2010

Annual Environmental Report

For

Bergin Waste Disposal limited

Waste Licence no. W0163-01

Prepared by: ANN CLARKE FACILITY MANAGER BERGIN WASTE DISPOSAL LTD.

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Introduction

This Annual Environmental Report (AER) has been prepared in accordance with the requirements of condition 11.5 of Waste Licence no. W0163-01. Bergins were issued with a waste licence on 24th of May 2002 for the operation of their waste transfer facility in Ballaghaderreen Co. Roscommon. The facility is licensed to handle 19,700 tonnes of waste per annum.

1.0 Reporting Period

This report covers the time period from 1st of January 2010 to the 31st December 2010. This is the Eighth Annual Environmental Report (AER) for submission to the EPA. This report contains all the relevant information as detailed in Schedule F.

2.0 Waste Activities Carried out at the Facility

Bergin Waste Disposal Ltd. is licensed to accept non-hazardous waste at it waste facility in Ballaghaderreen Co. Roscommon. Specific waste types acceptable at this facility include Metal, Paper & Cardboard, Plastic Packaging, Wood, Construction & Demolition Waste & Mixed Municipal Waste... The total quantity of waste acceptable at the premises in the reporting period was 19,700 tonnes. The total quantity of waste accepted at the premises in the reporting period was 24420.65; this is a Non-Compliance with our licence and has been reported to the EPA. The principal activities carried out at the facility include:

Metal (EWC 20 01 40)

Mixed waste from Construction & Demolition/Commercial waste skips is tripped on to the floor of the waste transfer building. A grab is used to pick out large items such as metal, which are transferred into a forklift skip. This segregated metal waste is transferred by forklift from the Waste Transfer Building to a segregated loading bay which is located beside the Recyclables Storage Building when there is a sufficient amount of Metal it is loaded into an ejector trailer and transferred to Barna Waste Ltd. Recycling Depot, Co.Galway for further segregated, and transferred to Metal Recycling Outlets.

Paper (EWC 20 01 01)

Paper is from Bergin Waste / civic amenity and casual customers over the weighbridge, the paper is put in with the Mixed Dry Recyclables which are transfer to Barna Waste Ltd. Recycling Depot, Co.Galway for sorting on there picking line and then sent on to a recycling outlet.

Cardboard (EWC 15 01 01)

Cardboard packaging is collected from commercial outlets and Co. Councils civic amenity sites it is segregated on site to remove any contaminants. Cardboard is stored in the Recycling Shed prior to transfer to Barna Waste Ltd.Recycling Depot, Co. Galway for further segregation and transfer to a recycling outlet, the remaining cardboard is transferred to Barna Waste t/a Joe Mc Loughlin Waste Disposal Ltd. where two outlets have been utilised for cardboard recycling Failand Paper Service Ltd. & Leinster Environmentals Resource Renewal Centre.

Plastic Packaging (EWC 15 01 02)

Plastic packaging waste is collected from commercial outlets and civic amenity sites it is segregated in the waste transfer building, prior to transfer to Barna Waste Ltd. Recycling Depot, Co. Galway for further segregation and transfer to a recycling outlet; the remaining plastic is transferred to Barna Waste t/a Joe Mc Loughlin Waste Disposal Ltd. where it is stored prior to transfer to Leinster Environmentals Resource Renewal Centre for recycling.

Wood (EWC 17 02 01)

Timber from Commercial waste skips, and civic amenity sites are tripped 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. Three outlets have been utilised for Shredded wood Barna Waste Ltd. Recycling Depot Co. Galway Ballaghaderreen Landfill, Co. Roscommon and Farmers for bedding.

Construction & Demolition (C&D) Soil & Stone (EWC 17 05 04)

Soil & Stone from Construction & Demolition/Commercial skips are segregated. The waste is then loaded into ejector trailers. Three outlets have been utilised for Soil & Stone, Ballaghaderreen Landfill, Co. Roscommon, Thomas Sampey, Co. Roscommon and Roscommon County Council the Soil & Stone is used as in-fill.

Mixed Municipal Waste (EWC 20 03 01)

Mixed Municipal Waste and waste unsuitable for recycling is stored in the waste transfer facility prior to removal. Mixed municipal waste is loaded into waste ejector trailers, approximately twice a day and transferred to landfill. Landfill sites utilised in 2010, include Green Star Kilconnell Landfill, Co. Galway, Ballaghaderreen Landfill Co. Roscommon, Drehid Landfill, Co. Kildare and Derrinumera Landfill, Co. Mayo.

Mixed Dry Recyclables (EWC 20 03 01)

Mixed dry recyclables are collected from Commercial/Domestic outlets and skips. This material is tripped onto the waste transfer floor and any contaminants are removed prior to loading into ejector trailer. This waste is then transferred to Barna Waste Ltd. Recycling Depot Co. Galway for sorting on there picking line and then sent onto a recycling outlet.

Biodegradable Waste (EWC 20 02 01)

Biodegradable Waste from garden and park waste comes from amenity sites and casual customer over the weighbridge, this waste is shredded along with the wood. Three outlets have been utilised for Shredded wood Barna Waste Ltd. Recycling Depot Co. Galway Ballaghaderreen Landfill, Co. Roscommon and Farmers for bedding.

3.0 Quantity & Composition of Waste Recovered

The following table details the total waste tonnage accepted at the facility in 2010. The table also details the end destination for recycled and disposed waste.

Table 1: Quantity & Composition of Waste

EWC	Description	In	Out	Destination	
20 01 40	Metal	191	456	Barna Waste & Recycling Ltd. Headford Road, Co. Galway	
20 01 01	Paper	12	12	Barna Waste & Recycling Ltd. Headford Road, Co. Galway	
15 01 01	C 11 1	1205	644	Barna Waste & Recycling Ltd. Headford Road, Co. Galway	
15 01 01	Cardboard	1305	198	Joe Mc Loughln Waste Disposal Ltd. Drumshanbo, Co. Leitrim	
15 01 02	Plastic	283	84	Barna Waste & Recycling Ltd. Headford Road, Co. Galway	
13 01 02	1 lastic	203	37	Joe Mc Loughln Waste Disposal Ltd. Drumshanbo, Co.Lietrim	
		389	149	Ballaghaderreen Landfill, Aghalustia, Ballaghaderreen,	
17 02 01	02 01 Woodchip/Timber			Co. Roscommon	
			841	Barna Waste & Recycling Ltd. Headford Road, Co. Galway	
17 01 07	Mixed Construction &	5107			
17 01 07	Demolition	3107			
			977	Ballaghaderreen Landfill, Aghalustia, Ballaghaderreen,	
17 05 04	Soil & Stones	124		Co. Roscommon	
3011 & Stolles		124	378	Thomas Sampey, Fairymount, Co. Roscommon	
			14	Roscommon County Council	
			5113	Ballaghaderreen Landfill, Aghalustia, Ballaghaderreen,	
				Co. Roscommon	
20 03 01	Mixed Municipal	12512	28	Barna Waste & Recycling Ltd. Headford Road, Co. Galway	
20 03 01	Waste	12312	206	Drehid Landfill, Carbury, Naas, Co. Kildare	
			2403	Derrinumera Landfill, Newport Road, Castlebar, Co. Mayo	
			7243	Green Star Kilconnell Landfill, Ballinasloe, Co. Galway	
20 03 01	Mixed Dry Recyclables	4331	4577	Barna Waste & Recycling Ltd. Headford Road, Co. Galway	
15 01 07	Glass	34	12	Barna Waste & Recycling Ltd. Headford Road, Co. Galway	
17 08 02	Plaster Board	50	25	Panda Waste, Finglas, Co. Dublin	
16 06 01	Batteries	9	0	Barna Waste & Recycling Ltd. Headford Road, Co. Galway	
20 01 36	WEEE	3	38	Barna Waste & Recycling Ltd. Headford Road, Co. Galway	
16 01 03	Tyres	23	0	Barna Waste & Recycling Ltd. Headford Road, Co. Galway	
20 02 01	Biodegradable	45			
20 01 10	Clothes	1.6	1.6	Textile Recycling Ltd. Tallaght, Dublin 24	

TOTAL	24420	23436
Recycling Tonnage		8443
Disposal Tonnage		14993
Recycling Rate		35%

During our review of our weighbridge reporting data, we identify that we were recording all mixed waste skips as Mixed C&D skips, this has been rectified for going forward in 2011. Weighbridge user have had training on the weighbridge software and use of new EWC Codes to bring them into line with managing the system exactly as it works in the Galway Plant. We are unable to say what percentage of different waste systems were in these skips so we are unable to give any destination for this waste type.

Biodegradable waste is shredded along with wood, so we cannot give a figure for it exact destination.

The total quantity of waste recycled in this reporting period was 8443 Tonnes, out of a total tonnage of

23436 managed at the premises. This means that a recycling rate 35 % was achieved at the facility in the period from 1st January 2010 to the 31st December 2010.

4.0 Environmental Monitoring

Monitoring of Dust, Noise, Surface Water, Surface Water Discharge and Foul Water were carried out at the facility in 2010. Copies of monitoring reports are included in the appendices of this report. A plan detailing the monitoring locations at the site is included in Appendix 1.

4.1 Dust Monitoring

Monitoring Locations

Three dust monitoring gauges (D1, D2 & D3) previously installed at the facility were utilised for dust monitoring. The location of these gauges is illustrated in the Monitoring Points Location Plan located in Appendix 1.

Methodology

Dust monitoring is carried out at the site three times per year, twice during the period May to September. Dust monitoring has been carried out in accordance with Schedule D2 by Complete Laboratory Solutions. Bergerhoff gauges were utilised as specified in the German Institute VD1 2119 Measurement of Dustfall using the Bergerhoff (standard) method.

Results

The results of Dust Monitoring for 2010 are outlined below:

Table 2: Dust monitoring results

Monitoring Point	Licence Limit (mg/m²/day)	Round 1 July 2010 (mg/m²/day)	Round 2 August 2010 (mg/m²/day)	Round 3 November 2010 (mg/m²/day)
D1	350	50	361	124
D2	350	833	889	133
D3	350	316	448	121

Round 1

Dust gauges were erected on the 12th July 2010 and removed on the 10th August 2010. The highest Level of Dust was recorded at D2 (833 mg/m²/day) this was above the Licence Limit value of 350 mg/m²/day

Round 2

Dust gauges were erected on the 10th August 2010 and removed on the 8th September 2010. The highest Level of Dust was recorded at D2 (889 mg/m²/day) this month all the Dust Level were above the Licence Limit value of 350 mg/m²/day, this was due to the increase of vehicles in and out of the site with Ballaghaderreen Landfill closing. As a dust abatement measure we daily sprayed the yard, we also increased the use of our mist sprayer in the waste transfer building, to minimise and eliminate any potential dust nuisances.

Round 3

Dust gauges were erected on the 9th November 2010 and removed on the 9th December 2010. The highest Level of Dust was recorded at D2 (133 mg/m²/day) this was well below the Licence Limit value of 350 mg/m²/day

The daily spraying of the yard and increased use of the mist sprayer has proved to be successful; the dust results for November reflect the success of this action. Copies of dust monitoring reports are included in Appendix 2.

4.2 Noise Monitoring

Monitoring Locations

Noise monitoring was carried out at 4 Noise locations, namely N1, N5, N6, and N7. The location of monitoring points is included in Appendix 1. N1 is an onsite monitoring points: N5, N6, and N7 are defined as noise sensitive locations, and are located at various points outside the site.

Methodology

Noise assessment was carried out by Piotr Nadany, of EURO Environmental Services, on the 16th March 2010 in accordance with parts 1, 2, and 3 of the International Noise Standard "ISO 1996, Acoustics – Description and Measurement of Environmental Noise". Noise Monitoring was carried out in line with the requirement of D4 of Schedule D of waste licence W0163-01

Measurements were taken using a Sound Level Meter – Type 1 (with windshield attached) and selective 1:1 or 1:3 octave band measurements.

Noise monitoring was carried out at the 4 location as identified in Appendix 1. The following measurements was carried out:

• Daytime Broadband measurements were 30 minute intervals, in the set range 30 – 90dB

Results

The results in Table 3 below demonstrate that noise levels at the facility are within EPA day time limits. The results of Octave band analysis of noise monitoring carried out at the site indicate that there in no tonal element in the noise generated by the facility. Copy of Noise survey is attached in Appendix 3

Table 3: Noise Monitoring Results

Monitoring Point	Sampling Interval (minutes)	LAeq	L10	L90
N1	30	61	60	50
N5	30	56	56	47
N6	30	54	55	53
N7	30	51	51	40

At monitoring points N5, N6 and N7 there was no audible or slightly audible sounds. Interference noises at these monitoring locations included traffic movement on the road, noises from activities in the industrial estate and wind blowing through the trees. NI is a boundary location and may not therefore be classified as a noise sensitive location. Main sources of noise were trucks in and out of site entry gate, reverse beeping sirens and forklifts operating.

Octave Band Analysis

Third noise monitoring results are used to identify prominent tonal components in noise. No tonal noise components were detected at any of the monitoring locations.

4.3 Surface Water Monitoring

Monitoring Location

Surface Water emissions from the site are analysis Quarterly for all parameters. There are three licence emission points to Surface Water SW1, SW2, & SD1. Grab samples are taken from 2 monitoring points SW1 (upstream of facility) and SW2 (downstream of facility). SD1 sample is taken at the discharge release point (the stream that flows along the boundary of the site).

Methodology

Surface water sampling was undertaken by submerging the sample container to the stream, in a manner so as to prevent sediment disturbance. Surface Water Discharge sample is taken at the surface water discharge release point. Samples are collected by the EURO Environmental Services Consultant for analysis.

Results

The results for all three monitoring points are outlined in the three tables below.

The waste licence limits for surface water monitoring stipulates an emission limit value for mineral Oils 5 mg/L, and all water samples taken to date, are in compliance with this limit.

Condition 6.3 of the waste licence specifies trigger levels of 25mg/L for BOD Concentration and 35mg/L for Suspended Solids Concentration at monitoring point SD1.

The other parameters are compared to the Maximum Admissible Concentrations (MAC) for surface waters as outlined in the Surface Water Directive 75/440/EEC. All analysed parameters for SW-1 and SW-2 are well below the MAC values for A1, A2 and A3 waters. On 16.03.10 BOD and Suspended Solids exceeded there trigger levels. Insufficient flow within the stream during May and August meant it was not possible to take a sample for analysis of Surface Water Discharge. On 06.10.10 BOD and Suspended Solids exceeded there trigger levels, on that day the interceptor, silt traps and drains were being washed out and desudged, we believe this contribute to the high level of BOD and Suspended, so on 13.11.10 samples were taken again for analysis which resulted in BOD and Suspended Solids within the trigger levels, as shown in Table 6.

Table 4: SW 1 Surface Water Monitoring Results

Parameter	pН	BOD mg/L	Suspended Solids mg/L	Mineral Oils mg/L
Licence Limit				5
16.03.10	7.9	<2	4	0.008
14.05.10	8.1	<2	2	< 0.0025
12.08.10	7.7	7	3	0.0025
06.10.10	7.7	<2	2	0.0025

Table 5: SW 2 Surface Water Monitoring Results

Parameter	pН	BOD mg/L	Suspended Solids mg/L	Mineral Oils mg/L
Licence Limit				5
16.03.10	7.8	2	<2	0.01

14.05.10	7.9	2	9	< 0.0025
12.08.10	7.5	<2	7	0.0025
06.10.10	7.7	<2	<2	0.0025

Table 6: SD1 Surface Water Discharge Monitoring Results

Parameter	рН	H BOD mg/L Suspended Solids mg/L		Mineral Oils mg/L		
Licence Limit				5		
Trigger Levels		25mg/L	35mg/L			
16.03.10	6.7	290	40	0.5		
14.05.10	Insufficient Flow For Sampling					
12.08.10	Insufficient Flow For Sampling					
06.10.10	7.1	340	77	0.09		
13.11.10	N/A	<2	<2	N/A		

N/A:- Not Applicable

4.4 Foul Water Monitoring

Monitoring Location

Emissions from Foul Water are analysis quarterly. There is one Licence Emission Point FW 1. Emission Point FW 1 is located (beside the entrance of waste transfer station).

Methodology

Grad samples are taken from the Foul Water Discharge Location Point.

Samples are collected by the EURO Environmental Services Consultant for analysis.

The results are outlined in the table below. All parameters analysed were within the Limits specified in the waste licence.

Table 7: FW1 Foul Water Monitoring Results

Parameter	pН	COD	BOD	Suspended Solids	Total Phosphates (P)	Temperature
		mg/L	mg/L	mg/L	mg/L	Celsius
Licence Limit	6-8	500	350	300	2	Ambient
16.03.10	8.4	59	45	17	1.92	6.8
14.05.10	7.6	9	<2	2	< 0.031	11.8
12.08.10	7.5	16	7	<2	N/D	22.2
06.10.10	7.5	13	<2	<2	0.067	12.9

N/D: - No data was supplied by the Lab for Total Phosphates, they omitted Total Phosphates from there tests.

5.0 Resource & Energy Consumption

Energy consumption at the facility for the year 2010. Diesel, unleaded and oil usage was determined by examining invoices from the suppliers. Total electricity usage was determined and estimated by examining the bills for the reporting period.

The results are outlined in the table below.

Table 8: Energy Consumption

Resource	Time Period	Quantity	Units
Diesel	Jan – Dec 2010	170.000	Litres
Engine Oil	Jan – Dec 2010	1000	Litres
Hydraulic Fluid	Jan – Dec 2010	1000	Litres
Electricity	Jan – Dec 2010	94180	kWh

6.0 Development and Infrastructural Works

Development works carried out at Bergin Waste Disposal in 2009 included the

- Gullies in the waste transfer building lowered to the correct level.
- Bund wall was enclosed with steel.
- Access to monitoring point SD1 improved.
- A lean-to adjacent to the existing waste transfer building is in the process of completion.
- Technical Amendment to our licence.

Development work planned for 2011

- Completion of Lean-to.
- Enclosure/Completion of Recyclables storage building.
- Completion of erection of perimeter fencing on the north-eastern side of the site.
- Improve hard standing area on permitted site.

BARNA WASTE T/A BERGIN WASTE DISPOSAL LTD

Schedule of Objectives and Targets

Environmental Management Plan

2010 / 2011

Submitted January 2011

WASTE LICENCE REGISTRATION NO: W0163-01

LICENSEE: Barna Waste

LOCATION OF ACTIVITY: Ballaghaderreen Industrial Estate

Ballaghaderreen Co. Roscommon

ATTENTION: Mr. John Gibbons

EPA

Office of Environmental Enforcement

Castlebar

PREPARED BY: Ms. Ann Clarke

(Barna Waste)

CONTRIBUTIONS FROM: Mr. John Langan

(Site Manager/Deputy Facility Manager)

INTRODUCTION

As a requirement of Waste Licence W0163-01 Bergin Waste requires to have available a Schedule of Environmental Objectives and Targets as stated in condition 2.3.2 of our Waste Licence which states:-

"The objectives should be specific and the targets measurable. The Schedule shall address a five-year period as a minimum. The schedule shall include a time-scale for achieving the objectives and targets and shall comply with any other written guidance issued by the Agency."

Previous Objectives and Targets were very specific to Licence requirements and did not go beyond this and the EPA have asked for the document to be republished.

This report was initially submitted in October 2010, and is now being re-submitted addressing new targets in January 2011 and this will be updated annually to the Agency thereafter.

Update on Targets and Objectives (from October 2010)

The objectives and targets set in October 2010 are listed below. As advised by the EPA previously we tried to identify actions that can be easily measured and also tried to ensure that most of the actions are related to issues outwith our Waste Licence. Updates on all targets we set in October are listed below.

7.1 Table 9 Schedule of Objectives & Targets – report on the progress towards achievement of the Environmental Objectives & Targets set in October 2010

OBJECTIVE / TARGET	Owner	Completion Target	Status
EMS system – review current EMS system and	Facility Manager	Ongoing	Ongoing
develop to ISO 14001 standard as per the companies	Operations Manager		
facility in Galway ensuring all departments			
processes and procedures are included in the			
company EMS system			
Facility amenities – complete the upgrade and	Managing Director	Q4 2010	Completed
relocation of the companies administration, canteen	Operations Manager		
& toilet offices			
Ensure all damaged sheeting on sheds or damaged	Facility Manager	Ongoing	Ongoing
concrete walls are repaired to a high standard and	Operations Manager		
maintained on a regular basis			
Site security – ensure site security fencing is	Facility Manager	Q4 2010	Ongoing
repaired to a high standard and maintained on a	Operations Manager		
regular basis			
Traffic Control – arrange for road markings	Health & Safety	Q1 2011	Ongoing
around the site to be fully installed to help	Manager / Operations		
customers move safely around the site	Manager / Facility		
·	Manager		
Skip Storage – improve housekeeping of the skip	Facility Manager	Q4 2010	Ongoing
storage area and specify designated areas for skips	Operations Manager		
to be stored. Organise empty skips & bins in a			
controlled manner as neat & tidily as possible so			
that the area appears well managed			
Remove all skips of commercial and non recyclable	Facility Manager	Immediate	Completed
waste out of non licenced area of the site and store	Operations Manager	- Q4 2010	1
them only within the licence boundary			
Housekeeping - clear the site of all stored materials	Operations Manager	Immediate /	Ongoing
that can be accepted in Galway as soon as a full load		Ongoing	
accumulates. Only items which can not be			
processes in Galway should be left on site. Improve			
hardstanding areas on the site			
Non Licenced Site – draw up a list of all items which	Operations Manager	Q4 2010	Completed
can not be moved or processed in Galway and find	Facility Manager	_	_
markets for the proper disposal / recycling of these			
materials			
Non Licenced site – discuss a proposal / application	Operations Manager	Q4 2010	Completed
with the EPA to have this site integrated into the	Facility Manager		_
EPA licence			
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Litter controls – continue the process of assigning a	Facility Manager	Ongoing	Ongoing
member of each Production Shift to litter duty as	Operations Manager		
part of continuous improvement in this area	E '1', M	01.2011	B. #* 4
Dust control – implement a proper dust control	Facility Manager	Q1 2011	Mist sprayer
system inside the waste transfer sheds to control	Operations Manager		installed in the
dust levels during operational hours. This should			waste transfer
be permanent and reflect the latest technology			building
available	Equility Managan	Deiler	Ongoing
Dust control – continue the process of daily controls	Facility Manager	Daily -	Ongoing
at the site by use of water or the best means	Operations Manager	ongoing	
available	Managina Dinastan	Chart anaisse	0
Construction / Development – It is proposed to fully	Managing Director	Start project	Ongoing
enclose the dry recycling storage shed which is	Operations Manager	by end Q1	
located on site, for which planning was approved in		2011	
April 2006. The development will consist of the			
erection of steel girders and extension of the roof to			
match the existing ridge level and roof pitch. One entrance/exit, fitted with roller shutter door, will be			
provided for the building. It is expected that this			
development will improve the storage capacity for			
recyclables on site. The quality of stored recyclables			
will also be improved as they will be protected from			
the elements of wind and rain. In addition the			
enclosure of this building will reduce the risk of			
wind blown litter			
Bunded Areas – establish better controls of the	Facility Manager	Q4 2010	Ongoing
bunded areas on site and organise them to ensure	Operations Manager	Q. 2010	ongoing
they meet the required environmental and health	- F		
and safety requirements reducing the risk of			
accidents or environmental pollution			
Environmental Targets – continue to develop the	Facility Manager	Q4 2010	Ongoing
energy and power saving programme within the	Operations Manager	Q. 2010	o ngo ng
waste transfer station to reduce the usage during	- F		
both operational and non operating hours			
Environmental Targets – improve drainage	Facility Manager	Q4 2010	Survey to be
network around the site and get hold of up to date	Operations Manager	2.2010	carried out on
drainage drawing for our records. Ensure an	3 F		drainage system,
underground survey of all tanks, pipes, drums etc is			drainage
carried out by an independent contractor without			drawing
delay			completed
			_
Operation Controls in relation to machine	Operations Manager	Ongoing	Ongoing
maintenance – continue to develop the maintenance	Health & Safety		~ 8
programmes for all operational equipment	Manager		
(stationary and mobile plant)			
Operational control – identify a suitable location	Operations Manager	Q4 2010	Location found,
and then design and relocate the quarantine area on	Facility Manager	2.2010	work has not
site	1.1mmgv1		been completed
			on lean-to todate
		1	on round

Safety - continue the vaccination programme for	Operations Manager	Ongoing	Ongoing
employees against Hepatitis A & B	Health & Safety		
	Officer		0 :
Safety - implement weekly checks of fire fighting	Operations Manager	Ongoing	Ongoing
equipment to ensure everything is in good working	Health and Safety		
order	Officer	04.2044	0 .
Training - put another member of staff through the	Operations Manager	Q4 2011	Ongoing
FAS Waste Management Course if possible	77 111 3.6	0.4.004.0	~
Training – develop a training policy and training	Facility Manager	Q4 2010	Completed
matrix to be included in the EMS to assist with			
control / identification of training requirements			T - 1
Management Review – ensure a management	Management Team	Q4 2010	Ongoing
review meeting is held at least once per annum to			
discuss training, staffing and progress in general.			
Minutes of the meeting should be recorded.			
Communications – continue to develop the website	Management Team	Q4 2010	Ongoing
via customer feedback to ensure the best possible			
service to customer is provided and that this tool is			
utilised to its full potential			
Cost Saving – Work towards maximising cost	Management Team /	Ongoing	Ongoing
savings in all areas due to current economic	All Staff		
climate. This should incorporate both production			
and administration areas. Review on a quarterly			
basis			
Stock control/storage – Implement a new	Operations Manager	Q4 2010	Completed
permanent storage area for all Health and Safety			
workwear			
Emissions for the site – review all current	Facility Manager	Q4 2010	Completed
monitoring reports and identify areas of concern in			
relation to emissions. After next set of results of			
each area if results are repeated define a procedure			
for immediate investigation of such issues moving			
forward. This list should be maintained and			
available for review by the EPA when they are on			
site. This will ensure all results are reviewed and			
investigated immediately.	2	0.4.20.4.0	
Site monitoring locations – improve access to / from	Operations Manager	Q4 2010	Access made as
and signage at all monitoring points at the facility	Facility Manager		accessible as
			possible, all
			signage in place
Site entrance – erect new site notice board at the	Facility Manager	Q4 2010	Completed
Entrance of the facility	1 active intuitages	Q 1 2010	Compieted
Operational activities – ensure a system of work is	Operations Manager	Immediate –	Completed
implemented that will ensure the door of the waste	operations manager	Q4 2010	Compicio
transfer station is closed at all times during hours		Q 1 2010	
of processing			
Ensure remedial works are carried out to ensure	Facility Manager	Immediate –	Completed
water on the floor of the waste transfer station is	i actificy ividinazei	Q4 2010	Compicio
under control and does not accumulate		Q+ 2010	
unuel control and does not accumulate			

Ensure a stock of oil absorbent material is always available on site in the form of either granules or biodegradable chemical in Galway Carry out training ASAP with all staff in relation	Facility Manager Operations Manager Facility Manager	Immediate – Q4 2010	Completed Completed
to working with oil spills and emergency spills in general on site	Operations Manager Health & Safety Manager	Q4 2010	
Re-submit a new version of the company target & objectives for 2010 and define how these will be managed moving forward	Facility Manager	Immediate – Q4 2010	Completed
Initiate a weekly review meeting to discuss issues highlighted in site inspection reports and ensure results of these meetings are documented for review by the EPA	Facility Manager Operations Manager	Immediate – Q4 2010	Completed
Initiate a review of current waste in / out records and identify the issues and implement corrective actions to ensure these are corrected	Facility Manager	Immediate – Q4 2010	Completed
Carry out full training on weighbridge software and ensure the office in Ballaghaderreen is managed exactly as the system works at the Galway site	Facility Manager	Immediate – Q4 2010	Completed
Ensure full access to weighbridge data is available to the Facility Manager and training carried out on the running of these reports as soon as possible	Facility Manager	Immediate – Q4 2010	Completed
Implement a system where weighbridge data is tracked and reviewed on a weekly basis moving forward	Facility Manager	Immediate – Q4 2010	Completed
Produce a company organisation chart specifically for the facility in Ballghaderreen which also includes experience / qualifications of the senior staff	Facility Manager	Immediate – Q4 2010	Completed
Review current Environmental Liabilities Risk Assessment Report including financial provision for restoration / aftercare and get it reviewed / updated to reflect current set-up as soon as possible	Facility Manager	Immediate – Q4 2010	Completed

New Targets & Objectives for 2011

The targets and objectives for 2011 are listed below. As advised by the EPA previously we have tried to identify actions that can be easily measured and also tried to ensure that most of the actions are related to issues outwith our Waste Licence.

For the purpose of this year's submission (as in previous years) targets are based on priorities for the next year but are obviously set with the long term goals of the facility in mind.

Any targets not achieved during 2010 have automatically been included again below. Targets / actions which are relevant on an ongoing basis but are deemed important enough to keep being included in this document are also listed. We feel it important to document them even although they will permanently be on the document to ensure focus is kept on achieving these targets.

7.2 Environmental Management Programme – Schedule for the forthcoming year (2011)

EMS system - continue the review and	Facility Manager	Ongoing	
development of the EMS system ensuring all	Operations Manager		
departments processes and procedures are			
included in the company EMS system			
Ensure all damaged sheeting on sheds or	Facility Manager	Ongoing	
damaged concrete walls are repaired to a high	Operations Manager		
standard and maintained on a regular basis			
Introduce a maintenance programme for the	Operations Manager	Q1 2011	
site weighbridge to improve appearance and	Health & Safety		
importance, arrange for erection of sign at first	Officer		
office directing customers to weighbridge to			
avoid confusion for customers using site			
Site security – ensure completion of erection of	Facility Manager	Q1 2011	
perimeter fencing on the north-eastern side of	Operations Manager		
the site, ensure all fencing is maintained to a			
high standard			
Traffic Control – Arrange for road markings	Health & Safety	Q1 2011	
around the site to be fully installed to help	Manager / Operations		
customers move safely around the site	Manager / Facility		
	Manager		
Litter controls – continue the process of	Facility Manager	Ongoing	
assigning a member of each Production Shift to	Operations Manager		
litter duty as part of continuous improvement			
in this area			
Dust control – continue to use the dust	Facility Manager	Ongoing	
abatement measures, to minimize and eliminate	Operations Manager		
any potential dust nuisances			
Construction / Development – enclose recycling	Managing Director	Start	
storage building, to increase storage capacity	Operations Manager	project by	
and improve quality of recyclables, complete		end Q1	
work on lean-to, and improve hard standing		2011	
area on permitted site			
<u> </u>		l l	

Bunded Areas – establish better controls of the bunded areas on site and organise them to	Facility Manager Operations Manager	Q1 2011	
ensure they meet the required environmental			
and health and safety requirements reducing the risk of accidents or environmental pollution			
Environmental Targets – continue to develop	Facility Manager	Q1 2011	
the energy and power saving programme within	Operations Manager	Q1 2011	
the waste transfer station to reduce the usage	- F		
during both operational and non operating			
hours			
Environmental Targets – Drainage Survey to be	Facility Manager	Q1 2011	
carried out	Operations Manager	0.1.0.1.1	
Operation Control – continue to develop the	Operations Manager	Q1 2011	
maintenance for operation equipment, design and relocate the quarantine area			
Non Licenced site –discuss a proposal /	Facility Manager	Q1 2011	
application with the EPA to have this site	Operations Manager		
integrated into the EPA licence			
Non Licenced Site - Housekeeping: clear the	Operations Manager	Ongoing	
permitted site of all stored materials that can be			
accepted in Galway as soon as a full load accumulates. Only items which can not be			
processes in Galway should be left on site			
Stockpile – improve the speed and efficiency of	Operations Manager	Ongoing	
shipping recyclables material to Galway		3	
House keeping – ensure minimum amount of	Operations Manager	Ongoing	
skips for processing are stored outside, and that			
these are stored as tidily and as organized as			
possible	0 4 14		
Safety - continue the vaccination programme for employees against Hepatitis A & B	Operations Manager Health & Safety	Ongoing	
for employees against nepatitis A & B	Officer		
Safety - implement weekly checks of fire	Operations Manager	Ongoing	
fighting equipment to ensure everything is in	Health and Safety		
good working order	Officer		
Management Review – ensure a management	Management Team	Ongoing	
review meeting is held at least once per annum to discuss training, staffing and progress in			
general. Minutes of the meeting should be			
recorded			
Monitoring – carry out a tender for monitoring	Facility Manager	Ongoing	
programmes during 2011 to identify the best			
partners for all types of monitoring and try to			
Lyran the same contractors on all of Dame	1		
use the same contractors on all of Barna			
Waste's sites. This should also been done with			
Waste's sites. This should also been done with cost saving in mind	Operations Managar	Ongoing	
Waste's sites. This should also been done with cost saving in mind Training – identify any training requirements	Operations Manager Health and Safety	Ongoing	
Waste's sites. This should also been done with cost saving in mind	Operations Manager Health and Safety Officer	Ongoing	

Training – Continue training for all staff on weighbridge software and use of new EWC codes	Facility Manager	Ongoing	
Training - put another member of staff through	Operations Manager	Q1 2011	
the FAS Waste Management Course if possible			
Cost Saving – Work towards maximising cost	Management Team /	Ongoing	
savings in all areas due to current economic	All Staff		
climate. This should incorporate both			
production and administration areas, carry out			
regular checks of expenditure, review on a			
quarterly basis) f	01.2011	
Submit an application for increase of tonnage	Management Team	Q1 2011	
accepted on site, examine possibilities of			
diverting some tonnage to other sites (e.g.			
McLoughlin, Greenstar Sligo, Barna Galway)			
to decrease pressure on this site			
Tank & pipeline testing – Carry out a survey of	Facility Manager	Q1 2011	
all under ground pipes and tanks	Operations Manager		
IT – improve IT links in relation to all company	Management Team	Q1 2011	
sites so that information is accessible &			
transferable at all time			

7.0 Environmental Incidents & Complaints

We had five environmental incidents in 2010; we had two Non-Compliances with condition 6.3.1, two Non-Compliances with condition 6.7.1.1 and a Non-Compliance with condition 1.1 and Schedule A of our waste licence.

8.0 Pollution Emission Register - Report for Previous year

Our facility Pollution Emission Main Economic Activity is Treatment and Disposal of Non-Hazardous Waste. Our PRTR Class Activity Number: - 50.1, Activity Name: - General. NACE Code:-3821. There were no Environmental Pollution Emission incidents or complaints for Bergin Waste Disposal Ltd at the site in 2010.

9.0 Pollution Emission Register - Report for Current year

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

10.0. Other Information

10.1. Tank & Pipeline Testing & Inspection Report

In accordance with Condition 3.14.3 the integrity and water tightness of all underground pipes and tanks and their resistance to penetration by water or other materials carried or stored therein shall be tested at least once every three years and reported to the agency, in accordance with our licence this work will be carried out in 2011.

10.2. Financial Provision

Bergin 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 incident taking place at the site.

10.3. Management & Staffing Structure

Bergin Waste Disposal Ltd is under the Management of John Langan who has worked in the waste business for 13 years, Facility Manager is Ann Clarke. The Facility Manager completed the FAS Waste Management Course in 2007.

10.4. Programme for Public Information

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

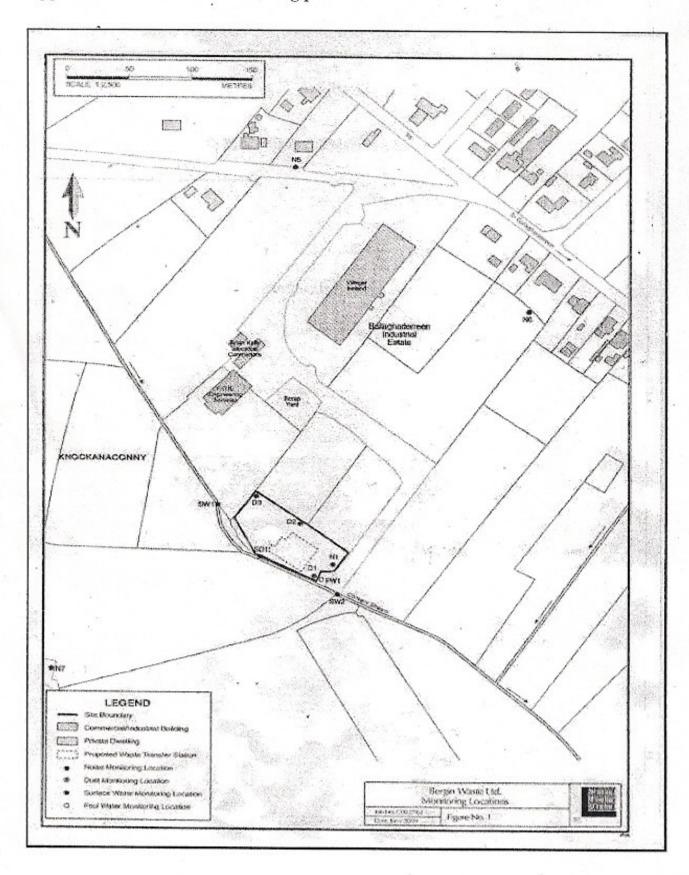
10.5 Statement of measures in relation to prevention of Environmental Damage & Remedial Action

All activities carried out at the facility are under taken in a manner so as not to cause Environmental Pollution. Specific measures include:

- Monitoring of Emissions
- Weekly inspections of facility
- Control of waste contractors
- Spraying with water to remove Dust nuisances
- Removal of wind blow litter
- Processing of waste indoors only, to prevent, litter, dust, odour and noise nuisance

Appendix 1 Location of Monitoring Points

Appendix 1 Location of monitoring points



Appendix 2 Dust Monitoring Results

Dust Monitoring Report 2010

Bergin Waste Disposal Ltd.

Waste Licence no. W0163-01

Introduction

Dust monitoring is required in accordance with waste licence no W0163-01. Dust Monitoring is carried out at 3 locations, around the facility (D1-D3).

- ➤ D1 Entrance to site
- ➤ D2 Located Mid Site
- ➤ D3 Located Rear of Site

Dust Monitoring

Dust monitoring is required 3 times per year, twice during the period May – September. Dust gauges are placed at each monitoring point to collect Dust for 30 days.

The Dust gauges are analysis for Total Dust Deposition (mg/m²/day).

Methodology

Dust gauges are installed at each location and left for a period of 30 days, after which time, the gauges are collected by Complete Laboratory Solutions and taken to there Laboratories for analysis.

Results

The results from Dust samples are presented in table 1 below.

Table 1:Total Dust Deposition (mg/m²/day)

Monitoring Point	Licence Limit (mg/m²/day) ELV	Round 1 July 2010 (mg/m²/day)	Round 2 August 2010 (mg/m²/day)	Round 3 November 2010 (mg/m²/day)
D1	350	50	361	124
D2	350	833	889	133
D3	350	316	448	121

Round 1

Dust gauges were erected on the 12th July 2010 and removed on the 10th August 2010. The highest Level of Dust was recorded at D2 (833 mg/m²/day) this was above the Licence Limit value of 350 mg/m²/day

Round 2

Dust gauges were erected on the 10th August 2010 and removed on the 8th September 2010. The highest Level of Dust was recorded at D2 (889 mg/m²/day) this month all the Dust Level were above the Licence Limit value of 350 mg/m²/day, this was due to the increase of vehicles in and out of the site with Ballaghaderreen Landfill closing. As a dust abatement measure we daily sprayed the yard, we also increased the use of our mist sprayer in the waste transfer building, to minimise and eliminate any potential dust nuisances.

Round 3

Dust gauges were erected on the 9th November 2010 and removed on the 9th December 2010. The highest Level of Dust was recorded at D2 (133 mg/m²/day) this was well below the Licence Limit value of 350 mg/m²/day

The daily spraying of the yard and increased use of the mist sprayer has proved to be successful; the dust results for November reflect the success of this action.

Appendix 3 Noise Monitoring Results

Barna Waste Ltd.

Ballaghadereen, Co. Roscommon.

Annual Environmental Noise Monitoring Report - 2010 Waste Licence Reg. No. 163-01

29th March 2010

EURO environmental services

Unit 35 Boyne Business Park, Drogheda, Co Louth

Report No. 3210/M21

1.0 Introduction

An annual noise survey was carried out at the premises of Barna Waste Ltd., Ballaghadereen, Co. Roscommon on the 16th of March 2010 by Piotr Nadany of EURO environmental services. Four pre-determined locations were monitored for noise as set out in Schedule D.1 of Waste Licence 163-01.

2.0 Duration and Measurements of Surveying

The survey was carried out between 11:58 and 14:19 on Tuesday the 16th of March 2010. The following measurements were carried out:

- Daytime Broadband measurements L(A)_{eq}, L(A)₁₀, and L(A)₉₀, over a 30 minute period.
- Daytime 1/3 Octave Band measurements over a 30 minute period in the range 25 Hz to 16 kHz.

2.1 Description of Measurement Parameters

- 2.1.1 L_{eq} Values: L_{eq} (t) values represent the continuous equivalent sound level over a specified time (t). This value expresses the average levels over time and is a linear integral.
- 2.1.2 L_{90} and L_{10} Values: The L_{90} and L_{10} are statistical values which represent the sound levels exceeded for a percentage of the measurement time. L_{10} indicates the sound levels exceeded for the 10% of the monitoring period while L_{90} indicates the sound levels exceeded for 90% of the monitoring period. The L_{90} value is a good indication of background noise levels.
- 2.1.3 Tonal and Impulsive Characteristics: Tonal noise is characterised in accordance with ISO 1996-2, which indicates that a noise source being tonal at a particular frequency is either clearly audible or exceeds the level of the adjacent bands by 5dB or more. An impulsive noise is of short duration (typically less than 1 second), it is brief and abrupt, and its startling effect causes greater annoyance than would be expected from a simple measurement of sound pressure level. For example an instantaneous bang/thud that may be associated with pile driving, hammering etc.

3.0 Weather Conditions

Weather conditions were dry with a slight wind. Wind speeds were <5m/sec.

4.0 Location of Monitoring Points

•N1 is located next to main gate.

GPS coordinates: N 53° 54' 10.6" W 08° 35' 23.8"

•N5 is located approximately 10 meters away from West site boundary.

GPS coordinates: N 53° 54' 22.00" W 08° 35' 26.00"

•N6 is located approximately 60-70 meters away from North East site boundary.

GPS coordinates: N 53° 54' 19.10" W 08° 35' 18.40"

•N7 is located approximately 50 meters away from North East corner of site boundary.

GPS coordinates: N 53° 54' 02.50" W 08° 35' 34.70"

5.0 Activities on Site

Activities continued as normal during the noise survey. Main sources of noise were produced by trucks passing site entry gate, site traffic, reverse beeping sirens and forklifts operating.

At monitoring points N5, N6 and N7 there were no audible or slightly audible sounds which originated from the Barna Waste facility. Interference noises at these monitoring locations included traffic movement on the road, noises from activities in the industrial estate and wind blowing through the trees.

6.0 Methodology

The noise survey was carried out in accordance with ISO 1996/1/2/3 – Acoustics – Description and Measurement of Environmental Noise.

Reference was also made to the guidance note issued by the Environmental Protection Agency for the assessment of noise from licensed facilities.

Broadband measurements were 30-minute intervals, in the set range 30 – 90dB.

The meter was calibrated before and after the survey.

7.0 Equipment

The monitoring equipment used was a B&K 2250 Type 1 integrating averaging sound level meter with Serial No. B14907FF and selective 1:1 or 1:3 octave band measurements.

The meter was fixed to a tripod 1.3 meters above the ground level and the microphone was protected using a windshield. The microphone cartridge type was an MK224, Serial No. 990785 with open circuit sensitivity level of 45.4 mV per Pa.

7.1 Calibration

Calibration was carried out on site using an acoustic calibrator at 94 dBA. The meter was calibrated before and after the monitoring round.

Day Time Noise Measurements 8.0

	1			Γ
Comments	Noise at monitoring point N1 was due to trucks passing by the main gate, a con-saw operating on site and forklifts operating on site. Interference noise at this location was generated by the wind blowing through the trees.	There was no noise audible from the Barna Waste facility at this monitoring location. Noise levels recorded at this location are due to interference noise generated by the movement of traffic and other activities in the Industrial Estate.	Noise at monitoring point N6 was due to the passage of trucks on the site road and intermittent banging sounds. The main source of noise at this location was due to interference noise generated by the ventilation system, birds singing and metal banging sounds from another factory next to the site.	There was no noise audible from the Barna Waste facility at this monitoring location. Noise levels recorded at this location are due to interference noise generated by the movement of traffic and birds singing.
L(A)30	20	47	53	40
L(A)10	09	56	55	51
L(A)eq	<mark>61</mark>	5 6	54	51
Sampling Interval (minutes)	30	30	30	30
Date / Time	16/03/10 11:58	16/03/10 13:39	16/03/10 12:18	16/03/10 14:19
Location	Next to main gate. GPS coordinates: N 53° 54' 10.6" W 08° 35' 23.8"	GPS coordinates: N 53° 54' 22.00" W 08° 35' 26.00"	GPS coordinates: N 53° 54' 19.10" W 08° 35' 18.40"	GPS coordinates: N 53° 54' 02.50" W 08° 35' 34.70"
Monitoring Point	Z	N5	9N	N7

Page 5 of 7

9.0 Third Octave Noise Measurements

Third octave noise monitoring results are used to identify prominent tonal components in noise. No tonal noise components were detected at any of the monitoring locations.

10.0 Summary and Conclusions

Noise levels were determined at four monitoring locations (N1, N5, N6 and N7), one within the Barna Waste site and the other three outside of the site boundary.

The EPA waste licence for the facility recommends a day time noise limit of 55 dB(A). This limit was exceeded at two monitoring locations (N1 and N5).

N1 exceeded the recommended day time noise limit with an L_{Aeq} of 61 dB(A). The L(A)₉₀ value at this location was 50 dB(A) which is used as an indicative value for background noise levels in the area. This is the sound pressure level exceeded for 90% of the monitoring period. During the course of the survey, trucks passed the monitoring location generating noise and as a result would have increased the L_{Aeq} value. Noise was also generated from forklifts operating on site.

N5 exceed recommended day time noise limit with an L_{Aeq} of 56 dB(A). The L(A)₉₀ value at this location was 47 dB(A). The L_{Aeq} result is caused by interferences noises audible at this location which included traffic and general activities in the Industrial Estate.

Noise levels at location N6 was determined to be within recommended day time noise limit with an L_{Aeq} of 54 dB(A).

Noise levels at location N7 was determined to be within the recommended day time noise limit with an L_{Aeq} of 51 dB(A).

Aadil Khan

Environmental Technical Manager

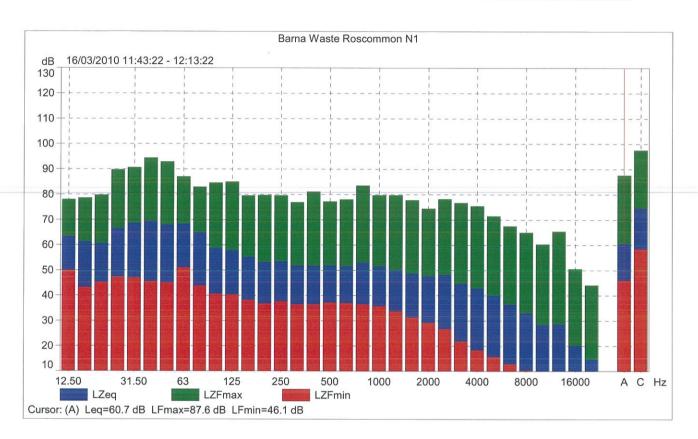
Ewa Pight

Environmental Technician

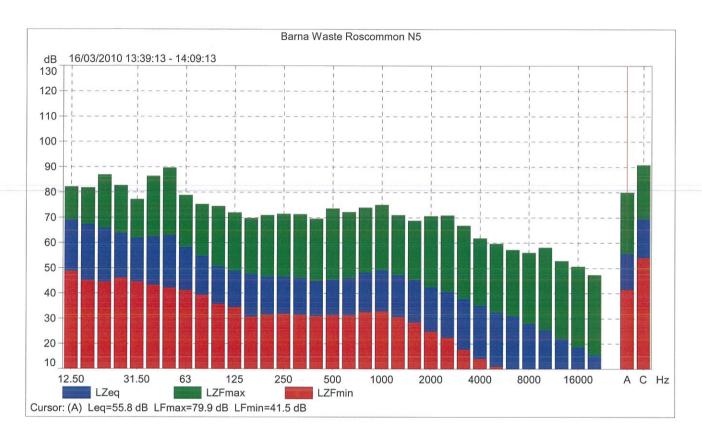
29th March 2010

Appendix 1: Broadband Data and 1/3 Octave Spectra

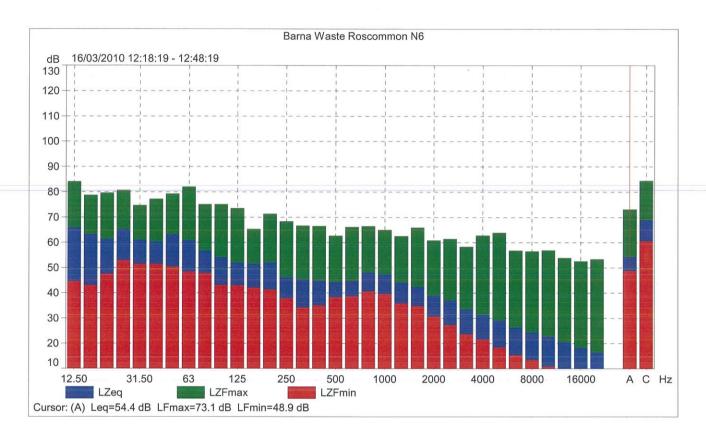
	Start	End	Overload	LAFmax	LAFmin	LAeq	LAF10	LAF90	LCpeak
	time	time	[%]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]
Value	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		0.00	87.6	46.1	60.7	59.7	50.1	105.7
Time	11:43:22	12:13:22							11:50:45
Date	16/03/2010	16/03/2010							16/03/2010



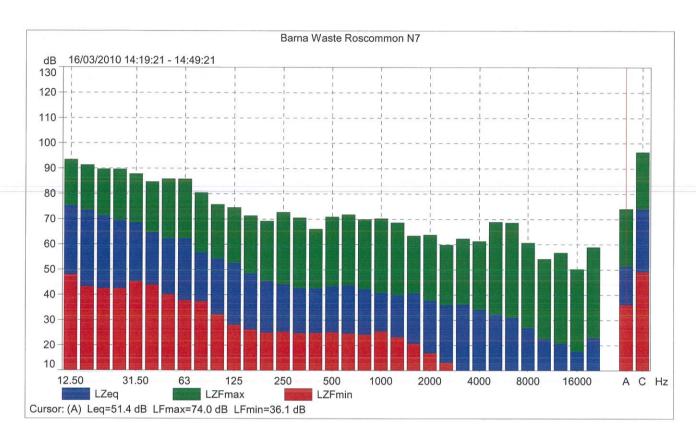
	Start	End	Overload	LAFmax	LAFmin	LAeq	LAF10	LAF90	LCpeak
	time	time	[%]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]
Value			0.00	79.9	41.5	55.8	55.9	46.8	99.3
Time	13:39:13	14:09:13							13:39:28
Date	16/03/2010	16/03/2010							16/03/2010



	Start	End	Overload	LAFmax	LAFmin	LAeq	LAF10	LAF90	LCpeak
	time	time	[%]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]
Value			0.00	73.1	48.9	54.4	55.4	52.6	101.0
Time	12:18:19	12:48:19							12:20:31
Date	16/03/2010	16/03/2010							16/03/2010



	Start	End	Overload	LAFmax	LAFmin	LAeq	LAF10	LAF90	LCpeak
	time	time	[%]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]
Value			0.00	74.0	36.1	51.4	50.9	39.6	107.5
Time	14:19:21	14:49:21							14:39:54
Date	16/03/2010	16/03/2010							16/03/2010



Appendix 4 Additional Information

Barna Waste T/A Bergin Waste Disposal Ltd. EPA Waste Licence W0163-01				
Procedure no.	P6	Description	Communications Programme	
Issued by:	AC	Date	04/01/10	

1.0 Scope

Provides for public access to Environmental Information at the facility.

2.0 Responsibility

The Facility Manager is responsible for implementing this procedure

3.0 References

4.0 PROCEDURE

- 4.1. Condition 2.4.1 of Waste Licence W0163-01 requires the implementation of a communications programme to ensure that members of the public can obtain information at the facility, at all reasonable times, concerning the environmental performance of the facility.
- 4.2. Barna Waste T/A Bergin Waste Disposal Ltd. will provide public access to the following documentation on site:
 - Waste Licence no. W0163-01
 - Annual Environmental Report, for the previous year.
- 4.3. Opening hours for the inspection of these documents on site, is between 9am and 4pm, Monday to Friday
- 4.4. Visits to the site, for the purpose of inspection of the above documentation should be arranged in advance by ringing the Site at 094 9860807
- 4.5. Records of any environmental complaints made by the public in relation to Bergin Facility shall be retained on site, and any such complaints responded to in accordance with P4 Environmental Complaints Procedure.
- 4.6. In addition, members of the public can access environmental information in relation to the Facility by visiting the EPA's Regional Inspectorate Office, John Moore Road, Castlebar, Co. Mayo, and checking the Public file. Visits must be arranged in advance by contacting the EPA at 094 9021588.

Appendix 5 PRTR Emission Data Information

| PRTR# : W0163 | Facility Name : Bergin Waste Disposal Limited | Filename : W0163 2010 PRTR.xls | Return Year : 2010 |



Guidance to completing the PRTR workbook

AER Returns Workbook

Version 1.1

REFERENCE YEAR 2010

1. FACILITY IDENTIFICATION	
----------------------------	--

Parent Company Name	Bergin Waste Disposal Limited
Facility Name	Bergin Waste Disposal Limited
PRTR Identification Number	W0163
Licence Number	W0163-01

Waste or IPPC Classes of Activity

No.	class_name
	D.

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

 Repackaging prior to submission to any activity referred to in a
- 3.12 preceding paragraph of this Schedule.

Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending 3.13 collection, on the premises where the waste concerned is produced.

- 3.13 collection, on the premises where the waste concerned is produced Use of waste obtained from any activity referred to in a preceding 4.11 paragraph of this Schedule.
- 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 4.13 produced.

 Beyoling or reclamation of organic substances which are not user
 - Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological
- 4.2 transformation processes).
- 4.3 Recycling or reclamation of metals and metal compounds.
- 4.4 Recycling or reclamation of other inorganic materials.

Address 1	Ballaghaderreen Industrial Estate
Address 2	Ballaghadereen

Address 3 County Roscommon Address 4

Country Ireland

Coordinates of Location -8.5906 53.9031
River Basin District IEGBNISH

NACE Code 3821

Main Economic Activity Treatment and disposal of non-hazardous waste

AER Returns Contact Name Ann Clarke

AER Returns Contact Email Address aclarke@jmlwaste.ie

AER Returns Contact Position Facility Manager
AER Returns Contact Telephone Number 094-9860807 / 071 9641103

AER Returns Contact Mobile Phone Number

AER Returns Contact Fax Number 094 9860878

Production Volume
Production Volume Units

Number of Installations
Number of Operating Hours in Year

Number of Operating Hours in Year Number of Employees User Feedback/Comments

Web Address

2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
50.1	General
50.1	General

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

SOLVENTS REGULATIONS (S.I. No. 543 of 2002)
Is it applicable?
Have you been granted an exemption?
If applicable which activity class applies (as per
Schedule 2 of the regulations) ?
Is the reduction scheme compliance route being
used ?

24/3/2011 14:30

SECTION A: SECTOR SPECIFIC PRTR POLLUTANTS

Data on ambient monitoring of storm/surface water or groundwater, conducted as part of your licence requirements, should NOT be submitted under AER / PRTR Reporting as this only concerns Releases from your facility

	RELEASES TO WATERS				Please enter all quantities	in this section in KC	is	
POLLUTANT					QUANTITY			
				Method Used				
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

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

SECTION B: REMAINING PRTR POLLUTANTS

	RELEASES TO WATERS	Please enter all quantities in this section in KGs							
	POLLUTANT						QUANTITY		
				Method Used					
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year	
					0.0	0.0	0.0	0.	

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

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

		RELEASES TO WATERS	Please enter all quantities in this section in KGs									
		POLLUTANT								QUANTITY		
					Method Used	SW1		SW2				
											F	
	Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1		Emission Point 2	T (Total) KG/Vear	A (Accidental) KG/Year		ugitive) G/Year
1	i Gildica i a 140.	Name	W/O/L	INICIAIDA COAC	Designation of Description	LIIII33IOIII OIIIL I		LIIII33I0III OIII(L	1 (Total) Na/Tour	ira/raa	110	a/ I Cui
	324	Mineral oils	М	PER	Analysis by accredited lab		0.2325	0.2625	0.	495	0.0	0.0
	240	Suspended Solids	M	PER	Gravimetric		165.0	300.0	46	5.0	0.0	0.0
	303	BOD	M	PER	Gravimetric		195.0	120.0	3.	5.0	0.0	0.0

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

(Total Flaring Capacity)

N/A

(Total Utilising Capacity)

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SECTION A: SECTOR SPECIFIC PRTR POLLUTANTS

	RELEASES TO AIR				Please enter all quantities i	in this section in KG	S		
	POLLUTANT			METHOD		QUANTITY			
				Method Used					
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	Α	(Accidental) KG/Year	F (Fugitive) KG/Year
					0.0		0.0	0.0	0.0

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

SECTION B: REMAINING PRTR POLLUTANTS

Total estimated methane generation (as per

Net methane emission (as reported in Section

	RELEASES TO AIR				Please enter all quantities	in this section in KG	\$	
POLLUTANT				METHOD	QUANTITY			
			Method Used					
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Yea	r F (Fugitive) KG/Year
					0.	0	0.0	0.0

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

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

site model Methane flared

Methane utilised in engine/s

		RELEASES TO AIR				Please enter all quantities in this section in KGs						
		POLLUTANT		METH	OD					QUANTITY		
				Method Used								
									A (Accidental)		F (Fugitive)	/
	Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	Emission Point 2	Emission Point 3	T (Total) KG/Year	KG/Year	KG/Year	
					Bergerhoff TA Luft VD2119							
210		Dust	M	PER	method	10700.0	37100.0	17700.0	65500.0	(J.0	0.0
		* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button										

Additional Data Requested from Land	Additional Data Requested from Landfill operators								
flared or utilised on their facilities to accompany the fi	use Gases, landfill operators are requested to provide summary data on landfill gas (Methane) gures for total methane generated. Operators should only report their Net methane (CH4) ection A: Sector specific PRTR pollut								
Landfill:	Bergin Waste Disposal Limited				_				
Please enter summary data on the quantities of methane flared and / or utilised			Meth	nod Used					
	T (Total) kg/Year	M/C/E	Method Code	Designation or Description	Facility Total Capacity m3 per hour				

4.3 RELEASES TO WASTEWATER OR SEWER

Link to previous years emissions data

| PRTR# : W0163 | Facility Name : Bergin Waste Disposal Limited | Filename : W0163_2010 PRTR.xls

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SECTION A: PRTR POLLUTANTS

C	FFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREAT	MENT OR	SEWER		Please enter all quantities in this section in KGs				
	POLLUTANT	METHOD			QUANTITY				
				Method Used					
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year	
					0.	0	0.0 0.0	0.0	

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

SECTION B: REMAINING POLLUTANT EMISSIONS (as required in your Licence)

Section b. Hemaniana Polecifiati Emissions (as required in your elective)											
	OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREAT	MENT OF	SEWER		Please enter all quantities in this section in KGs						
	POLLUTANT			METHOD	QUANTITY						
			Method Used								
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year			
306	COD	M	PER	Gravimetric	1455.0	1455.0	0.0	0.0			
240	Suspended Solids	M	PER	Gravimetric	345.0	345.0	0.0	0.0			
303	BOD	M	PER	Gravimetric	840.0	840.0	0.0	0.0			

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

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4.4 RELEASES TO LAND

Link to previous years emissions data

| PRTR# : W0163 | Facility Name : Bergin Waste Disposal Limited | Filename : W0163_2010 PRTR.xls | Return Year : 2010 |

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SECTION A: PRTR POLLUTANTS

	REL	EASES TO LAND			Please enter all quantiti	às	
	POLLUTANT			METHOD			QUANTITY
			Method Used				
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year
						0.0	0.0 0.0

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

SECTION B: REMAINING POLLUTANT EMISSIONS (as required in your Licence)

OLO HORE D. HEMPARAM	DEED PART EINIOCIONO (US required in Jour Ele	onoc)					
	RELEA	SES TO LAND			Please enter all quar	tities in this section in K	Gs
	POLLUTANT		MI	THOD		QUANTITY	
				Method Used			
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Ye
						0.0	0.0

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

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE	PRTR# : W0163 Facility Name : Bergin Waste Disposal Limited Filename : W0163_2010 PRTR.xls Return Year : 2010
--------------------------------------------------	---------------------------------------------------------------------------------------------------------------------

Please enter all quantities on this sheet in Tonn		3
Quantity (Tonnes per Year)	Method Used	Haz Waste : Name and Licence/Permit No of Next Destination Facility Non Haz Waste : Address of Next Destination Facility Non Haz Waste: Address of Next Destination Facility Non Haz Waste: Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY) Actual Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)
European Waste	Waste Treatment Location of	
Transfer Destination Code Hazardous Description of Waste	Operation M/C/E Method Used Treatment	

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Link to previous years waste data
Link to previous years waste summary data & percentage change

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

Appendix 6 Pollution Emission Worksheet