com

Commercial & Domestic: Wheelie Bin Service,
Skip Hire, Waste Management
& Recycling Specialists

ENVIRONMENTAL POLICY STATEMENT

Wallace Recycling Ltd is a recycling and waste management company. Established in 1995, the company is a market leader in providing waste collection and recycling services to domestic, industrial and commercial clients. Wallace Recycling Ltd operate a waste transfer and recycling facility at Mullingar Business Park, Mullingar, Co Westmeath. This site provides facilities for handling and recycling wastes from a wide range of sources.


Wallace Recycling Ltd operations have a positive environmental impact and help Irish households and industry to effectively manage and recycle their wastes. However, we are aware of the need to reduce the environmental impact of waste disposal and the over-reliance of landfill as a waste disposal option.

Consequently, Wallace Recycling Ltd regard recycling, waste minimisation and environmental protection as an ongoing and essential part of our business. We will therefore take all reasonable steps to assist our clients to reduce the quantities of waste disposal to landfill and ensure that our own operations do not have a negative impact on the environment.

Wallace Recycling Ltd will strive to meet these commitments by:

- conforming to relevant environmental standards, licences and legislation relating to our business,
- continually improving our operations by setting and reviewing environmental objectives and targets,
- preventing pollution from our transfer and recycling facility by monitoring and assessing our activities and emissions,
- reviewing options to recycle waste and divert from landfill disposal,
- assisting our clients to segregate and make their wastes available for recycling,
- communicating our environmental policy to all employees and ensuring that they have the knowledge, resources and authority to implement this policy,
- ensuring that the proper managerial, technical and administrative controls shall operate in order to enable this policy to be maintained at all levels,
- making our environmental policy available to the public and interested parties.

Whilst all Wallace Recycling Ltd employees have a duty to ensure that our operations do not cause environmental pollution, the overall responsibility for environmental protection lies with the Managing Director.

Signed: 
Michael Wallace
Managing Director
Wallace Recycling Ltd Date: January 2005

Directors: M. Wallace & L. Wallace Printed on Recycled Paper

D. WALLACE RECYCLING ORGANISATIONAL CHART

Managing Director
Michael Wallace

Director
Linda Wallace

General/Operations Manager
Susan Murray

Credit Controller
Tom Griffiths

Office Administration & Accounts

Sales Team

Drivers & Yard Operatives

1. SUMMARY INFORMATION

1.1 EMISSIONS FROM FACILITY

Wallace Recycling Ltd implements an environmental monitoring programme to assess the significance of emissions from our facility activities. The programme includes dust monitoring, emissions to sewer and noise monitoring. The monitoring locations are shown on Drawing No. Map J.1 Site Monitoring Locations in Appendix 1.

An overview of the results of the monitoring is presented in this section, with summary data in tables also included. The results are discussed in the context of the impact of the emissions on the environment and compared with available data on background and/or ambient conditions.

1.1.1 Dust Monitoring

Wallace Recycling Ltd is required to conduct quarterly dust monitoring using the Bergerhoff method at on-site locations (DS-1, DS-2, DS-3 & DS-4). The licence requirement to monitor dust on a quarterly basis was not fully met as monitoring fell behind schedule after the departure of the Environmental Officer.

The monitoring that was conducted for dust in May 2010 showed that the dust deposition limit (350mg/m³/day) was exceeded at DS1 and DS2 monitoring locations. This exceedance of the limits can be put down to the lack of sweeping and spraying near the site entrance and impervious areas of the facility. Since these results a procedure has been developed as part of the EMS procedures manual EOP 026. Since the introduction of this procedure the dust deposition has reduced greatly as can be seen in the analysis results for October and November. The results of the dust monitoring performed are included in Table 1.1 below.

Table 1.1.1.1 Results of Dust Monitoring 2010:

Licence Limit mg/m ³ /day	Sampling location	June 2010 - mg/m ³ /d
350	D1	393.19
350	D2	386.60
350	D3	112.58
350	D4	N/A

Licence Limit mg/m ³ /day	Sampling location	October 2010 - mg/m ³ /d
350	D1	256.7
350	D2	49.8
350	D3	37.0
350	D4	N/A

Licence Limit mg/m ³ /day	Sampling location	November 2010 - mg/m ³ /d
350	D1	52.4
350	D2	42.5
350	D3	59.1
350	D4	27.0

30 day composite sample with the results expressed as mg/m³ /day.

A programme has been put in place to ensure dust levels are monitored each quarter as required in 2011. Dust monitoring conducted previously has indicated that the dust levels were below the dust deposition limit.

1.1.2 Emissions to Sewer Monitoring

Schedule C C.3.2 Monitoring of Emissions to Sewer of W0-197-02 states that the following parameters must be monitored: *Volume to be emitted:* Maximum in any 1 day: 10m³; Maximum rate per hour: 5m³

Parameter	Monitoring Frequency	Analysis Method/ Technique
Flow	Continuous	On line flow meter
Temperature	Continuous	On line temperature probe
pH	Continuous	Ph electrode
COD	Daily	Standard method
BOD	Weekly	Standard method
Suspended Solids	Monthly	Gravimetric
Oils, fats and greases	Monthly	Standard method
Diesel Range Organics	Monthly	Standard method

The frequency of monitoring of COD, BOD, Suspended Solids, Oils, Fats & Greases and Diesel Range Organics in W0-197-02 were seen by Wallace Recycling Ltd as being particularly onerous and difficult to measure due to a lack of flow. Having reviewed a

number of IPC licences available on the EPA website, the normal frequency for monitoring of water emissions would appear to be quarterly. This has been highlight and discussed with the EPA on various occasions. This was also discussed during a site visit on the 31st of August 2010. This conversation resulted in monitoring continuing until January 2011. The monitoring results will then be assessed with a possible change to the licence.

Effluent monitoring analysis results for 2010 are contained in the table below:

Parameter	Waste Licence Limit Daily Mean Concentration (mg/l)	Average Results for the analysis conducted in 2010
pH	6 – 8	7.2
BOD	100	12.4
COD	250	50.4
Temperature	N/A	N/A
Suspended Solids	50	10.5
Oils Fats & Grease	10	4.6
Diesel Range Organics	2	0.03

1.2 Noise Monitoring

A noise monitoring survey was performed by Euro Environmental Consultants in May 2010. Environmental noise was monitored at the following locations at the Wallace Recycling site on 6th May 2009: N1, N2, N3, N4, N5, N6 and N7. Normal activities were in operation during the day-time survey period. See noise monitoring location map in Appendix 1

Daytime noise arose on the site from the ingress and egress of vehicles, movement of plant about the site and the generation of process noise from the segregation of waste within the materials recycling building. Other contributing sources included traffic movements on the Mullingar Business Park Road. During the night-time monitoring period the main source of noise was deemed to be the Mullingar Business Park Road and to a certain degree from the R390. Noise levels were compared to those as set out in EPA Waste Licence number W0197-02 which states that ambient/daily noise levels should not exceed 55dB LAeq,30min with night time noise levels not exceeding 45dB LAeq,30min at noise sensitive locations.

The licence also states that there should be no clearly audible tonal or impulsive component in the noise emission from the activity at any noise sensitive location. All monitoring locations with the exception of N6 and N7 indicate a breach of the threshold limits as per Waste Licence limits; however it must be noted that the recorded levels are not all

attributable to noise generation from the site. The noise levels are typical of such a site located within a busy industrial estate which already has a high existing ambient noise climate.

The recorded noise levels are not indicative of noise levels at sensitive locations and as such should not be taken as a breach in the EPA Waste Licence limits. The noise levels at N1, N2, N3, N4 and N5 are elevated due to the close proximity of monitoring stations to the actual processes on the recycling facility. The close proximity of monitoring locations N4, N5 and N7 to the traffic movements on the Mullingar Business Park Road also contributed to the recorded levels. Tonal qualities were recorded at N1, N3 and N5 during the day-time survey and are most likely attributable to idling HGV's. No tonal qualities were noticed during the night-time noise survey.

The conclusion was that overall the recorded noise levels are typical of such a site located within a busy industrial estate which already has a high existing ambient noise climate. These results are very similar to the previous year with the same monitoring locations exceeding the limits although not to the same extent. The recorded noise levels are not indicative of noise levels at sensitive locations and as such should not be taken as a breach in the EPA Waste Licence limits.

Daytime Noise Monitoring Report:

Monitoring Location	Time	L _{Aeq} 30 min dB (A)	L _{A10} 30 min dB (A)	L _{A90} 30 min dB (A)	Waste Licence Limit
N1	14:24	66.9	70.3	48.3	55 dB (A) L _{Aeq}
N2	14:56	67.7	70.3	61.7	55 dB (A) L _{Aeq}
N3	15:29	60.5	56.9	44.0	55 dB (A) L _{Aeq}
N4	15:47	62.5	65.6	46.4	55 dB (A) L _{Aeq}
N5	14:32	69.9	69.9	53.6	55 dB (A) L _{Aeq}
N6	16:19	53.9	54.6	44.9	55 dB (A) L _{Aeq}
N6	15:12	49.4	50.5	45.9	55 dB (A) L _{Aeq}

1/3 Octave Measurements

Monitoring Locations	1:3 Octave Band Analysis									
	31 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1K KHz	2K KHz	4K KHz	8K KHz	
N1										
N2										
N3										
N4										
N5										
N6										
N7										

2. WASTE MANAGEMENT ACTIVITIES

The EPA Waste Licence allows Wallace Recycling Ltd to accept and process on-site for recovery and disposal, 50,000 tonnes of waste per annum, comprising commercial/industrial non-hazardous waste, household waste and construction & demolition wastes. Waste processing takes place inside the waste transfer station building. The tonnage for incoming waste in 2010 was 21,407 tonnes. Waste outputs were 19,809 tonnes.

2.1 Waste Types

The facility is licensed to accept the following waste types as specified in Part 1 Schedule of Activities Licensed the Waste Licence: -

- Household,
- Commercial & Industrial,
- Construction & Demolition,
- End of life vehicles
- Scrap Metal

Hazardous waste is not accepted at the facility, with the exception of small quantities of that which inadvertently arrive in waste deliveries, for example batteries. Any materials suspected either to be hazardous or not acceptable under licence conditions (e.g. gas cylinders, chemical drums etc) are temporarily stored on-site in the waste quarantine area, before removal off-site for treatment/disposal at an appropriate facility.

Household, Commercial & Industrial Waste Containing Putrescible Materials

Household, commercial & industrial wastes (originating in factories, hotels, pubs and supermarkets) containing an organic fraction are either deposited on the floor of the transfer building, or tipped directly into open trailers. All the household waste deposited on the floor is either pushed into an open trailer, or compacted for removal off-site for disposal at an off-site landfill, as agreed with the Agency.

Industrial & commercial waste is inspected and segregated into recyclables and non-recyclables. All uncontaminated cardboard and plastic packaging material, which is suitable for baling, is collected for recycling or delivered to authorised recyclers. Tin cans are collected, baled and stored on-site pending removal off-site for recycling. Glass bottles,

which are either segregated prior to arrival on-site or deposited at the civic amenity area, are stored on-site pending removal for recycling off-site.

Non Putrescible Household and Commercial Waste

Non putrescible household wastes, arising from the kerbside collection, and non- putrescible commercial/industrial waste is deposited onto the floor of the transfer building and inspected for disposable and/or recoverable fractions. Non-recyclable/ recoverable wastes are stored within the building before transfer for disposal to an off-site landfill, as agreed with the Agency.

Construction and Demolition Waste

All construction and demolition waste is inspected to determine if it is suitable for transfer and/or recovery. Wood and metal are separated using a mechanical grab and subsequently removed off-site to an approved recovery/recycling facilities. The residual material is passed through a trommel to remove the fine fraction containing subsoil and topsoil. This material is sent for inert land filling.

Wood, Timber and Green Waste

Wood and timber delivered to and recovered on-site is collected and removed off-site for disposal. Green waste delivered to the facility is stored pending transfer to an offsite composting facility.

Civic Amenity Facilities

There are a number of containers located at the facility, which are provided for use by the general public for deposition of household waste and recyclables including plastic, timber, cans, glass, metals and textiles. The materials collected in these are removed off-site for recovery/recycling.

End of Life vehicles

End of life vehicles are stored on this site pending collection by an authorised contractor for removal and de-pollution off-site.

3. RESOURCE CONSUMPTION SUMMARY

3.1 Energy consumption

The first energy audit was conducted on the 10th of April 2008 as part of the Waste licence 197-01. This energy audit has since been reviewed and the energy usage has been updated.

The electricity usage on site has dropped by 16 kWh, this is not a substantial drop in energy usage but it illustrates the little change in process since the last energy audit conducted in 2008

The light fuel oil consumption on site is 43,011 litres with offsite amounting to 110,641 litres. This has increased by 5,540 litres over the past 2 years. The increase in light fuel oil is due to the increase in vehicles on the road for the company since 2008. The addition of 3 bin lorries and a sales rep van, the addition of these vehicles should have increased the fuel consumption on a greater scale but due to the current economic climate these vehicles have not been in constant operation compared to 2008

Site Energy Usage		Period Oct 2009 – Oct 2010	
Energy Stream	Annual Quantity	Units	Comments
Electricity Consumed on Site	37295	kWh	Reduced since last audit
Electricity Imported	37295	kWh	
Light Fuel Oil	153652	litres	Onsite = 43011 Offsite = 110641

3.2 Water Consumption from Municipal Supply.

The water supplied to the site is via mains from the municipal supply managed by Westmeath County Council. Water is not used extensively in the waste transfer process itself; the main consumption of water on-site is through domestic usage, i.e. toilets and can teen, with a certain volume used for the wheel wash.

Westmeath County Council fitted a water meter in the past but it had been covered over and was inaccessible, this meter was made accessible for readings again in October 2006. Based on the most up to date water meter reading information supplied by Westmeath County Council, the water usage in 2010 was unable to be accurately read due to a leak on one of the pipes outside the facility.

4. ENVIRONMENTAL COMPLAINTS & ENVIRONMENTAL INCIDENTS SUMMARY

4.1 Environmental Complaints.

During the year of 2010 Wallace Recycling Ltd received 3 environmental complaints, 3 of which came from a neighbouring facility and the remaining complaint was received by a member of the public relating to the services provided by Wallace Recycling Ltd. A procedure is in place to deal with these issues should they arise, the objective being to establish the root cause of the complaint in order to prevent a recurrence.

Odour complaint: received via various members of staff at Wallace Recycling on the following dates:

- 29th of June 2010
- 28th of July 2010
- 4th of August 2010

All of which were telephone complaints regarding to odours emitting from the waste transfer shed which were causing a problem beyond the boundary of the facility. On the receipt of the complaint the Managing Director of Wallace Recycling Ltd. assessed the situation and acted to reduce the problems. There were certain factors noted and associated with each complaint.

1. Build up of waste in the waste transfer shed
2. The wind was blowing in the direction of the neighbouring facility
3. These were the hottest times of the year which will cause smells to multiple.

Since these complaints were received a meeting was held with our neighbouring facility on the 12th of September 2010 at the Wallace Recycling meeting room where all issues were resolved and no odour complaints have been since received. Waste is moved off site more regularly which is the main reason for these complaints to cease.

5. SCHEDULE OF OBJECTIVES & TARGETS AND EMP for 2010

Project No.	Title	Summary
Project 1	Dust Emissions	<ul style="list-style-type: none"> • Installation of a odour management system • Carry out dust monitoring on a quarterly basis • Write procedures for yard sweeping
Project 2	Noise Emissions	<ul style="list-style-type: none"> • Replace missing monitoring signs • Carry out noise survey • Review noise analysis results and assess the need to implement noise reduction measures
Project 3	Water Pollution	<ul style="list-style-type: none"> • Inspect spill kits on a weekly basis • Inspect storm water on a daily basis • Replace all temporary manhole covers
Project 4	Monitoring	<ul style="list-style-type: none"> • Carry out site nuisance inspection on a weekly basis • End of life vehicles to be depolluted within 10 days of arriving on site or move on to a depollution centre • All trade effluent samples to be taken as required according to Schedule C.
Project 5	Site Buildings	<ul style="list-style-type: none"> • Enclose the open areas of the waste transfer building.
Project 6	Local community/ Emergency Response	<ul style="list-style-type: none"> • Assess emergency and response procedure • Conduct a fire drill • Record all incidents and complaints
Project 7	Legal Obligations	<ul style="list-style-type: none"> • To meet all requirements of the licence
Project 8	Resources and Energy	<ul style="list-style-type: none"> • Update energy audit
Project 9	Outstanding Reports	<ul style="list-style-type: none"> • Fire water retention • Odour assessment report • CRAMP • ELRA • AER

6. EMP- Proposed for 2011

Project No.	Title	Summary
Project 1	Continual improvement of EMS and environmental compliance	Internal audits and updating procedures when required
Project 2	Training and Development	Train staff on the EPA waste licence
Project 3	Specified Engineering Work	Outstanding work to be carried out
Project 4	Outstanding inspections	Tank and Pipeline assessment

7. POLLUTION EMISSION REGISTER

The PRTR is included in Appendix 2

8. DRAWING OF MONITORING LOCATIONS (IF AMENDED)

Monitoring locations are as per the original Waste Licence W0197-01 application. See Appendix 1 for map of monitoring locations.

9. TANK & PIPELINE TESTING & INSPECTION REPORT

Weekly on site inspections are out of the interceptor, vehicle wash area and the drains at the main entrance. The results and corrective actions required are recorded on the 'Environmental weekly site inspections'. This system for inspection has been in place since 7th January 2005

Tank and Pipeline testing as required by waste licence Condition 6.8 and Schedule E have not been performed to date. A tank inspection cannot be carried out as there is only 1 tank on site (diesel tank) as it is a double skinned self bunded tank. This pipeline inspection has to be done once every 3 years to check for water tightness and their resistance to penetration by water. The pipeline inspection will be included in the EMP for 2011.

10. ENERGY EFFICIENCY AUDIT REPORT SUMMARY

An energy audit was performed as required under Condition 7 of the waste licence. This was conducted by PowerTherm Solutions on 10th April 2008. The energy usage was since update during October 2010 which showed a decrease in electricity being consumed on site, with a increase in light fuel consumption due to the addition of vehicles for the facility.

11. REPORT OF THE ASSESSMENT OF THE EFFICIENCY OF USE OF RAW MATERIALS IN PROCESSES & THE REDUCTION OF WASTE GENERATED

The reduction of waste is a core part of the Wallace Recycling Ltd. business ethos. Segregation systems are in place for the small quantities of waste generated as part of the Wallace Recycling processes – segregation of office paper, cardboard and plastic plus the separation of domestic and canteen waste streams. The office recyclables are all processed with other recyclables in the waste transfer shed and sent for recycling with licensed waste contractors.

12. REPORT ON PROGRESS MADE & PROPOSALS BEING DEVELOPED TO MINIMISE WATER DEMAND & THE VOLUME OF TRADE EFFLUENT DISCHARGE

In 2006 a water tank was installed under the yard with the capacity of 9,000 litres to collect rain water which will be used for the for the yard and office toilets. This tank may provide extra additional capacity for firewater retention in the event of a fire, dependant on the rainfall experienced at the time

13. DEVELOPMENT/ INFRASTRUCTURE WORKS SUMMARY

Development/ Infrastructure works completed in 2009

- The waste transfer building was completely enclosed
- CCTV was installed
- Broken Roof light bulbs replaced
- Wind sock placed on top of the waste transfer shed

Development/Infrastructure works planned for 2010

- Concrete additional 40ft x 40ft section of the adjoining yard
- Installing of a odour/dust suppression system to the waste transfer shed

14. REPORTS ON MANAGEMENT & STAFFING STRUCTURE OF THE FACILITY, AND A PROGRAMME FOR PUBLIC INFORMATION

Refer to Section D, page 5 for management and staffing structure.

A public information file is maintained at the facility.

15. REVIEW OF CLOSURE, RESTORATION & AFTERCARE MANAGEMENT PLAN

A Closure Plan has been prepared for the facility as a Restoration, Aftercare Management Plan. The cost associated with the unexpected closure of the facility is estimated at €62,800 as illustrated in the table below:

Item	Removal cost	Total
Removal of waste and recyclables (assume 150 tonnes)	€80 per tonne	€12,000
Waste plant and picking line decommissioning and removal	€50,000	€50,000
Removal of bunded diesel tank	€500	€500
Removal and treatment of waste liquid (assume 2 tonnes)	€150 per tonne	€300
Total		€62,800

16. ENVIRONMENTAL LIABILITIES STATEMENT

An ELRA was compiled in October 2010 which resulted in the Wallace Recycling Ltd. facility being classified as "Category 2", In accordance with section 3.2 of the Agency's guidance, a closure plan is required but a restoration and Aftercare Management Plan is not required

The potential for unknown liabilities to arise has been considered and financially provided for by way of ensuring that the following potential risks are covered by the financial provision instruments

The following potential risks have been included

- Spillages/Leaks from diesel tank
- Leaks from effluent drains
- Fire and failure/overspill from fire water storage
- Disposal of contaminated firewater
- Land contaminated from spillages

The potential consequences of the above are assessed in the table below and costing provided where possible.

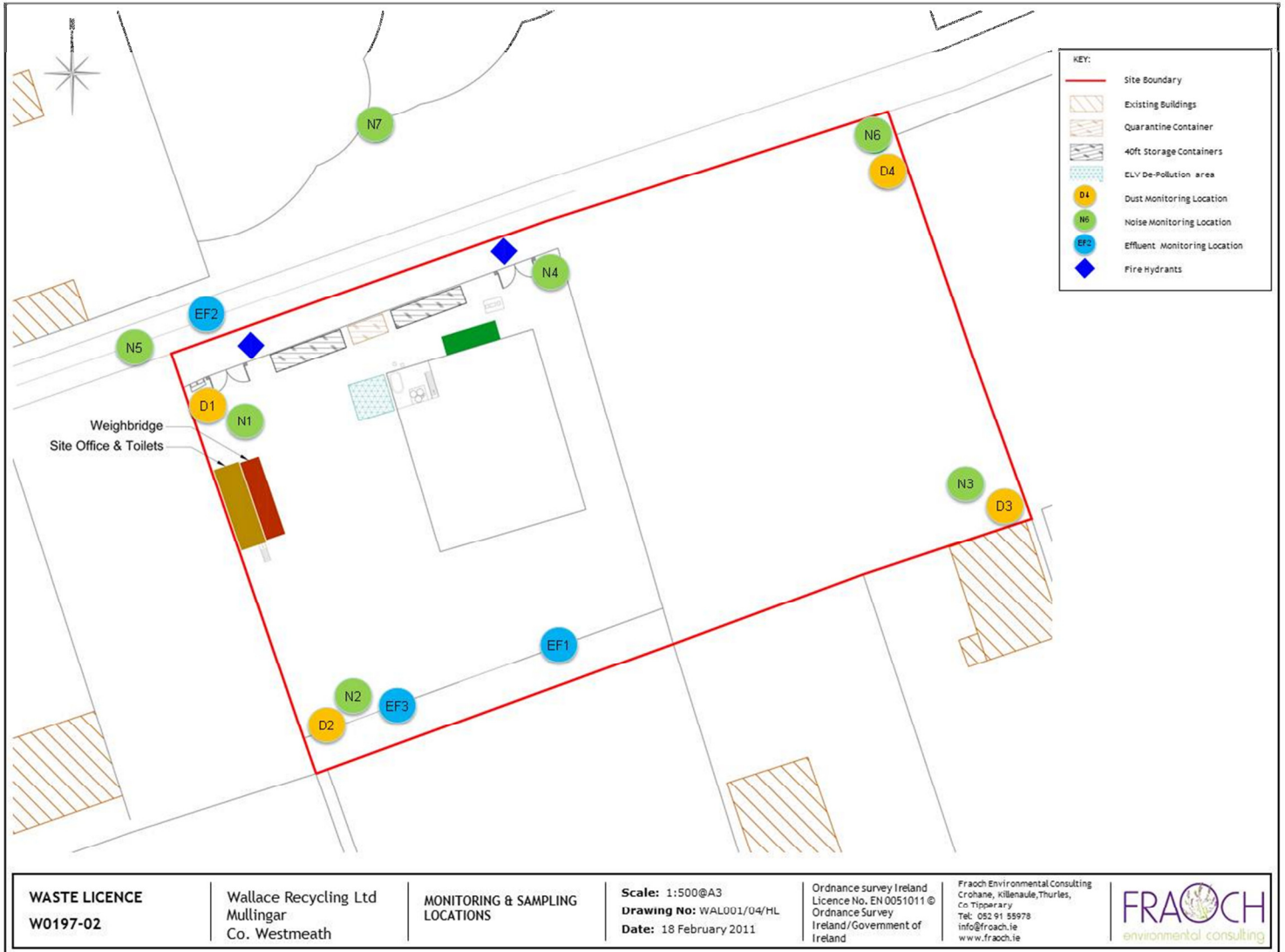
Risk	Potential environmental consequence	Probability	Potential estimated cost of remediation
Spillage/Leaks from diesel tank	Assuming complete failure of tank diesel would spill inside the materials recovery building. Minimal potential of water pollution	LOW – self banded diesel tank in place	€ 1,000
Leaks from effluent drains	Land contamination	LOW – drainage checks required by site licence	€100,000 (est)
Overspill from firewater storage	Potential for firewater to enter surface water drainage system, causing contamination	LOW – capacity of firewater retention considered to be sufficient to cope with maximum	See below
Removal of firewater	Maximum estimated firewater for removal = 313m ³	LOW – capacity of firewater retention considered to be sufficient to cope with maximum estimated firewater quantities	Assuming disposal as hazardous waste is required, cost for removal and disposal = 313 x 180 = 27,000
Land contamination from spillages	Potential of spillage during removal of waste oil from site	LOW – there is no external storage of liquids. Licensed waste contractors are used for removal of wastes	Est. 20 tonnes @ €180 per tonne = €3600

With management controls maintained at the facility and site operating in accordance with the requirements of its waste licence, the potential for the unforeseen events in the table above is considered to be low.

17. ANY OTHER ITEMS SPECIFIED BY THE EPA

None specified.

APPENDIX 1: MONITORING LOCATIONS



APPENDIX 2: PRTR 2010



Environmental Protection Agency

| PRTR# : W0197 | Facility Name : Wallace Recycling Ltd | Filename : W0197_2010.xls | Return Year : 2010 |

[Guidance to completing the PRTR workbook](#)

AER Returns Workbook

Version 1.1.11

REFERENCE YEAR	2010
-----------------------	------

1. FACILITY IDENTIFICATION

Parent Company Name	Wallace Recycling Ltd
Facility Name	Wallace Recycling Ltd
PRTR Identification Number	W0197
Licence Number	W0197-02

Waste or IPPC Classes of Activity

No.	class_name
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.
3.11	Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.
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.
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	Units 14-17 Mullingar Business Park
Address 2	Mullingar
Address 3	Co Westmeath
Address 4	
Country	Ireland
Coordinates of Location	-9.17642 54.1592
River Basin District	IEWE
NACE Code	3832
Main Economic Activity	Recovery of sorted materials
AER Returns Contact Name	Linda Wallace
AER Returns Contact Email Address	Linda@wallacerecycling.ie
AER Returns Contact Position	Director
AER Returns Contact Telephone Number	044 93 47177
AER Returns Contact Mobile Phone Number	0862592853
AER Returns Contact Fax Number	044 93 34795
Production Volume	0.0
Production Volume Units	
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	0
User Feedback/Comments	
Web Address	

2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
50.1	General
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 ?	

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

| PRTR# : W0197 | Facility Name : Wallace Recycling Ltd | Filename : W0197_2010.xls | Return Year : 2010 |

19/05/2011 12:45

Please enter all quantities on this sheet in Tonnes

17

Of	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 License / 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	Non Haz Waste: Address of Recover/Disposer		
Within the Country	17 04 02	No	3.52	aluminium	R4	M	Weighed	Offsite in Ireland	Erin Recycling Ltd,WPSO-05-51	Sligo Harbour,Sligo,,Ireland		
Within the Country	17 04 02	No	16.9	aluminium	R4	M	Weighed	Offsite in Ireland	Multi Metals,WFP-WW-09-0014-01	Walkinstown,,Dublin 12,Ireland	HJ Enthoven,Permit BL5598,Darley Dale smelter,Matlock,Derbyshire,, United Kingdom	Darley Dale smelter,Matlock,Derbyshire,, United Kingdom
Within the Country	16 06 01	Yes	9.98	lead batteries	R4	M	Weighed	Offsite in Ireland	Riita Environmental ,W0192-02	Rathcoole,,Co Dublin,,Ireland		
Within the Country	20 03 07	No	50.62	bulky waste	D1	M	Weighed	Offsite in Ireland	Ballydonagh Landfill,W0028-02	Westmeath,Ireland		
Within the Country	20 03 07	No	37.88	bulky waste	D14	M	Weighed	Offsite in Ireland	Barna Waste,WP-165-2007	Westmeath,Ireland		
Within the Country	20 01 01	No	293.33	paper and cardboard	R3	M	Weighed	Offsite in Ireland	Greyhound Recycling Ltd,W025-01	Knockmitten Lane,Dublin 12,,Ireland		
Within the Country	20 01 01	No	274.04	paper and cardboard	R3	M	Weighed	Offsite in Ireland	Irish Packaging Recycling,W0263-01	Ballymount Road,Walkinstown,,Dublin 12,Ireland		
Within the Country	19 12 12	No	174.34	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	R5	M	Weighed	Offsite in Ireland	Derryclure Landfill,W0029-04	Offaly,Ireland		
Within the Country	19 12 12	No	1273.28	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	R5	M	Weighed	Offsite in Ireland	Panda Waste (Nurendale),W140-03	Beauparc,Navan,Co Meath,,Ireland		
Within the Country	17 04 01	No	2.76	copper, bronze, brass	R4	M	Weighed	Offsite in Ireland	Erin Recycling Ltd,WPSO-05-51	Sligo Harbour,Sligo,,Ireland		
Within the Country	17 04 01	No	6.6	copper, bronze, brass	R4	M	Weighed	Offsite in Ireland	Multi Metals,WFP-WW-09-0014-01	Murrough,Wicklow Town,Dublin 12,Ireland		
Within the Country	16 01 04	Yes	77.62	end-of-life vehicles	R4	M	Weighed	Offsite in Ireland	Erin Recycling Ltd,WPSO-05-51	Sligo Harbour,Sligo,,Ireland	Erin Recycling,wp so - 0893,Deepwater Quay,Sligo,,Ireland	Deepwater Quay,Sligo,,Ireland
Within the Country	16 01 04	Yes	36.13	end-of-life vehicles	R4	M	Weighed	Offsite in Ireland	Multi Metals,WFP-WW-09-0014-01	Bollorney,The Murrough,Wicklow Town,Dublin 12,Ireland	Multimetals Recycling,WFP-WW-09-0014-01,Bollorney	Bollorney
Within the Country	16 02 11	Yes	30.47	discarded equipment containing chlorofluorocarbons, HCFC, HFC	R4	M	Weighed	Offsite in Ireland	KMK Metals Recycling,W0113-03	Cappancur Industrial Estate,Daingean Road,Tullamore,Co. Offaly,Ireland	Viridor Waste Management Ltd,Licence Number: BP3493LV., Cornwall Street,Parr Industrial Estate ,St. Helens ,Merseyside WA9 1QW ,United Kingdom	Cornwall Street,Parr Industrial Estate ,St. Helens ,Merseyside WA9 1QW ,United Kingdom
Within the Country	20 02 01	No	40.97	biodegradable waste mixture of concrete, bricks, tiles and ceramics other than those mentioned in 17	R3	M	Weighed	Offsite in Ireland	Conroy Recycling,WP-152-2006	Offaly,Ireland		
Within the Country	17 01 07	No	1769.05	01 06	R10	M	Weighed	Offsite in Ireland	Michael Wallace,WP-167-2008	Knockcosker,Co Westmeath,,Ireland		
Within the Country	20 01 40	No	600.46	metals	R4	M	Weighed	Offsite in Ireland	Erin Recycling Ltd,WPSO-05-51	Sligo,,Ireland		
Within the Country	20 01 40	No	349.82	metals	R4	M	Weighed	Offsite in Ireland	Multi Metals,WFP-WW-09-0014-01	Walkinstown,,Dublin 12,Ireland		
Within the Country	20 01 39	No	85.82	plastics	R12	M	Weighed	Offsite in Ireland	Leinster Environmentals,WP2008/06	Offaly,Ireland		
Within the Country	20 03 01	No	69.02	mixed municipal waste	R12	M	Weighed	Offsite in Ireland	AES,W0104-02	Offaly,Ireland		

Within the Country	20 03 01	No	579.2 mixed municipal waste	R12	M	Weighed	Offsite in Ireland	Dillon Waste,WFP KY-10--1001,Kerry,Ireland
Within the Country	20 03 01	No	156.16 mixed municipal waste	R12	M	Weighed	Offsite in Ireland	Mr Binman,WP035-02,Ireland
Within the Country	20 03 01	No	568.29 mixed municipal waste	R12	M	Weighed	Offsite in Ireland	Wheely Environmental Refuse,WFP-G-09-0002-01 Irish Packaging	Weir Road,Tuam,,Co. Galway,Ireland
Within the Country	20 01 11	No	61.8 textiles	R12	M	Weighed	Offsite in Ireland	Recycling,WPR 021/2	...,Tallaght,Dublin 24,Ireland
Within the Country	17 02 01	No	691.78 wood	R12	M	Weighed	Offsite in Ireland	Conroy Recycling,WP-152-2006,Ireland
Within the Country	16 01 03	No	19.2 end-of-life tyres	R12	M	Weighed	Offsite in Ireland	Crumb Rubber Ireland Ltd,WFP-LH-10-0005-01,Co Louth,Ireland
Within the Country	16 01 03	No	25.66 end-of-life tyres	R3	M	Weighed	Offsite in Ireland	Irish Rubber Solution,..,Ireland
Within the Country	20 03 01	No	915.01 mixed municipal waste	R12	M	Weighed	Offsite in Ireland	Greyhound Recycling Ltd,W025-01	..Knockmitten Lane,Dublin 12,..,Ireland
Within the Country	20 03 01	No	1382.54 mixed municipal waste	R12	M	Weighed	Offsite in Ireland	Leinster Environmentals,WP2008/06	...,Dundalk,Co Louth,Ireland
Within the Country	20 03 01	No	10082.21 mixed municipal waste	R12	M	Weighed	Offsite in Ireland	Panda Waste (Nurendale),W140-03	Beauparc,Navan,Co Meath,..,Ireland
Within the Country	16 02 13	Yes	discarded equipment containing hazardous components (16) other than those mentioned in 16 02 09 to 16 02 12	R4	M	Weighed	Onsite in Ireland	KMK Metals Recycling,W0113-03	Cappancur Industrial Estate,Daingean Road,Tullamore,Co. Offaly,Ireland
Within the Country	16 01 20	No	10.48 glass	R12	M	Weighed	Onsite in Ireland	John Gannon & Sons,WFP-WM-2009-0007-01	..Hazelwood,Kilbeggan,Westmeath,Ireland
Within the Country	20 01 02	No	3.18 glass	R12	M	Weighed	Onsite in Ireland	Mullingar Resource Centre,WFP-WH-2009-0001-01	..Mullingar Resource Centre,Co Westmeath,..,Ireland

* Select a row by double-clicking the Description of Waste then click the delete button

A. Jansen BV , Licence
Number: 1457727.,Kanaaldijk
Zuid 24 5691 NL SON The Kanaaldijk Zuid 24 5691 NL
Netherlands. Outlet: A. SON The Netherlands.
Jansen BV Kanaaldijk ZO1 Outlet: A. Jansen BV
5705 BE Helmond Kanaaldijk ZO1 5705 BE
.....,Netherlands Helmond,Netherlands