

2009

A n n u a l E n v i r o n m e n t a l R e p o r t

F o r

B a r n a W a s t e t / a J o e M c L o u g h l i n W a s t e D i s p o s a l L i m i t e d

W a s t e L i c e n c e n o . W 0 2 1 6 - 0 1

P r e p a r e d b y :

A N N C L A R K E

D E P U T Y F A C I L I T Y M A N A G E R

B A R N A W A S T E T / A J O E M C L O U G H L I N W A S T E D I S P O S A L L T D .

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Introduction

This Annual Environmental Report (AER) has been prepared in accordance with the requirements of condition 11.7 of Waste Licence ref. no. W 0216-01. Joe Mc Loughlin Waste Disposal was issued with a waste licence on 24th of February 2006 for the operation of their waste transfer facility in Ardcolom, Drumshanbo, Co. Leitrim the licence was transferred to Barna Waste, on 28th of October 2009. The facility is licensed to handle 24,900 tonnes of waste per annum.

1.0 Reporting Period

This report covers the time period from the 1st of January 2009 to the 31st of December 2009. This is the Fourth Annual Environmental Report (AER) for submission to the EPA. This report contains all the relevant information as detailed in Schedule F of the Waste Licence.

2.0 Waste Activities Carried out at the Facility

Joe Mc Loughlin Waste Disposal Ltd. is licensed to accept non-hazardous waste at its waste licensed facility in Drumshanbo, Co. Leitrim. Specific waste types acceptable at this facility include Municipal Solid Waste, Mixed Dry Recyclables/Kerbside, Packaging Waste, C & D, Scrap Metal, Glass and Grass. The total quantity of Waste acceptable under the waste licence conditions is 24,900 tonnes. The total quantity of waste accepted at the premises in the reporting period was 13,657.67 tonnes. The principal activities carried out at the facility include:

Mixed Municipal Waste (EWC 20 03 01)

Mixed Municipal Waste (MSW) is accepted from two sources; a) Municipal Waste from households (7972.576 tonnes) and b) Municipal Waste from skips from commercial sources (2422.44 tonnes) giving a total of 10,395.02 tonnes accepted at the facility. MSW is stored in the waste transfer facility prior to removal.

Mixed Municipal Waste is sorted and trommelled prior to loading into Waste Ejector trailers. Trailers carrying MSW depart from site approximately twice every day and transfer this waste directly to Landfill. Five outlets have been utilised for MSW in the past year namely Oxigen Environmental Ltd. Corranure Landfill, Cootehill Road, Co. Cavan and Ballaghaderreen Landfill, Aghalustia, Ballaghaderreen, Co. Roscommon, Derryclure Landfill, Tullamore, Co. Offaly, Ballydonagh Landfill, Athlone, Co. Westmeath, and Scotch Corner Landfill, Castleblaney, Co. Monaghan.

Mixed Dry Recyclables (MDR) (EWC 20 03 01)

Mixed Dry Recyclables are collected from households in County Leitrim on alternative weeks, i.e. Kerbside collection. This material is tipped onto the waste transfer floor and any contaminants are removed prior to loading into an Ejector trailer. This waste is then transferred for further segregation, and recycling. Two outlets have been utilised for Mixed Dry Recyclables in the past year namely Re-Gen in Northern Ireland under TFS; s no. 130008 to 130009 and Barna Waste & Recycling Ltd. Co. Galway.

Metal (E W C 20 01 40)

Metal is collected directly from Commercial customers, or is segregated out of mixed commercial skips of Municipal Waste. Metal waste is sorted and placed into a skip. On accumulation of sufficient quantities metal waste is collected and removed from site for recycling. Three outlets have been utilised for metal recycling in the past year, namely Erin Recyclers Ltd. and Wilton Waste & Recycling Ltd. Also we have sent some of our Metal to Barna Waste Ltd. Recycling Depot Co. Galway for recycling.

Paper (E W C 20 01 01)

Paper is collected ready-segregated from commercial outlets. Paper is segregated, baled in the baler and transferred to Failand Paper Services Ltd.

Cardboard Packaging (E W C 15 01 01)

Cardboard packaging is collected from commercial outlets and is further segregated on site to remove any contaminants. Cardboard is then baled and stored in the Recycling Shed prior to shipment to one of two recycling facilities Failand Paper Services Ltd., or Leinster Environmentals Resource Renewal Centre.

Plastic Packaging (E W C 15 01 02)

Plastic packaging waste from commercial outlets is segregated and baled in the baler in the waste transfer building, prior to transfer to Leinster Environmentals Resource Renewal Centre for recycling.

Wood (E W C 17 02 01)

Timber from Commercial waste skips, and Timber skips is tipped onto the floor of the waste transfer building. This waste is segregated to remove any contaminants. Segregated wood is then loaded into the hopper of the Wood Shredder by the Grab. Shredded wood is transferred by forklift directly into a 40ft trailer prior to removal to one of three outlets. Arigna Fuels Ltd. where it is burned in a solid fuel boiler to produce steam. Ballaghaderreen Landfill, Co. Roscommon or Barna Waste Ltd. Recycling Depot, Co Galway.

Construction & Demolition (C & D) Rubble Waste (E W C 17 01 07)

Mixed waste from Commercial waste skips is tipped onto the floor of the waste transfer building. Manual segregated is used to pick out large items such as concrete, bricks, stones, etc. which are transferred into a skip. The segregated C & D Waste is transferred to Joe Mc Loughlin's permitted facility at Aghafin, Co. Roscommon for use as in-fill.

Construction & Demolition (C & D) Fines Waste (E W C 19 12 09)

Mixed waste from commercial waste is manually segregated taking out concrete, bricks, stone etc. The rest of this waste is then trommelled producing C & D fines which are removed and loaded into ejector trailers and transferred to Ballaghaderreen Landfill Co. Roscommon and used as in-fill.

Glass (E W C 15 01 07)

Mixed Glass is collected in a glass lorry directly from commercial customers. It is stored in a segregated area, where it is tipped and any contaminants are removed, the glass is then crushed. On accumulation of sufficient quantities it is loaded with a low loader into an ejector trailer and transferred to Glassdon Ltd. Co. Antrim for recycling.

Tyres (E W C 16 01 03)

Over a period of time we accumulate a sufficient number of car tyres from skips. The tyres are segregated on site, the rims are removed from the tyres and placed in the Metal Skip for recycling, and the tyres are stored on site. On accumulation of sufficient quantities the tyres will be removed to a recycling facility.

Grass (E W C 20 02 01)

Grass is collected from Leitrim County Council Bring Centre in Mohill. The grass is trommelled producing fines which are loaded into ejector trailers and transferred to Ballaghaderreen Landfill, Co. Roscommon and used as in-fill.

3.0 Quantity & Composition of Waste Recovered

The following table details the total waste tonnage accepted at the facility in 2009. The table also details the end destination for recycled and disposed waste.

Table 1: Quantity & Composition of Waste

E W C	Description	In	Out	Destination
20 03 01	Municipal Solid Waste	10,395.016	409.9	Oxygen Environmental Ltd. Corranure Landfill Co. Cavan
			3,902.1	Ballaghaderreen Landfill Aghalustia, Co. Roscommon
			2,655.75	Ballydonagh Landfill Athlone, Co. Westmeath
			1,009.1	Derryclure Landfill Tullamore, Co. Offaly
			896.26	Scotch Corner Landfill Castleblaney, Co. Monaghan
20 01 99	Mixed Dry Recyclables	1466.032	210.88	Regen Waste Ltd. Co Down, BT35 9TU
			1347.48	Barna Waste & Recycling Ltd. Co. Galway
17 02 01	Woodchip/Timber	25.806	69.14	Arigna Fuels Ltd. Arigna, Co. Roscommon
			183.87	Barna Waste & Recycling Ltd. Co. Galway
			53.58	Ballaghaderreen Landfill Aghalustia, Co. Roscommon
15 01 01	Cardboard	1318.142	988.11	Failand Paper Services Ltd. Clifton, Bristol BS8 1EY
			223.60	Leinster Environmentals Dundalk, Co. Louth
20 01 01	Paper	88.182	51.62	Failand Paper Services Ltd. Clifton, Bristol BS8 1EY
15 01 02	Plastic	119.355	73.02	Leinster Environmentals Dundalk, Co. Louth
20 01 38	Furniture	24.78		
15 01 07	Glass	148.74	169.4	Glassdon Ltd. Toomebridge, Co. Antrim
17 01 07	Mixed C&D Rubble		411.32	Joe Mc Loughlin, Aghafin, Co. Roscommon
19 12 09	Mixed C&D Fines		366.82	Ballaghaderreen Landfill Aghalustia, Co. Roscommon
20 02 01	Grass	15.94		
20 01 40	Scrap Metal	55.68	185.80	Wilton Waste Recycling Ltd. Co. Cavan
			40.42	Erin Recyclers Ltd. Co. Sligo
			5.92	Barna Waste & Recycling Ltd. Co. Galway

TOTAL	13,657.67	13,272.09
Recycling Tonnage		4380.98
Disposal Tonnage		8891.11
Recycling Rate		39.4%

The total quantity of waste recycled in this reporting period was 3982 Tonnes, out of a total tonnage of 14047 managed at the premises. This means that a recycling rate of 35.8% was achieved at the facility in the period from 1st January 2009 to the 31st December 2009.

4.0 Environmental Monitoring

Monitoring of Dust, Noise, and Surface Water were carried out at the facility in 2009. Copies of monitoring reports are included in the appendices of this report. A plan detailing the monitoring locations at the site are included in Appendix 1.

4.1 Dust Monitoring

Monitoring Locations

Four dust monitoring gauges (D1, D2, D3, and D4) were installed at the facility in July 2006 and are utilised for dust monitoring. The location of these dust gauges is illustrated in the Monitoring Points Location plan located in Appendix 1.

Methodology

Dust monitoring has been reduced to twice annually at the premises in accordance with condition 6.10. Dust monitoring has been carried out in accordance with Schedule C6 by Environmental Efficiency Consulting Engineers. Bergerhoff gauges were utilised as specified in the German Institute VD 1 2119 Measurement of Dustfall using the Bergerhoff (Standard) method.

Results

The results of Dust monitoring for 2009 are outlined below :

Table 2: Dust monitoring results

Monitoring Point	Licence Limit (mg/m²/day)	Round 1 June 2009 (mg/m²/day)	Round 2 September 2009 (mg/m²/day)
D 1	350	42.97	56.83
D 2	350	63.10	166.8
D 3	350	157.7	26.21
D 4	350	167.1	43.27

Round 1

Dust gauges were erected on the 1st of June 2009 and removed on the 30th of June 2009. The highest Level of dust was recorded at D4 (167.1 mg/m²/day) this was well below the Licence limit value of 350 mg/m²/day.

Round 2

Dust gauges were erected on the 1st of September 2009 and removed on 30th of September 2009. The highest level of dust was recorded at D2 (166.8 mg/m²/day) this was well below the Licence Limit value of 350 mg/m²/day.

The dust monitoring results indicate that dust levels at McLoughlin's Waste Transfer Facility, are within the licence limits and therefore not likely to cause a nuisance. Copies of dust monitoring reports are included in Appendix 2.

4.2 Noise Monitoring

Monitoring Locations

Noise monitoring was carried out at 8 locations: N1 – N8. The location of monitoring points is included in Appendix 1. N1-N4 are onsite monitoring points: N5 –N8, are defined as noise sensitive locations, and are located at various points outside the site.

Methodology

Noise assessment was carried out by Richard McElroy, of Environmental Efficiency Consulting Engineers, on the 22nd of September 2009 in accordance with the EPA Environmental Noise Survey Guidance Document.

Measurements were taken using a Cirrus (CR:811B) sound level meter with windshield attached. The meter was calibrated to 94 dB(A) immediately prior to measurement. The Noise survey recorded, the following parameters:

LAeq – Equivalent Continuous A weighted Sound Level.

LA10 – Noise level exceeded for 10% of the measurement time.

LA90 – Noise level exceeded for 90% of the measurement time.

Results

The results in Table 3 below demonstrate that noise levels at the facility are within the limits of 55dB(a) set down in schedule C1 of waste licence no. W 0216-01. As the facility is located within an industrial estate, additional noise from adjacent sites and road traffic was also present. A copy of the complete noise monitoring report is included in Appendix 3.

Table 3: Noise Monitoring Results

Monitoring Point	Licence Limit LAeqdB (A)	LeqdB (A)	L10dB (A)	L90dB (A)
N 1		64.8	67.4	42.4
N 2		52.8	57.7	45.6
N 3		62.00	64.2	52.5
N 4		61.6	64.5	56.6
N 5	55	65.5	66.8	43.5
N 6	55	49.5	48.1	38.1
N 7	55	48.9	46.2	37.1
N 8	55	46.3	50.2	40.8

A daytime noise limit of 55dB(A) should be applied to the Leq at all noise sensitive locations (EPA recommendations). Monitoring points N5-N8 are all regarded as noise sensitive locations.

All results were below the EPA limit of 55dB(A), with the exception of N5 which registered at 65.5 dB(A). However this result was due to considerable interference noise arising from offsite traffic on the road nearby. A full copy of the environmental noise survey is included in Appendix 3.

4.3 Surface Water Monitoring

Methodology

Water monitoring was reduced to Quarterly for all parameters at the premises in June 2007 in accordance with condition 6.10.

Two 1 litre samples of water are collected from 2 surface water monitoring points, SW 1 (the lake adjacent to the facility), and SW 2 (the stream that flows along the boundary of the site, into the lake).

There was insufficient flow at monitoring point SW 2 to obtain any Quarterly sample of water for analysis in 2009.

Samples are sent to Environmental Efficiency Consulting Engineers for analysis.

Results

The results of surface water monitoring for both monitoring points is outlined in the 2 tables below. All parameters analysed were within the limits specified in the waste licence.

Table 4: SW 1 Water Monitoring Results

Parameter	pH	Conductivity (mS/cm)	Suspended Solids mg/L	COD mg/L	Ammonia mg/L	Mineral Oils mg/L
Licence Limit						5
24/03/2009	7.61	297	5.00	29.90	0.04	<10
25/06/2009	7.31	397	8	30.10	0.15	<10
24/09/2009	7.42	251	21	76	0.07	<0.010
18/12/2009	7.26	115	<5	29.29	0.0160	<0.00001

Table 5: SW 2 Water Monitoring Results

Parameter	pH	Conductivity (mS/cm)	Suspended Solids mg/L	COD mg/L	Ammonia mg/L	Mineral Oils mg/L
Licence Limit						5
24/03/2009	Insufficient Flow for Sampling					
25/06/2009	Insufficient Flow for Sampling					
24/09/2009	Insufficient Flow for Sampling					
18/12/2009	Insufficient Flow for Sampling					

5.0 Resource & Energy Consumption

In accordance with Condition 7.1 of Waste Licence W 0216-01 'Resource Use & Energy Efficiency' requires the licensee to carry out an Audit of the Energy Efficiency of the site in accordance with the guidance published by the agency 'Guidance Note on Energy Efficiency Auditing'.

An Energy Audit was carried out on 14th of June 2007 by Environmental Efficiency Consulting Engineers.

In accordance with Condition 7.2 of Waste Licence W 0216-01 the Audit shall identify all opportunities for Energy Use Reduction & Efficiency.

The Recommendations of the Audit are as follows

- Ref. 6.2.1 - Fix Air Leak on Compressed Air Lines
- Ref. 6.4.1 - Monitoring and Targeting
- Ref. 6.5 - Change Electricity Supplier

The Compressors became redundant, and they were removed from the facility in March 2009. Procedure No.10 and Form no. 7 are now obsolete.

Monitoring Efficiency of Compressed Air Lines results for Quarter 1 is attached in Appendix 5.

Recommendation Ref. 6.5 Changed Electricity Supplier from ESB to Energia.

6.0 Developmental & Infrastructural Works

Most development works were carried out at McLoughlin's Waste Disposal Ltd. in 2005 to achieve a Satisfactory standard for a waste transfer facility. Infrastructural works carried out early in 2006 included the installation of a trommel and a picking line for the segregation of Mixed/Contaminated recyclables.

Infrastructural works carried out early in 2007 included the construction of a Percolation Area, which was designed and supervised by Advanced Planning & Design Services in accordance with EPA Waste Water Treatment Manual – treatment systems for single houses. A high level alarm was fitted on the waste water storage tank. Shut off valves were fitted on surface water drainage system.

There was no development/infrastructural work carried out in 2009

There is currently no development/infrastructural works planned for 2010.

7.0 Objectives & Targets

7.1. Table 6: Schedule of Objectives & Targets – General 5 year plan

Ref. no.	Licence Condition no.	Objective	Target
1		Waste Licence Compliance	Implement all recordkeeping, and reporting, etc. necessary to ensure compliance with the site waste licence by the end of 2006. Maintain all records & reports to demonstrate and ensure on-going compliance with the waste licence.
2		Emissions Monitoring	Set up an Emissions monitoring programme to satisfy licence requirements by 2006. Maintain the Emissions Monitoring programme and report any exceedances of emission levels to the EPA.
3		Environment Management System	Establish all documentation necessary for an EMS by 2006.
4		Training	Implement Training procedure to determine site training requirements by 2006. Ensure all relevant staff are trained in and aware of the waste licence requirements, and that new staff are trained within one month of appointment.
5		Nuisance Management	Implement Weekly Facility Inspection for Nuisance by 2006. Ensure any litter is removed by the end of each working day.
6	7.1	Energy Management	Carry out an energy efficiency audit of the site by February 2007. Implement recommendations from the Energy audit.
7	7.3, 7.4	Resources Management	Carry out an assessment on methods of reducing Water usage by the end of 2008. Implement any recommendations from the assessment by 2009. Undertake an assessment of the efficiency of use of raw materials by 2009.
8		Recycling/Waste	Review Recycling rates and set revised targets on an annual basis. Upgrade waste/recycling infrastructure on site to increase site capacity in line with waste intakes/processing requirements.
9	3.20.1	Firewater Retention	Carry out a risk assessment to determine if the activity should have a fire-water retention facility The licensee shall submit the assessment and a report to the agency on the findings and Recommendations.

7.2 Environmental Management Programme – report for previous year

Ref no.	Objective	Target	Means by which achieved	Resp	Date	Complete (Y/N)
1	Waste Licence Compliance	Maintain all recordkeeping & reporting, etc. necessary to ensure ongoing compliance with the facility Waste Licence.	Procedures and recordkeeping for waste acceptance, incidents, complaints, nuisance monitoring emissions monitoring, etc. have been maintained.	AC	01/01/09	Y
			Prepare all required reports for the EPA, within the timescales specified in the conditions of the Waste Licence.	AC	31/12/09	Y
			Prepare Annual Environmental Report for the site.	AC	31/03/10	Y
			Maintain all records on site, available for inspection.	AC	01/01/09	Y
			Provide training to key staff to ensure records are completed correctly.	AC	01/01/09	Y
2	Emissions Monitoring	Maintain Emissions monitoring programme	Environmental Efficiency Consulting Engineers Analysis our Dust and Surface Water samples, and carry out our Environmental Noise Survey as specified in the Waste Licence.	AC	01/01/09	Y
			Dust, Noise and Surface Water Monitoring Maintain.	AC	01/01/09	Y
			Daily Visual Inspection of Surface Water Maintain.	AC	01/01/09	Y
		Maintain the Emissions Monitoring Programme and Report any Exceedances of Emission levels to the EPA.	Environment Monitoring & Reporting Procedure have been Maintain. Incident Recording & Reporting Procedure to record/report any potential exceedances of Emissions Limit Values have been Maintain.	AC	01/01/09	Y
3	Environmental Management System	Establish all documentation necessary for an EMS by 2006.	Standard Procedures, Work Instructions and forms to cover all operations have been implemented.	FM	27/06/06	Y
			Environment Objectives & Targets, and an Environmental Management Programme has been implemented.	FM	27/06/06	Y
			A Communications Programme has been implemented.	FM	27/06/06	Y

4	Training	Maintain Training procedure to determine site training requirements.	A training procedure to identify Site Training Requirements has been Maintained.	AC	01/01/09	Y
		Ensure all relevant staff are trained in and aware of the Waste Licence requirements and that new staff are trained within one month of appointment.	All relevant staff have been trained in and are aware of the requirements of our waste licence. All trained staff received a copy of the waste licence. All new staff will be trained within one month of appointment.	AC	01/01/09	Y
5	Nuisance Management	Maintain Weekly Facility Inspection for Nuisances.	Weekly Facility Inspection for Nuisances Maintained.	AC	01/01/09	Y
		Ensure any litter is removed by the end of each working day	Litter is removed by the end of each working day.	AC	01/01/09 Ongoing	Y
6	Energy Management	Carry out an Energy efficiency Audit of the site	Energy Audit carried out in 2007.	AC	14/06/07	Y
		Maintain recommendations from the Energy Audit.	Recommendation from the Energy Audit have been Maintained.	AC	01/01/09	Y
		Maintain Quarterly Monitoring of Compressed Air Lines	Quarterly Monitoring of Compressed Air Lines was carried out in Quarter 1, the compressors became redundant, and removed from the facility in March 2009.	AC	01/01/09	Y
7	Resources Management	Carry out an assessment on methods of reducing Water usage onsite by end of 2008.	An assessment was carried out on methods to reduce water usage on site, we identified that there is no meter on our water mains, we have contacted our Local Authorities in relation to this matter and are waiting for a reply. We have installed a meter on our fire hydrant mains to enable us to record and monitor the usage accordingly.	AC	31/12/08	Y

		Implement any recommendations from the Water Usage assessment by 2009.		AC	01/12/09	N
		Undertake an assessment of use of raw materials by 2009.	Along with Sean Scott from Leitrim Co. Council, we carried out two characterisation studies on site, the first one on the 7 th September 2009 with waste from Rural areas, and the second one on 21 st of September 2009 with waste from Urban areas.	AC	07/09/09	Y
8	Recycling & Waste Management	Review Recycling rates and set revised targets on an annual basis.	Include 2009 Recycling Rates in AER Report.	AC	31/03/10	Y
			Use 2009 recycling rates as a baseline for setting revised Recycling rates for 2010.	AC	31/03/09	Y
		Upgrade waste/recycling infrastructure on site to increase site capacity in line with waste intake/processing requirements.		AC	On-going	N
9	Firewater Retention	Carry out a risk Assessment to determine if the activity should have a firewater retention facility.	Environmental Efficiency Consulting Engineers carried out a Firewater Retention Assessment on the 3 rd of August 2007.	AC	03/08/07	Y
		The licensee shall submit the assessment and a report to the Agency on the recommendations	A report on the finding and recommendations of the assessment was submitted to the Agency on the 24 th of September 2007.	AC	On-going	Y
			An inspection of our facility on 1 st of May 2008 resulted in the Environmental Officer requesting that we carry out a level survey of the retention capacity within the Waste Transfer Building. A report on the survey was submitted to the Agency on 4 th of June 2008.	AC	On-going	Y

7.3 Environmental Management Programme – proposal for current year

Ref No.	Objective	Target	Means which achieved	Resp	Date
1	Waste Licence Compliance	Maintain all recordkeeping and reporting, etc necessary to ensure ongoing compliance with the site Waste Licence.	Maintain all records on site, available for inspection.	AC	31/12/10
2	Emissions Monitoring	Maintain the Emissions Monitoring programme and report any exceedances of Emission levels to the EPA.	Maintain Emissions Monitoring programme and Report any exceedances of Emission Levels to the EPA.	AC	31/12/10
3	Environmental Management System	Maintain EMS.	Maintain and Update the EMS as necessary in line with any changes to work practises.	AC	31/12/10
4	Training	Ensure all relevant staff are trained in and aware of the Waste Licence Requirements and that new staff are trained within one month of appointment.	Ensure relevant staff are trained in and aware of the Waste Licence requirements, and that all new staff are trained within a month of appointment.	AC	31/12/10
5	Nuisance Management	Ensure any potential nuisance on site are controlled.	Maintain vigilant weekly inspections to ensure that all nuisances are controlled. Maintain all documentation from nuisance inspection and control inspections.	AC	31/12/10
		Ensure any Litter is removed by the end of each working day.	All Litter removed by the end of the working day.	AC	31/12/10
6	Energy Management	Ensure recommendations to Reduce Energy Usage are carried out.	Maintain our Energy usage procedures and update as necessary in line with any changes to work practises.	AC	31/12/10
7	Resources Management	Carry out an assessment on methods of reducing Water usage onsite by the end of 2010.	Contact our Local Authorities for a progress report on the water meter. Measure water flow from fire hydrants mains.	AC	31/12/10

		Implement any Recommendations from the Water usage assessment by 2010.		AC	31/12/10
		Undertake an assessment of the efficiency of use of raw materials by 2009.	Use data from characterisation studies to improve the use of raw materials.	AC	31/12/10
8	Recycling & Waste Management	Recycle 40% of all waste received in 2010.	Review recycling & disposal tonnages on a quarterly basis, and identify methods to increase recycling rates, if possible.	AC	31/12/10
		Improve Waste Reporting.	Introduce computerised weighbridge to improve waste reporting.	AC	31/12/10
9	Firewater Retention Management	To complete consultations with Environmental Officer.		AC	31/12/10

8.0 Environmental Incidents & Complaints

There was one environmental complaint recorded by Joe Mc Loughlin Waste Disposal Ltd. at the site in 2009, this was resolved.

9.0 Pollution Emission Register – Report for Previous year

Our facility Pollution Emission Main Economic Activity is Waste Treatment and Disposal. Our PRTR Class Activity Number:- 50.1, Activity Name:- General NACE Code:-3821. There was no Environmental Pollution Emission incidents recorded by Joe Mc Loughlin Waste Disposal Ltd. at the site in 2009. A copy of the Pollution Worksheet is attached in Appendix 6.

10.0 Pollution Emission Register – Report for Current year

Maintain Pollution Emissions Activity and report any exceedances, incident or complaints to the EPA.

11.0. Other Information

11.1. Tank & Pipeline Testing & Inspection Report

The integrity and water tightness of all the bunding structures and their resistance to penetration by water or other materials stored within their bunds are required to be tested in 2010.

11.2. Energy Efficiency Audit Report Summary

An Energy Audit was carried out in 2007 by Environmental Efficiency Consulting Engineers. All recommendations were implemented in 2007.

11.3. Efficiency of use of Raw Materials

Two characterisation studies were carried out on site, the first one on the 7th of September 2009 with waste collected from Rural areas, and the second one on the 21st of September with waste from Urban areas. We will use this data to improve are usage of raw material.

11.4. Water & Trade Effluent Discharge – Progress made/Proposals

Trade effluent is removed from the facility when required and transferred to Drumshanbo Wastewater treatment plant under the agreement of the EPA and Leitrim County Council. Samples of trade effluent are collected and sent for analysis prior to collection of the waste water.

11.5. Financial Provision

Barna Waste t/a Joe Mc Loughlin Waste Disposal Ltd. has Public and Employee liability insurance in place. The Limit of indemnity of this insurance is €6.5 & €13 million respectively. This provides for the cost of cleaning up of any Environmental Pollution in the event of an incident taking place at the site.

11.6. Management & Staffing Structure

The facility is managed by Simon Rooney and Deputy Facility Manager is Ann Clarke. Simon Rooney has worked in the waste business for over eight years. The Deputy Facility Manager completed the FAS Waste Management Course in 2007.

11.7. Programme for Public Information

A Communications Programme (Procedure No. P6) has been prepared and details when and how members of the public can obtain information in relation to the facility. A copy of this procedure is attached in Appendix 4.

11.8. Statement of measures in relation to prevention of Environmental Damage & Remedial Action.

All activities carried out by Barna Waste t/a Joe McLoughlin Waste Disposal Ltd. is undertaken in a manner so as not to cause Environmental Pollution. Specific measures include:

- Monitoring of emissions.
- Weekly inspections of facility.
- Control of waste contractors.
- Removal of wind blow litter.
- Spraying with water to remove Dust nuisances.
- Processing of waste indoors only, to prevent, litter, dust, odour and noise nuisances.
- Testing and transfer of trade effluent (to a waste water treatment plant) in a timely fashion to prevent overflow of trade effluent tank, etc.