

2010

Annual Environmental Report

For

Bergin Waste Disposal limited

Waste Licence no. W0163-01

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

1.0 Reporting Period	4
2.0 Waste Activities Carried out at the Facility	4 - 5
3.0 Quantity & Composition of Waste Recovered	6
4.0 Environmental Monitoring	7
4.1. Dust Monitoring	7
4.2. Noise Monitoring	8
4.3. Surface Water & Surface Water Discharge Monitoring	9 - 10
4.4. Foul Water Monitoring	10
5.0 Resource & Energy Consumption	11
6.0 Developmental & Infrastructural Works	12
7.0 Objectives & Targets	13 - 14
7.1. Schedule of Objectives & Targets – report on the progress towards achievement of the Environmental Objectives & Targets set in October 2010	15 - 18
7.2. Environmental Management Programme – schedule for forthcoming year (2011)	19 – 21
8.0 Environmental Incidents & Complaints	22
9.0 Pollution Emission Register – Report for Previous year	22
10.0 Pollution Emission Register – Report for Current year	22
11.0 Other Information	23
11.1. Tank & Pipeline Testing & Inspection Report	23
11.2. Financial Provision	23
11.3. Management & Staffing Structure	23
11.4. Programme for Public Information	23
11.5. Statement of measures in relation to prevention of environmental damage & remedial action	23

Tables

Table 1: Quantity & Composition of Waste.....	6
Table 2: Dust Monitoring Results.....	7
Table 3: Noise Monitoring Results.....	8
Table 4: SW1 Surface Water Monitoring Results.....	9
Table 5: SW2 Surface Water Monitoring Results.....	9
Table 6: Surface Water Discharge Monitoring Results.....	10
Table 7: Foul Water Monitoring Results	10
Table 8: Energy Consumption	11
Table 9: Schedule of Objectives & Targets	15

Appendices

Appendix 1: Location of Monitoring Points

Appendix 2: Dust Monitoring Results

Appendix 3: Noise Monitoring Results

Appendix 4: Additional Information

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 its 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 segregation, 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 transferred to Barna Waste Ltd. Recycling Depot, Co. Galway for sorting on their 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 Environmental 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 Derrinmera 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	Cardboard	1305	644	Barna Waste & Recycling Ltd. Headford Road, Co. Galway
			198	Joe Mc Loughln Waste Disposal Ltd. Drumshanbo, Co. Leitrim
15 01 02	Plastic	283	84	Barna Waste & Recycling Ltd. Headford Road, Co. Galway
			37	Joe Mc Loughln Waste Disposal Ltd. Drumshanbo, Co. Lietrim
17 02 01	Woodchip/Timber	389	149	Ballaghaderreen Landfill, Aghalustia, Ballaghaderreen, Co. Roscommon
			841	Barna Waste & Recycling Ltd. Headford Road, Co. Galway
17 01 07	Mixed Construction & Demolition	5107		
17 05 04	Soil & Stones	124	977	Ballaghaderreen Landfill, Aghalustia, Ballaghaderreen, Co. Roscommon
			378	Thomas Sampey, Fairymount, Co. Roscommon
			14	Roscommon County Council
20 03 01	Mixed Municipal Waste	12512	5113	Ballaghaderreen Landfill, Aghalustia, Ballaghaderreen, Co. Roscommon
			28	Barna Waste & Recycling Ltd. Headford Road, Co. Galway
			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 analysed 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 their 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 their 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	pH	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	pH	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	pH	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	pH	COD mg/L	BOD mg/L	Suspended Solids mg/L	Total Phosphates (P) mg/L	Temperature 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.

7.0 Objectives & Targets & Environmental Management Plan 2010 / 2011

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 develop to ISO 14001 standard as per the companies facility in Galway ensuring all departments processes and procedures are included in the company EMS system	Facility Manager Operations Manager	Ongoing	Ongoing
Facility amenities – complete the upgrade and relocation of the companies administration, canteen & toilet offices	Managing Director Operations Manager	Q4 2010	Completed
Ensure all damaged sheeting on sheds or damaged concrete walls are repaired to a high standard and maintained on a regular basis	Facility Manager Operations Manager	Ongoing	Ongoing
Site security – ensure site security fencing is repaired to a high standard and maintained on a regular basis	Facility Manager Operations Manager	Q4 2010	Ongoing
Traffic Control – arrange for road markings around the site to be fully installed to help customers move safely around the site	Health & Safety Manager / Operations Manager / Facility Manager	Q1 2011	Ongoing
Skip Storage – improve housekeeping of the skip storage area and specify designated areas for skips to be stored. Organise empty skips & bins in a controlled manner as neat & tidily as possible so that the area appears well managed	Facility Manager Operations Manager	Q4 2010	Ongoing
Remove all skips of commercial and non recyclable waste out of non licenced area of the site and store them only within the licence boundary	Facility Manager Operations Manager	Immediate – Q4 2010	Completed
Housekeeping - clear the 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. Improve hardstanding areas on the site	Operations Manager	Immediate / Ongoing	Ongoing
Non Licenced Site – draw up a list of all items which can not be moved or processed in Galway and find markets for the proper disposal / recycling of these materials	Operations Manager Facility Manager	Q4 2010	Completed
Non Licenced site – discuss a proposal / application with the EPA to have this site integrated into the EPA licence	Operations Manager Facility Manager	Q4 2010	Completed

Litter controls – continue the process of assigning a member of each Production Shift to litter duty as part of continuous improvement in this area	Facility Manager Operations Manager	Ongoing	Ongoing
Dust control – implement a proper dust control system inside the waste transfer sheds to control dust levels during operational hours. This should be permanent and reflect the latest technology available	Facility Manager Operations Manager	Q1 2011	Mist sprayer installed in the waste transfer building
Dust control – continue the process of daily controls at the site by use of water or the best means available	Facility Manager Operations Manager	Daily - ongoing	Ongoing
Construction / Development – It is proposed to fully enclose the dry recycling storage shed which is located on site, for which planning was approved in 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	Managing Director Operations Manager	Start project by end Q1 2011	Ongoing
Bunded Areas – establish better controls of the bunded areas on site and organise them to ensure they meet the required environmental and health and safety requirements reducing the risk of accidents or environmental pollution	Facility Manager Operations Manager	Q4 2010	Ongoing
Environmental Targets – continue to develop the energy and power saving programme within the waste transfer station to reduce the usage during both operational and non operating hours	Facility Manager Operations Manager	Q4 2010	Ongoing
Environmental Targets – improve drainage network around the site and get hold of up to date drainage drawing for our records. Ensure an underground survey of all tanks, pipes, drums etc is carried out by an independent contractor without delay	Facility Manager Operations Manager	Q4 2010	Survey to be carried out on drainage system, drainage drawing completed
Operation Controls in relation to machine maintenance – continue to develop the maintenance programmes for all operational equipment (stationary and mobile plant)	Operations Manager Health & Safety Manager	Ongoing	Ongoing
Operational control – identify a suitable location and then design and relocate the quarantine area on site	Operations Manager Facility Manager	Q4 2010	Location found, work has not been completed on lean-to to date

Safety - continue the vaccination programme for employees against Hepatitis A & B	Operations Manager Health & Safety Officer	Ongoing	Ongoing
Safety - implement weekly checks of fire fighting equipment to ensure everything is in good working order	Operations Manager Health and Safety Officer	Ongoing	Ongoing
Training - put another member of staff through the FAS Waste Management Course if possible	Operations Manager	Q4 2011	Ongoing
Training – develop a training policy and training matrix to be included in the EMS to assist with control / identification of training requirements	Facility Manager	Q4 2010	Completed
Management Review – ensure a management review meeting is held at least once per annum to discuss training, staffing and progress in general. Minutes of the meeting should be recorded.	Management Team	Q4 2010	Ongoing
Communications – continue to develop the website via customer feedback to ensure the best possible service to customer is provided and that this tool is utilised to its full potential	Management Team	Q4 2010	Ongoing
Cost Saving – Work towards maximising cost savings in all areas due to current economic climate. This should incorporate both production and administration areas. Review on a quarterly basis	Management Team / All Staff	Ongoing	Ongoing
Stock control/storage – Implement a new permanent storage area for all Health and Safety workwear	Operations Manager	Q4 2010	Completed
Emissions for the site – review all current 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.	Facility Manager	Q4 2010	Completed
Site monitoring locations – improve access to / from and signage at all monitoring points at the facility	Operations Manager Facility Manager	Q4 2010	Access made as accessible as possible, all signage in place
Site entrance – erect new site notice board at the Entrance of the facility	Facility Manager	Q4 2010	Completed
Operational activities – ensure a system of work is implemented that will ensure the door of the waste transfer station is closed at all times during hours of processing	Operations Manager	Immediate – Q4 2010	Completed
Ensure remedial works are carried out to ensure water on the floor of the waste transfer station is under control and does not accumulate	Facility Manager	Immediate – Q4 2010	Completed

Ensure a stock of oil absorbent material is always available on site in the form of either granules or biodegradable chemical in Galway	Facility Manager Operations Manager	Immediate – Q4 2010	Completed
Carry out training ASAP with all staff in relation to working with oil spills and emergency spills in general on site	Facility Manager Operations Manager Health & Safety Manager	Immediate – Q4 2010	Completed
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 Ballghaderreen 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 development of the EMS system ensuring all departments processes and procedures are included in the company EMS system	Facility Manager Operations Manager	Ongoing	
Ensure all damaged sheeting on sheds or damaged concrete walls are repaired to a high standard and maintained on a regular basis	Facility Manager Operations Manager	Ongoing	
Introduce a maintenance programme for the site weighbridge to improve appearance and importance, arrange for erection of sign at first office directing customers to weighbridge to avoid confusion for customers using site	Operations Manager Health & Safety Officer	Q1 2011	
Site security – ensure completion of erection of perimeter fencing on the north-eastern side of the site, ensure all fencing is maintained to a high standard	Facility Manager Operations Manager	Q1 2011	
Traffic Control – Arrange for road markings around the site to be fully installed to help customers move safely around the site	Health & Safety Manager / Operations Manager / Facility Manager	Q1 2011	
Litter controls – continue the process of assigning a member of each Production Shift to litter duty as part of continuous improvement in this area	Facility Manager Operations Manager	Ongoing	
Dust control – continue to use the dust abatement measures, to minimize and eliminate any potential dust nuisances	Facility Manager Operations Manager	Ongoing	
Construction / Development – enclose recycling storage building, to increase storage capacity and improve quality of recyclables, complete work on lean-to, and improve hard standing area on permitted site	Managing Director Operations Manager	Start project by end Q1 2011	

Bunded Areas – establish better controls of the bunded areas on site and organise them to ensure they meet the required environmental and health and safety requirements reducing the risk of accidents or environmental pollution	Facility Manager Operations Manager	Q1 2011	
Environmental Targets – continue to develop the energy and power saving programme within the waste transfer station to reduce the usage during both operational and non operating hours	Facility Manager Operations Manager	Q1 2011	
Environmental Targets – Drainage Survey to be carried out	Facility Manager Operations Manager	Q1 2011	
Operation Control – continue to develop the maintenance for operation equipment, design and relocate the quarantine area	Operations Manager	Q1 2011	
Non Licenced site –discuss a proposal / application with the EPA to have this site integrated into the EPA licence	Facility Manager Operations Manager	Q1 2011	
Non Licenced Site - Housekeeping: clear the 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	Operations Manager	Ongoing	
Stockpile – improve the speed and efficiency of shipping recyclables material to Galway	Operations Manager	Ongoing	
House keeping – ensure minimum amount of skips for processing are stored outside, and that these are stored as tidily and as organized as possible	Operations Manager	Ongoing	
Safety - continue the vaccination programme for employees against Hepatitis A & B	Operations Manager Health & Safety Officer	Ongoing	
Safety - implement weekly checks of fire fighting equipment to ensure everything is in good working order	Operations Manager Health and Safety Officer	Ongoing	
Management Review – ensure a management review meeting is held at least once per annum to discuss training, staffing and progress in general. Minutes of the meeting should be recorded	Management Team	Ongoing	
Monitoring – carry out a tender for monitoring programmes during 2011 to identify the best partners for all types of monitoring and try to use the same contractors on all of Barna Waste’s sites. This should also been done with cost saving in mind	Facility Manager	Ongoing	
Training – identify any training requirements and liaise with the Health & Safety Officer to organize training where needed	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 the FAS Waste Management Course if possible	Operations Manager	Q1 2011	
Cost Saving – Work towards maximising cost savings in all areas due to current economic climate. This should incorporate both production and administration areas, carry out regular checks of expenditure, review on a quarterly basis	Management Team / All Staff	Ongoing	
Submit an application for increase of tonnage 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	Management Team	Q1 2011	
Tank & pipeline testing – Carry out a survey of all under ground pipes and tanks	Facility Manager Operations Manager	Q1 2011	
IT – improve IT links in relation to all company sites so that information is accessible & transferable at all time	Management Team	Q1 2011	

7.0 Environmental Incidents & Complaints

We had three environmental incidents in 2010, we had two Non-Compliances with condition 6.3.1, 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 public 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