

Annual Environmental Report 2010

C A R L O W
C O U N T Y C O U N C I L

COMHARLE CHOINTAF CHEATHARLOCHA



Haroldstown Waste Transfer Station

Waste Licence Reg. No. W0139-01

Prepared by: Mary Walsh

Signed: *Mary Walsh*

Reviewed by: Fergus Mulhare

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1.0 Introduction

This report comprises an Annual Environmental Report (AER) for Haroldstown Waste Transfer Station (HWTS), Haroldstown, Co. Carlow. The report has been compiled in accordance with Schedule F of Waste Licence, Register Number W0139-01 and in accordance with the EPA's Guidance Notes on the preparation of AERs. The report covers the period of 1st January 2010 to 31st December 2010.

The AER fulfils the following objectives:

- Brings together all reports required under the Conditions of the Waste Licence.
- Allows an evaluation of those reports, results and programmes prepared to monitor, track and improve environmental performance.
- Provides a summary assessment of performance of the reported year against the previous year's environmental objectives and targets.
- Provides a structured format for the development of an environmental strategy incorporating the resetting of environmental goals and targets for subsequent years.
- Provides environmental information and performance data on the Waste Transfer Station at Haroldstown in clear, non technical language, thus providing a means of communicating environmental information to site neighbours and the general public.

2.0 Facility Description and Waste Activities

2.1 Waste Activities at Haroldstown Waste Transfer Station

HWTS was granted a Waste Licence (W0139-01) by the Environmental Protection Agency (EPA) in August 2001. In December 2009 the Waste Transfer Station ceased to operate and all waste material was re-directed to Powerstown Landfill. The site is occasionally used as a temporary storage area for road traffic equipment such as signage / cones. Waste is no longer accepted or stored at the site but environmental monitoring in accordance with Schedule D of Waste Licence W0139-01 continues to be carried out. This report covers the period 1st January to 31st December 2010. There were no waste activities carried out at the site during this period.

2.2 Facility Description and Layout

HWTS is located on the R727 road, approximately 19 kilometres northeast of Carlow town. HWTS is located in a rural setting and is bounded to the north by the R727 road and to the west, south and east by farmland. A gravel pit is located to the north east beyond the R727.

The layout of the waste transfer station is as follows:

- Gates and appropriate signage.
- Porto-cabin previously used for administration and toilet porto-cabins.
- Internal roads.
- Hardstand areas.
- Compactor for municipal waste, including control room.
- Heavy duty loading hopper.
- Waste Quarantine Area.
- Bord na Mona Puraflow Treatment Plant.

The layout of the facility is presented in Drawing No.1.

The waste transfer station was historically a gravel quarry. Between the years 1954 – 1993 the site was operated as a municipal solid waste landfill site. In 1993 the landfill was restored by capping with topsoil. In October 1993, within six months of closing the landfill, Carlow County Council opened the waste transfer station on the northern portion of the old landfill site. Drawing No. 2 illustrates the location of the old gravel quarry and the extent of the old landfill.

3.0 Environmental Monitoring

Ms. Mary Walsh, Environmental Technician, and Mr. Fergus Mulhare Landfill Manager, oversees all matters of an environmental nature including compliance monitoring. The majority of the monitoring and report preparation for 2010 was completed by Carlow County Council personnel. Annual groundwater and surface water sampling was carried out by the EPA.

Drawing No. 3 illustrates the locations of the groundwater, noise, dust and landfill gas monitoring points at HWTS. Drawing No. 4 illustrates the surface water monitoring locations. Grid references for monitoring locations are also provided with the drawings.

3.1 Summary of Results of Environmental Monitoring

3.1.1 Dust

Dust monitoring was undertaken at HWTS in 2010 by Carlow County Council personnel, in accordance with the requirements outlined in Schedule D.3 of Waste Licence No. W0139-1. The Waste Licence stipulates that dust monitoring must be conducted at three designated locations, three times a year, twice during the period May to September. Dust deposition limits for HWTS are set out in Schedule C of the Waste Licence. The dust monitoring results for 2010 are summarised in Table 3.1.

Table 3.1: Dust Monitoring Results, Haroldstown Waste Transfer Station, 2010

Location	Dust Deposition Limit mg/m ² /day	May – June 2010 Dust Quantity mg/m ² /day	July-August 2010 Dust Quantity mg/m ² /day	Sept - Oct 2010 Dust Quantity mg/m ² /day
DM1	350	51	28	60
DM2		52	20	112
DM3		347	18	61

The dust monitoring results reported for 2010 were below the dust deposition limit of 350mg/m²/day. There is no non-compliance and there is 100% compliance. This is the same as the compliance rate reported for 2009.

3.1.2 Landfill Gas

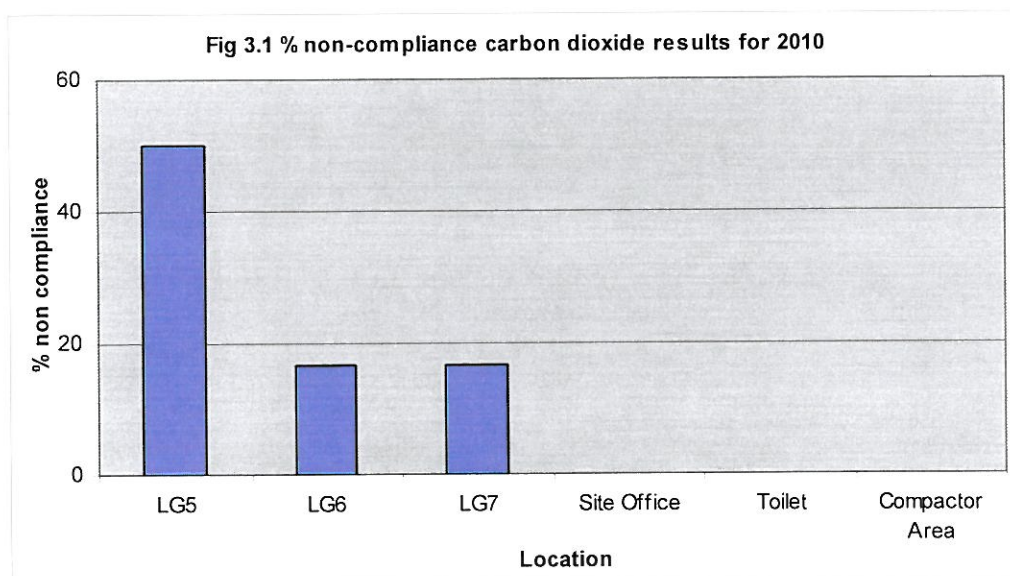
Landfill gas monitoring is carried out at HWTS in accordance with Schedule D.2 of the Waste Licence. Monitoring is conducted at ten locations on a monthly basis by Carlow County Council personnel. Landfill gas concentration limits as set out in Schedule C of the Waste Licence are 20% LEL (1% v/v) for methane, and 1.5% v/v carbon dioxide. These limits apply to landfill gas measured in any building on or adjacent to the HWTS or landfill gas monitoring wells (LG5, LG6, LG7) located outside the waste body of the old landfill. Landfill gas monitoring data for gas monitoring wells (LG1, LG2, LG3 and LG4) located within the old landfill boundary are not required to meet the emission limit values.

Reported landfill gas methane levels were below the emission limit values at all buildings and off-site monitoring locations during 2010. There were no exceedances to report in relation to methane levels during 2010. This is the same as 2009 when methane levels recorded were 100% compliant with licence requirements.

Carbon Dioxide (CO₂) levels recorded at LG5 exceeded the ELV of 1.5% on six occasions during 2010. This is a reduction in the number of exceedances in comparison to 2009 results. 2 exceedances were recorded at LG6 and 2 exceedances were recorded at LG7 during 2010. There were no exceedances recorded in relation to CO₂ levels recorded within buildings during 2010. It is considered that landfill gas migration may be occurring from the old landfill area at HWTS. However, as there are no exceedances in relation to elevated methane levels, and the number of exceedances in relation to Carbon Dioxide levels has greatly decreased, it is considered that the rate of gas migration is minimal.

Fig 3.1 below indicates the % non-compliances recorded during 2010 for CO₂

Figure 3.1 Summary of Carbon Dioxide Non-Compliance (2010)



3.1.3 Surface Water

A chemical water quality assessment of the Dereen River was carried out by EPA personnel, and a biological water quality assessment was undertaken by Conservation Services Ltd. at two sampling locations, SW1 and SW2, in accordance with Schedule D.6 of the Waste Licence. SW1 is situated upstream of the facility and SW2 is situated downstream.

Chemical Assessment

Samples collected from SW1 and SW2 were analysed for the parameters outlined in Table D.6.1 of the Waste Licence; pH, Temperature, Conductivity, Ammoniacal Nitrogen as N, COD, BOD, Total Suspended Solids and Chloride.

Table 3.2: Surface Water Monitoring Results for SW1 (2008, 2009 and 2010)

Parameter	EQS	October 2008 (MOR)	November 2009 (EPA)	2010 (EPA)
Visual Inspection	NA	Clear	Slight Brown Colour	Rusty / Amber Brown Colour
pH	>6.5 - <9.5	6.75	7.3	7.2
Temp (oC)	25	8.6	-	13.2
Conductivity (µS/cm)	1000	217	345	170
Dissolved Oxygen (% Saturation)	NAC	7.20 (mg/l)	94	100
Ammoniacal Nitrogen as N mg/l	0.78*	0.2	0.14	0.05
COD mg/l	NA	17	<20	21
BOD mg/l	≤5	<2	0.9	1.2
Total Suspended Solids mg/l	25	<10	<5	5
Chloride mg/l	-	13	14	11

* 0.78 denotes ammoniacal nitrogen value as N. converted for comparison with laboratory results

Table 3.3: Surface Water Monitoring Results for SW2 (2008, 2009 and 2010)

Parameter	EQS	October 2008 (MOR)	November 2009 (EPA)	2010 (EPA)
Visual Inspection	-	Clear	Slight Brown Colour	Rusty / Amber Brown Colour
pH	>6.5 - <9.5	7.82	7.7	7.2
Temp (oC)	25	9.1	NA	13.2
Conductivity (µS/cm)	1000	217.9	214	178
Dissolved Oxygen (% Saturation)	NAC	7.49 (mg/l)	95	101
Ammoniacal Nitrogen as N mg/l	0.78*	0.3	0.16	0.05
COD mg/l	-	16	22	24
BOD mg/l	≤5	<2	1.0	1.2
Total Suspended Solids mg/l	25	<10	<5	<5
Chloride mg/l	-	14	12	11

0.78 denotes ammoniacal nitrogen value as N. converted for comparison with laboratory results

pH, Temperature, BOD, Ammonia and Chloride levels detected during the annual monitoring event 2010 are the same at the upstream (SW1) and downstream (SW2) monitoring locations. Dissolved Oxygen, Conductivity and COD are also similar at both locations. Based on the results reported during this monitoring event, surface water quality at SW1 and SW2 is similar.

Water quality of the Dereen River is similar both upstream and downstream of HWTS, which indicates that the facility has not impacted on water quality.

Biological Assessment

Conservation Services Ltd. carried out a biological assessment in accordance with Table D.6.1 of the Waste Licence. The biological assessment contained two facets; habitat assessment and biological water quality assessment.

A habitat assessment was carried out at SW1 and SW2 during September 2010. These monitoring locations were assessed in terms of characteristics of the habitat and rated as a habitat for trout in the adult, nursery and spawning stages. The results of the habitat assessment are shown in Table 3.4

Table 3.4: Habitat Assessment 2010

Habitat	SW1 (upstream)	SW2 (downstream)
Trout Adult Habitat	Very Good	Good
Trout Nursery Habitat	Good	Good
Trout Spawning Habitat	Good	Good

A biological water quality assessment was also completed at locations SW1 and SW2. Based on the relative abundance of indicator species, a biotic index (Q-rating) was determined for each location in accordance with the biological assessment procedure used by the EPA (McGarrigle, M.L. *et al*; 1998). The results of the biological water quality assessment are compared to previous annual monitoring events dating back to 2007 in Table 3.5

Table 3.5: Biological Water Quality Assessment

Location	Sept 2007	Sept 2008	July 2009	Sept-2010
SW 1	Q3-4 Slightly Polluted	Q3-4 Slightly Polluted	Q3-4 Slightly Polluted	Q3-4 Slightly Polluted
SW2	Q3-4 Slightly Polluted	Q3-4 Slightly Polluted	Q3-4 Slightly Polluted	Q3-4 Slightly Polluted

The biological assessment indicates that the water quality has remained unchanged since the assessment carried out in September 2007. Both locations (SW1 and SW2) received a Q-rating of Q3-4 (slightly polluted) for the last four years. Therefore, it is considered that the facility is not having a negative impact on the water quality in the vicinity of the site.

3.1.4 Groundwater

Groundwater monitoring was undertaken by EPA personnel on the 15th of September 2010 for the parameters outlined in Schedule D Table D.6.1 of Waste Licence W0139-01. Groundwater monitoring was carried out at three monitoring locations (GW1, GW3, and GW6). GW2 was not sampled as the well went dry during purging and did not re-charge. GW4 and GW5 are private residences and there was no access to the wells on the date of sampling. None of the six monitoring locations are used for domestic supply purposes. The groundwater monitoring locations are shown on Drawing No. 3 and summarised in Table 3.6 below.

Table 3.6: Groundwater Monitoring Locations

Location	Water Pattern
GW1	Within Waste Body (Cross gradient)
GW2	Within Waste Body (Down gradient)
GW3	Within Waste Body (Cross gradient)
GW4	Up gradient
GW5	Cross gradient
GW6	Down gradient

Groundwater analytical data have been compared the EPA (2003) Interim Guideline Values for Groundwater (IGVs) for the general assessment of groundwater and European Communities (Drinking Water) (No. 2) Regulation 2007 (SI No. 278 of 2007).

Groundwater elevation data indicates that groundwater flow direction is generally towards the south and southwest.

There are no reported results for groundwater analytical data for the up gradient wells (GW4 and GW5) during the 2010 monitoring period.

GW1 and GW3 are located within the waste body at Haroldstown Waste Transfer Station and are both located cross gradient of the site in terms of groundwater flow. Samples were obtained from GW1 and GW3 during the 2010 monitoring period. The results received at both locations show similar concentrations for the chemical and metal parameters analysed. Ortho-phosphate levels, TOC, Fe, Mn and U levels at both locations exceeded the limits set out in the IGV's and S. I. No 278 of 2007.

One private well was sampled during the 2010 monitoring event (GW6). GW6 is located down-gradient of HWTS. Four exceedances were recorded in the concentration of parameters analysed at GW6 during this monitoring event. The exceedances reported were in relation to concentrations of ortho-phosphate, Fe, Mn and U. VOC's were not detected at GW6 during 2010.

The results received during the 2010 monitoring event show some improvement in water quality in terms of VOC's detected since the 2009 monitoring event. GW6 is

located down gradient of the site but has the least number of exceedances reported during 2010. Further monitoring events of all wells will enable comparisons to be made in terms of groundwater quality at each well.

3.1.5 Noise

Noise monitoring is conducted on an annual basis at HWTS in accordance with Table D.4.1 of the Waste Licence. Noise monitoring was undertaken at four locations by Carlow County Council personnel to comprehensively assess the noise sources in the vicinity of HWTS. Table 3.7 details the locations at which the noise monitoring survey was completed. Table 3.8 contains the noise monitoring results for 2010 and historical noise monitoring data dating back to 2007.

Table 3.7 Description of Noise Monitoring Locations

Location	Description
N1	Northern Site Boundary adjacent to the R727
N2	Centre of site beside waste compactor
N3	Eastern Site Boundary
N4	Off-site location in the field to the rear of Kelly Residence

Table 3.8 Noise Monitoring Results 2007 to 2010

Location	Monitoring Event	L _{Aeq, 30min}	L _{A10, 30min}	L _{A90, 30min}
N1	2007	61	62	42
	2008	54	56	36
	2009	58	62	41
	2010	58	61	39
N2	2007	60	63	41
	2008	61	65	39
	2009	55	58	38
	2010	50	55	37
N3	2007	62	59	44
	2008	48	52	33
	2009	52	56	40
	2010	51	55	39
N4	2007	57	60	47
	2008	54	58	33
	2009	53	57	36
	2010	55	59	39

The annual noise survey was carried out on the 14th December 2010 by personnel from Carlow County Council. This is the first noise survey to be carried out since the closure of the site.

The L_{Aeq} levels recorded at facility boundary locations N1, N2, N3 ranged from 50dB(A) at N2 to 58dB(A) at N1. The main sources of noise at each location were considered to be passing and distant traffic noise. Noise levels recorded at N2 and N3 have decreased since the closure of the site.

Monitoring Location N4 is located at the nearest noise sensitive receptor to HWTS. The L_{Aeq} recorded at the NSL N4 was 55dB(A). This level is equal to the stipulated daytime noise emission limit of 55dB(A). Observations recorded at the time of the survey indicate that no activities were being carried out at HWTS during this monitoring period.

It is considered that due to the closure of Haroldstown Waste Transfer Station the noise environment in the vicinity of the site is characteristic of any rural noise environment with a busy roadway in the vicinity. Waste is no longer accepted or removed from the site at Haroldstown. Activities that may occasionally be carried out at the site are movement of vehicles transporting small amounts of gravel or road signage within the general Haroldstown environs. There is no adverse impact in relation to noise on the surrounding environment from Haroldstown Waste Transfer Station.

4.0 Releases from the Facility (PRTR)

The Pollutant Release and Transfer Register (PRTR) for HWTS has been compiled in accordance with the Environmental Protection Agency's (EPA) Guidance Notes. The PRTR information for HWTS is reported to the EPA in electronic format, a hard copy of the electronic report is presented in Appendix A.

Due to the fact that the site is now closed and there are currently No waste activities carried out at the site, there was no information to report in the PRTR for HWTS.

The report is based on monitoring data, disposal and recovery records for the facility.

4.1 Releases to Air

There is no flare present at HWTS and there are no quantified emissions to air from the facility. Therefore there are no releases to air to report for the facility.

4.2 Releases to Waters

There are no direct discharges from HWTS to receiving waters. There is no licensed emission point for surface water run-off at the site. Therefore there are no quantified releases to water to report for HWTS.

4.3 Releases to Wastewater or Sewer

There are no releases to wastewater or sewer reported for the HWTS.

4.4 Releases Land

There are no releases to land reported for the HWTS.

4.5 Treatment and Transfer of Waste

HWTS ceased operations on the 31st of December 2009. Therefore there are no waste activities to report for the treatment and transfer of waste for 1st January 2010 to 31st December 2010. In order to upload the PRTR file to the EPA website one line was inserted into this section of the PRTR report, reporting "zero" amount of waste being accepted at the site. There were no waste activities at HWTS during 2010.

5.0 Resource and Energy Consumption

The following section summarises electricity and water usage in 2010 at HWTS. The energy and resource consumption for the facility is minimal due to the fact that this facility is closed and no waste activities are carried out.

5.1 Water

There is no water used at the site with the exception of council employees occasionally using canteen / toilet facilities. There is no water meter at the facility but water usage is considered minimal.

5.2 Electricity

It was not possible to get a meter reading for electricity at the site. However, due to the fact that there are no waste activities at the site and the compactor is not in use, electricity usage is minimal. The office or toilet facilities are rarely used and the only use of electricity at the site is for cameras and security reasons.

6.0 Site Development Activities & Plans

6.1 Development Works

There was no development works carried out at the facility during 2010. The skips previously used to collect waste were removed from the site and transported to Powerstown Landfill. Some empty bottle banks and storage containers remain at the site. Additional signage was installed at the entrance to re-direct all waste and recycling to Powerstown Landfill.

6.2 Environmental Objectives and Targets for 2010 and 2011

Due to the fact that the site was scheduled to close at the end of 2009 the only environmental objective set for 2010 was that Carlow County Council would undertake to carry out all regular compliance monitoring and preparation of reports for the 2010 monitoring period. This objective was met with the exception of the late submission of annual groundwater and surface water monitoring reports for 2010. The reason for this was that results for the monitoring were not received from the EPA Regional Laboratory until February 2011, thereby preventing the preparation of these reports.

Carlow County Councils objectives for 2011 remain the same as 2010 “to carry out all regular compliance monitoring and preparation of reports for the 2011 monitoring period.”

7.0 Environmental Nuisance Control

7.1 Litter

Litter is not a problem at HWTS as no waste is present on site at any time.

7.2 Noise

Noise does not cause a nuisance at the facility, as detailed in the annual noise monitoring report.

7.3 Dust

Dust is not a problem at the HWTS. Dust results for 2010 are presented in table 3.1 of this report and no exceedances of the licence limit for dust deposition were recorded during 2010.

7.4 Bird & Pest Control

Due to the absence of waste at HWTS birds, pests and vermin do not present any problems at the site.

7.5 Odour Control

There are no odour problems at the facility.

8.0 Incidents and Complaints for the Reporting Period 2010

There were no incidents or complaints at the site during 2010.

9.0 Financial Provisions, Staffing and Programme for Public Information

9.1 Financial Provisions

A total of €45,000 was budgeted for HWTS in 2010.

9.2 Staffing and Training

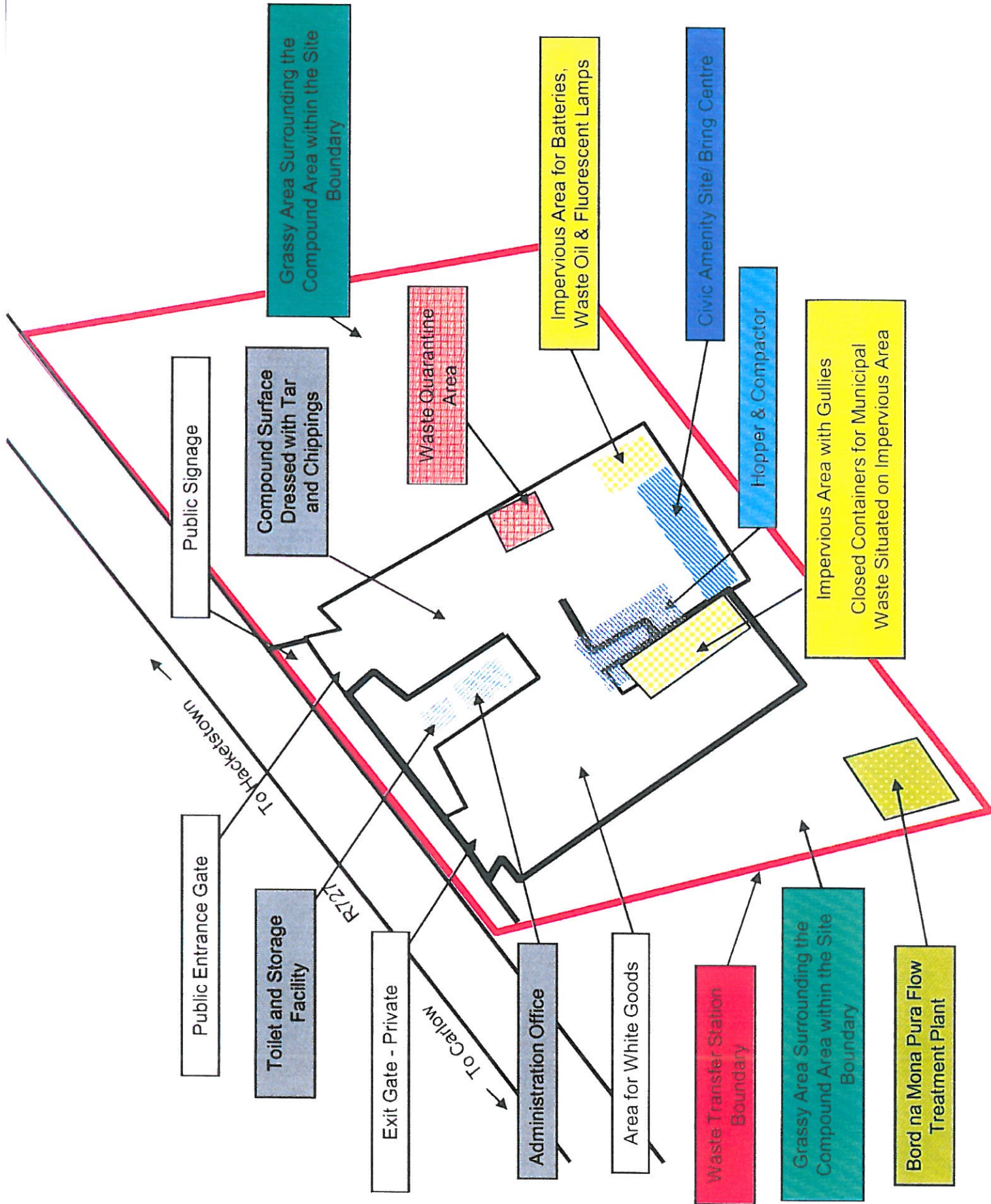
There is no staff assigned to full time employment at HWTS. Any issues in relation to the facility are dealt with by Carlow County Councils Environment Section or the area engineer for the Northern Area.

9.3 Public Information

Signage at the facility re-directs customers to Powerstown Landfill. Carlow County Council website provides an information package in relation to Powerstown Landfill that is available to download for members of the public.

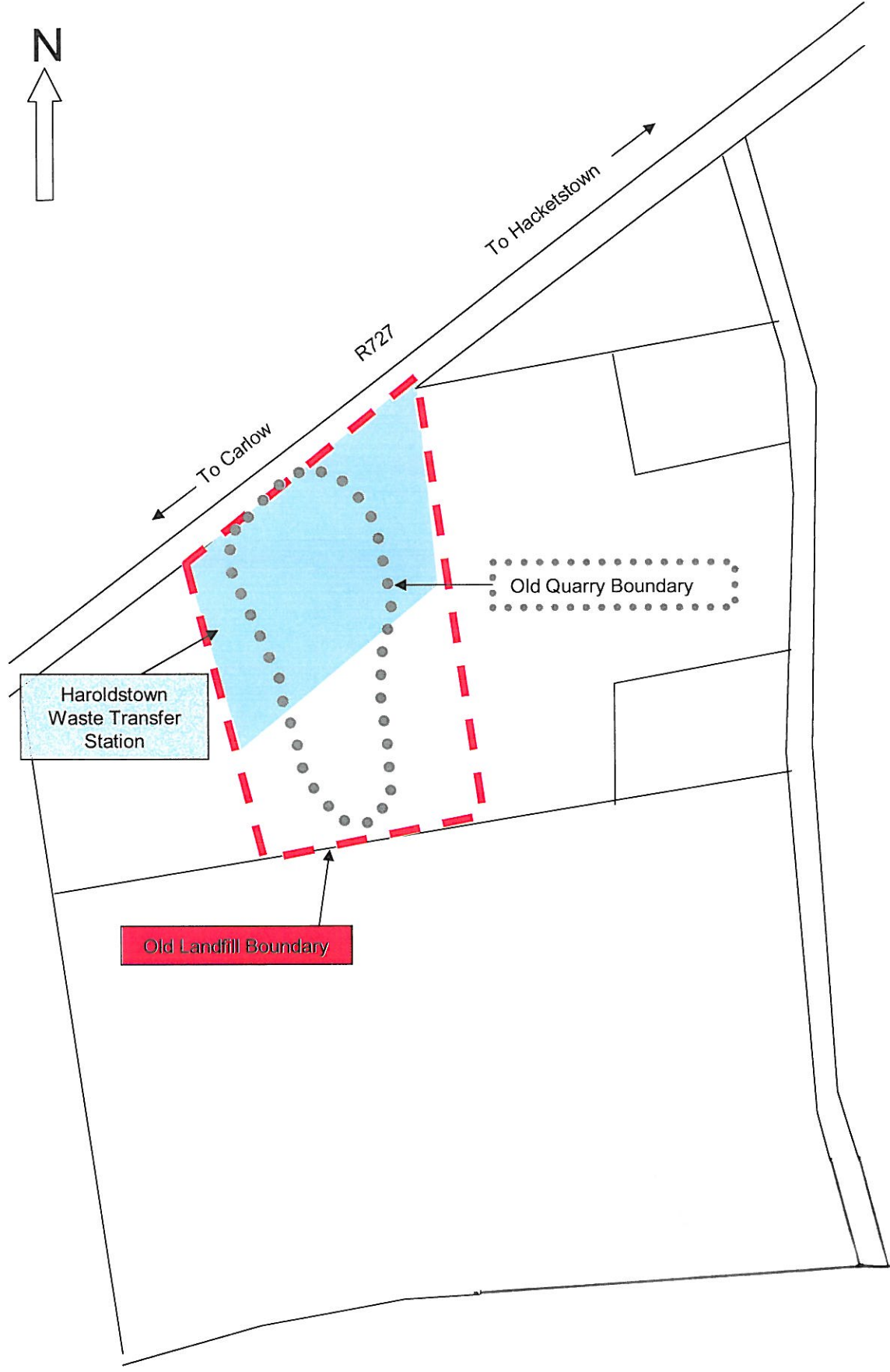
DRAWING 1

SITE LAYOUT



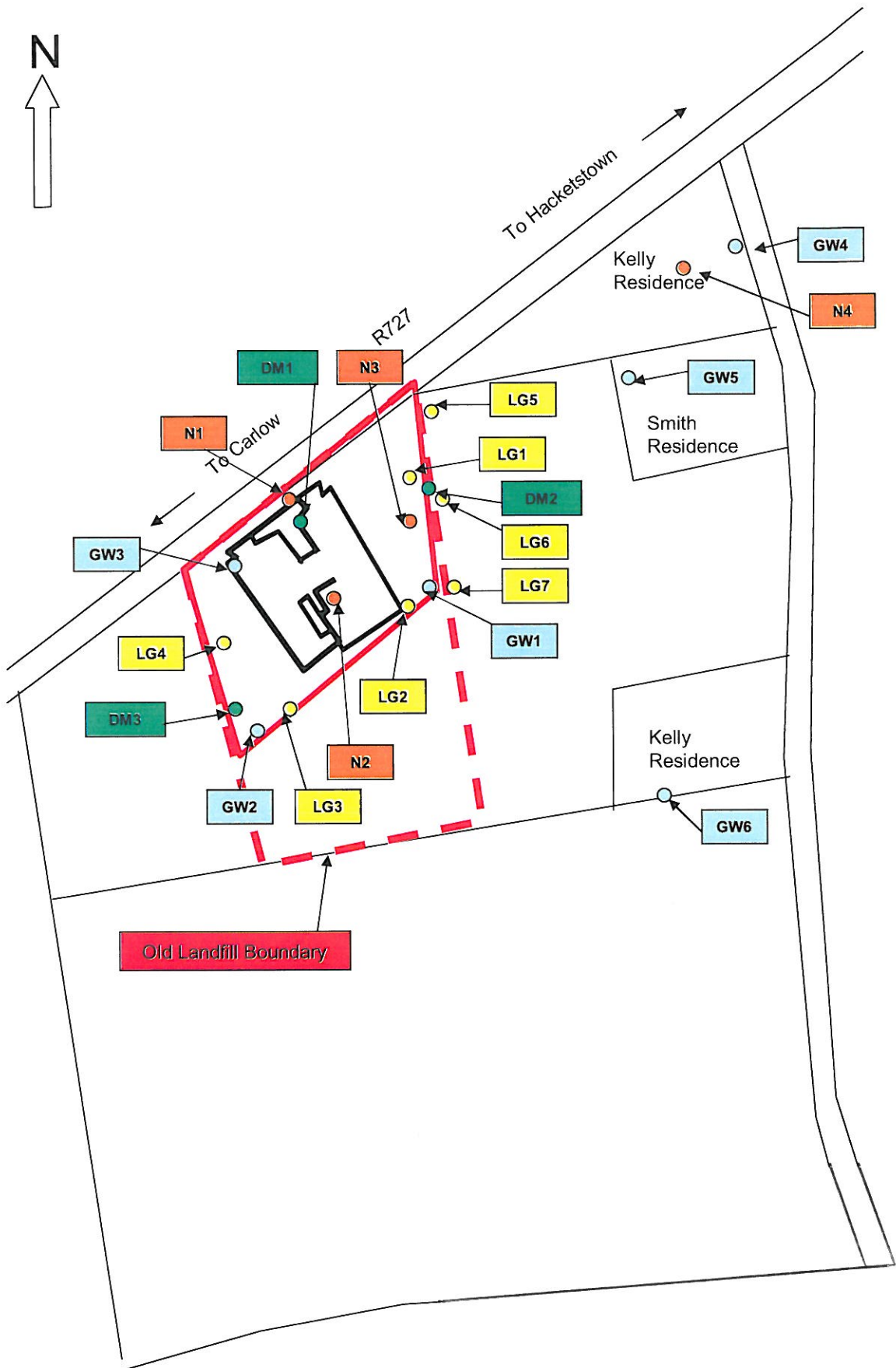
DRAWING 2

OLD LANDFILL BOUNDARIES AND QUARRY



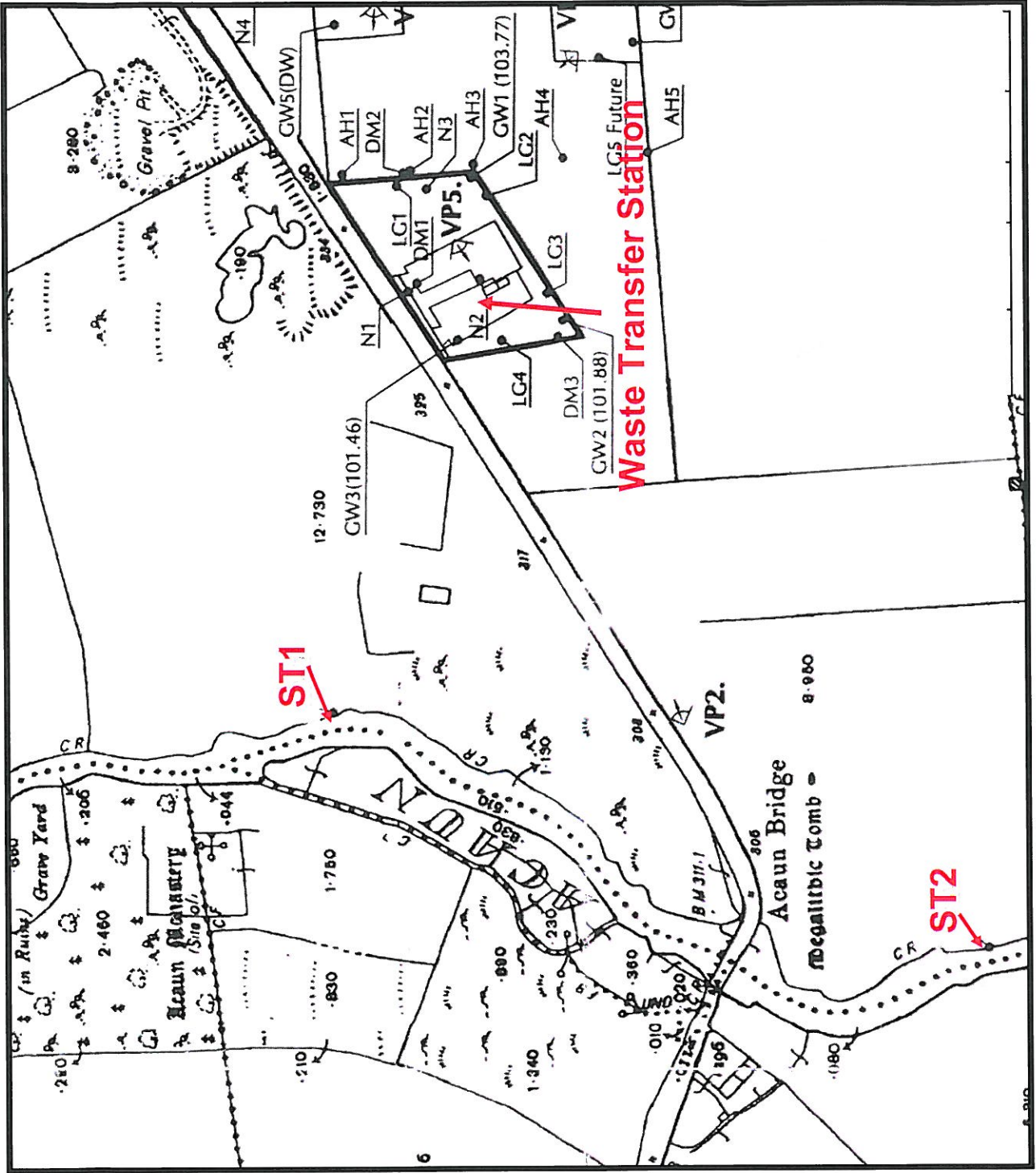
DRAWING 3

MONITORING LOCATIONS



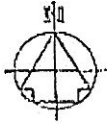
DRAWING 4

SURFACE WATER MONITORING LOCATIONS



APPENDIX 1

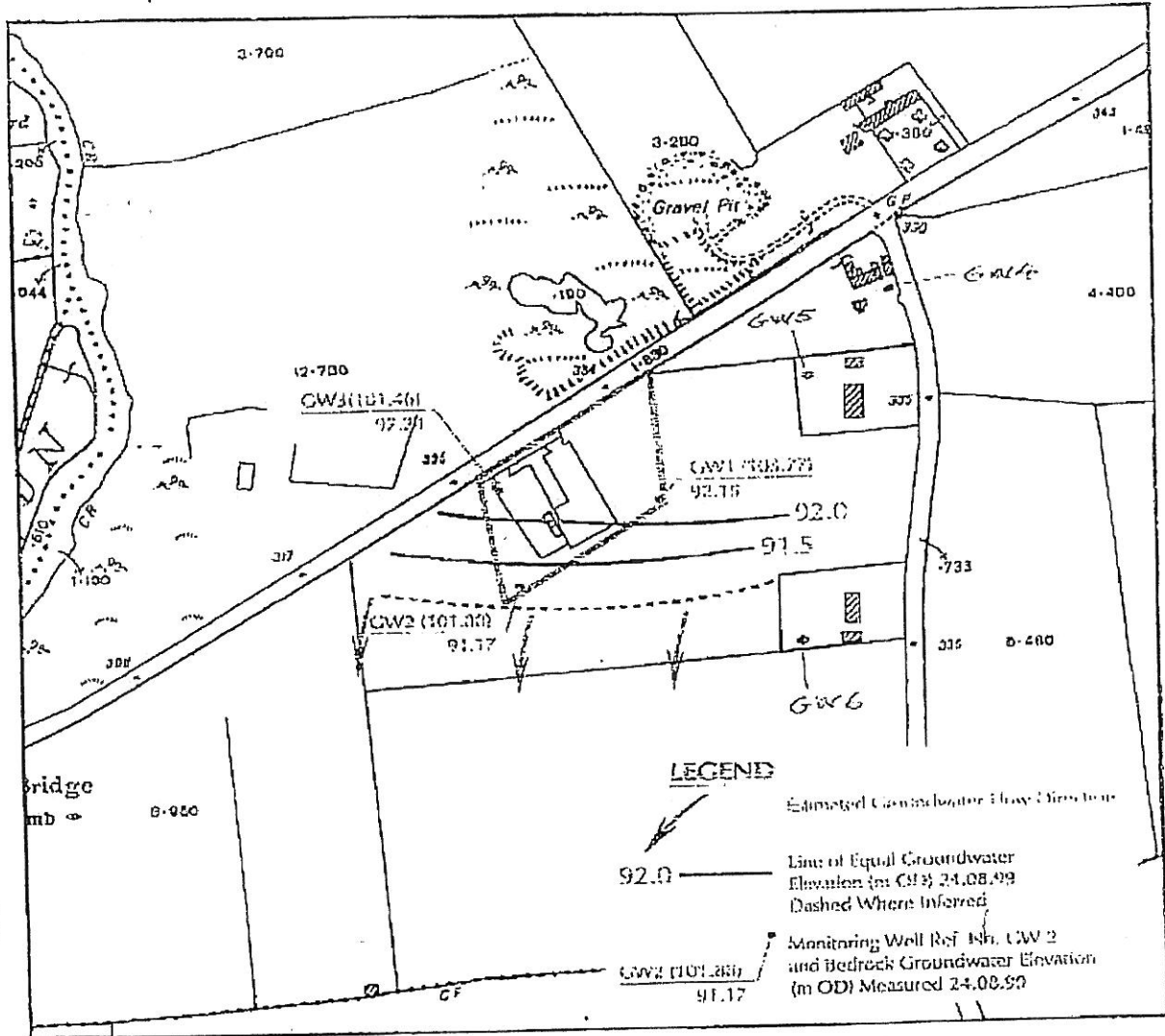
GROUNDWATER CONTOUR MAP



REVISION A
SKMAD

Sept. 99
99/12105/ATA-HTS_C62

Reproduced from On-Campus Survey with Government Permission - Form No. 16/2/1/20
1:2500 Carlow Streets CW004-13+14, CW009-01+02



TEHILY TIMONEY & COMPANY, CENTRE PARK HOUSE, CENTRE PARK ROAD, CORK

1:2500 BEDROCK GROUNDWATER CONTOUR MAP

WASTE LICENCE APPLICATION
For WASTE TRANSFER STATION
At HAROLDSTOWN, Co. CARLOW

Dwg. No. C.6.2

APPENDIX 2
PRTR REPORT



Environmental Protection Agency

| PRTR# : W0139 | Facility Name : Haroldstown Transfer Station | Filename : W0139_2010(1).xls | Return Year : 2010 |

Guidance to completing the PRTR workbook

AER Returns Workbook

Version 1.1.12

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

1. FACILITY IDENTIFICATION

Parent Company Name	Carlow County Council
Facility Name	Haroldstown Transfer Station
PRTR Identification Number	W0139
Licence Number	W0139-01

Waste or IPPC Classes of Activity

No.	class_name
3.12	Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule.
3.13	Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.
4.13	Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced.
4.2	Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes).
4.3	Recycling or reclamation of metals and metal compounds.
4.4	Recycling or reclamation of other inorganic materials.
Address 1	Haroldstown
Address 2	Tullow
Address 3	Co Carlow
Address 4	
Country	Ireland
Coordinates of Location	-6.65946 52.8462
River Basin District	IESE
NACE Code	3821
Main Economic Activity	Treatment and disposal of non-hazardous waste
AER Returns Contact Name	Mary Walsh
AER Returns Contact Email Address	mw Walsh@carlowcoco.ie
AER Returns Contact Position	Environmental Technician
AER Returns Contact Telephone Number	059-9172402
AER Returns Contact Mobile Phone Number	
AER Returns Contact Fax Number	05991 46356
Production Volume	0.0
Production Volume Units	
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	0
User Feedback/Comments	Site closed, no activities and no releases from facility. Zero amount entered for waste under Treatment & Transfer of waste section in order to upload file.
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)

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 ?	

[Link to previous years emissions data](#)

PRTR# : W0139 | Facility Name : Haroldstown Transfer Station | Filename : W0139_2010(1).xls | Return Year : 2010

03/05/2011 14:36

4.1 RELEASES TO AIR

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

POLLUTANT		METHOD		Please enter all quantities in this section in KGs				
No. Annex II	Name	M/C/E	Method Code	Method Used Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	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 B : REMAINING PRTR POLLUTANTS

POLLUTANT		METHOD		Please enter all quantities in this section in KGs				
No. Annex II	Name	M/C/E	Method Code	Method Used Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	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)

POLLUTANT		METHOD		Please enter all quantities in this section in KGs				
Pollutant No.	Name	M/C/E	Method Code	Method Used Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	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

Additional Data Requested from Landfill operators

For the purposes of the National Inventory on Greenhouse Gases, landfill operators are requested to provide summary data on landfill gas (Methane) flared or utilised on their facilities to accompany the figures for total methane generated. Operators should only report their Net methane (CH4) emission to the environment under T(total) KG/yr for Section A. Sector specific PRTR pollutants above. Please complete the table below:

Please enter summary data on the quantities of methane flared and / or utilised	M/C/E	Method Used		Facility Total Capacity m3 per hour
		Method Code	Designation or Description	
Total estimated methane generation (as per site model)	0.0			N/A
Methane flared	0.0			0.0 (Total Flaring Capacity)
Methane utilised in engines	0.0			0.0 (Total Utilising Capacity)
Net methane emission (as reported in Section A above)	0.0			N/A

Landfill: Haroldstown Transfer Station

[Link to previous years emissions data](#)

| PRTR# W0139 | Facility Name Haroldstown Transfer Station | Filename W0139_2010(1).xls | Return Year 2010 |

3/5/2011 14:41

4.2 RELEASES TO WATERS

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

POLLUTANT		RELEASES TO WATERS		QUANTITY				
No. Annex II	Name	M/C/E	Method Code	Method Used Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	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

RELEASES TO WATERS

Please enter all quantities in this section in KGs

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 I

SECTION B : REMAINING PRTR POLLUTANTS

POLLUTANT		RELEASES TO WATERS		QUANTITY				
No. Annex II	Name	M/C/E	Method Code	Method Used Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	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

Please enter all quantities in this section in KGs

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 I

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

POLLUTANT		RELEASES TO WATERS		QUANTITY				
Pollutant No.	Name	M/C/E	Method Code	Method Used Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	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

Please enter all quantities in this section in KGs

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 I

4.3 RELEASES TO WASTEWATER OR SEWER

[Link to previous years emissions data](#)

54762 40138 Facility Name: Municipalities Transfer Station - Fayetteville 40138 2010111443 02/05/2011 14:43

SECTION A : PRTR POLLUTANTS

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER							
No. Annex II	POLLUTANT Name	M/C/E	METHOD		QUANTITY		
			Method Code	Method Used 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)

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER							
Pollutant No.	POLLUTANT Name	M/C/E	METHOD		QUANTITY		
			Method Code	Method Used 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

[Link to previous years emissions data](#)

PRTR# : W0139 | Facility Name : Haroldstown Transfer Station | Filename : W0139_2010(1).xls | Return Year : 2010 | 03/05/2011 14:46

4.4 RELEASES TO LAND

SECTION A : PRTR POLLUTANTS

POLLUTANT		METHOD		QUANTITY	
No.	Name	M/C/E	Method Used Designation or Description	T (Total) KG/Year	A (Accidental) KG/Year
Please enter all quantities in this section in KGs					
				0.0	0.0
Emission Point 1				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)

POLLUTANT		METHOD		QUANTITY	
Pollutant No.	Name	M/C/E	Method Used Designation or Description	T (Total) KG/Year	A (Accidental) KG/Year
Please enter all quantities in this section in KGs					
				0.0	0.0
Emission Point 1				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 Please enter all quantities on this sheet in Tonnes

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz Waste Licence/Permit No of Receiving Facility Haz Waste Name and Licence/Permit No of Recover/Disposer	Haz Waste Name and No of Receiving Facility Haz Waste Name and Licence/Permit No of Recover/Disposer	Haz Waste Address of Next Destination Facility Non Haz Waste Address of Recover/Disposer	Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination (ie Final Recovery / Disposal Site) (HAZARDOUS WASTE ONLY)
						M/C/E	Method Used						
Within the Country	20 03 01	No	0.0	mixed municipal waste	D15	M	Weighted	Onsite in Ireland	Powerstown Landfill, W025-03	Powerstown Landfill, Powerstown, Carlow, Ireland			

The following Explanatory Notes apply to the Description of Waste column of this table: