Facility Information Summary	
Licence Register Number	W0011-02
Name of site	Ballymurtagh Landfill & Civic Amenity Facility
Site Location	Tinnahinch, Avoca, Co. Wicklow
NACE Code	IESE
Class of Activity	Disposal & Recovery of Non-Hazardous Waste
RBME risk category	High
National Grid Reference (6E, 6 N)	-6.22865,52.87457

A brief description of the activities/process at the site for the reporting year. This should include information such as production increases or decreases on site, any infrastructural changes, environmental performance improvements which were measured during the reporting year;

Ballymurtagh is a closed landfill (10 years) and now only operates a Recycling facility at the site.

Declaration:

All the data and information presented in this report has been checked and certified as being accurate. The quality of the information is assured to meet licence requirements.

Signature Group/Facility manager (or nominated, suitably qualified and experienced deputy)	Robert Kelly	Date	17052012

AER summary template-AIR emissions

			Additional information
1	Does your site have licensed air emissions? If yes please complete table 1, 2 and 3 below for the current reporting year and answer further questions. If **you do not have** licenced emissions and **do not complete a solvent management plan** (table 5 and 6) you only need to complete table 1 fugitive emissions on site below	Yes	

Table 1 Fugitive emissions

Parameter /Substance	Annual fugitive emission (kg/annum)	Quantificaton method M/C/E
Methane (CH4)	238519	C
Carbon dioxide (CO2)	1043367	C

Periodic/Non-Continuous Monitoring

2	Are there any results in breach of licence requirements? If yes please provide brief details in the comment section of Table 2 below	No	
3	Was all monitoring carried out in accordance with EPA guidance note AG2 and using the basic air monitoring checklist? Basic air monitoring checklist AGN2	Yes	

Table 2: Licensed Mass Emissions/Ambient data-periodic monitoring (non-continuous)

Emission reference no:	Parameter/ Substance	Date of Monitoring	ELV in licence or any revision therof	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence limit	Method of analysis	Annual mass load (kg)	% change in mass load from previous year +/-	Comments
Flare	volumetric flow	23/01/2012	3000 m^3/hr	100 % of values < ELV	161	Nm3/hour	yes	OTH		not applicable	
Flare	Carbon monoxide (CO)	23/01/2012	No limit		16.3	mg/Nm3	not applicable#	OTH	37.46	85	
Flare	Sulphur oxides (SOx/SO2)	23/01/2012	No limit		6.89	mg/Nm3	not applicable#	OTH	15.63	-92	
Flare	Nitrogen oxides (NOx/NO2)	231/12	<150mg/Nm^3	SELECT	56.2	mg/Nm3	yes	OTH	129.2	-19	

Note 1: Volumetric flow shall be included as a reportable parameter

Continuous Monitoring

4	Does your site carry out continuous air emissions monitoring?	Yes	

If yes please review your continuous monitoring data and report the required fields below in Table 3 and compare it to its relevant Emission Limit Value (ELV)

5	Did continuous monitoring equipment experience downtime? If yes please record downtime in table 3 below	Yes	
6	Do you have a proactive service agreement for each piece of continuous monitoring equipment?	No	
7	Did your site experience any abatement system bypasses? If yes please detail them in table 4 below	No	

Table 3: Summary of average emissions -continuous monitoring

Emission reference no:	Parameter/ Substance	ELV in licence or any revision therof	Averaging Period	Compliance Criteria	Units of measurement	Annual Emission	Annual maximum	Monitoring Equipment downtime (hours)	% compliance current reporting year	Comments
Flare	Carbon monoxide (CO)	not applicable	not applicable	SELECT	mg/Nm3	37.46 kg	2.5	1030	100	

note 1: Volumetric flow shall be included as a reportable parameter.

Table 4: Abatement system bypass reporting table

Bypass protocol

Date*	Duration** (hours)	Location	Reason for bypass	Corrective action

* this should include all dates that an abatement system bypass occurred

** an accurate record of time bypass beginning and end should be logged on site and maintained for future Agency inspections please refer to bypass protocol link

8 Do you have a total Emission Limit Value of direct and fugitive emissions on site? if yes please fill out table 5

SELECT	

Table 5: Solvent Management Plan Summary Total VOC Emission limit value			Solvent regulations	Please refer to linked solvent regulations to complete table 5 and 6	
Reporting year	Total solvent input on site (kg)	Total VOC emissions to Air from entire site (direct and fugitive)	Total VOC emissions as %of solvent input	Total Emission Limit Value (ELV) in licence or any revision therof	Compliance
					SELECT
					SELECT

Table 6: Solvent Mass Balance summary

	(I) Inputs (kg)	(O) Outputs (kg)						
Solvent	(I) Inputs (kg)	Organic solvent emission in waste gases(kg)	Solvents lost in water (kg)	Collected waste solvent (kg)	Fugitive Organic Solvent (kg)	Solvent released in other ways e.g. by-passes (kg)	Solvents destroyed onsite through physical reaction e.g. incineration(kg)	Total emission of Solvent to air (kg)
							Total	

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)

		Additional information
1	Does your site have licensed emissions direct to surface water or direct to sewer? If yes please complete table 3 and 4 below for the current reporting year and answer further questions. If **you do not have** licenced emissions you only need to complete table 1 and /table 2 below for ambient monitoring and visual inspections	Yes — Suspended Solids
2	Was it a requirement of your licence to carry out visual inspections on any surface water discharges or watercourses on or near your site? If yes please complete table 2 below summarising only any evidence of contamination noted during visual inspections	Yes

Table 1 Ambient monitoring

Location reference	Location relative to site activities	PRTR Parameter	Licenced Parameter	Monitoring date	ELV or trigger level in licence or any revision thereof*	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Comments
SW1	upstream		Ammonia (as N)	Yearly Average	<1	All values < ELV	<0.08	mg/L	yes	
SW1	upstream		pH	Yearly Average	6 - 9	No pH value shall deviate from the specified range.	6.7	pH units	yes	
SW1	upstream		Suspended Solids	Yearly Average	35	All values < ELV	3	mg/L	yes	
SW1	upstream	Chlorides (as Cl)		Yearly Average	250	All values < ELV	8.5	mg/L	yes	
SW1	upstream		Dissolved Oxygen	Yearly Average	No abnormal change		10.7	mg/L	yes	
SW1	upstream		BOD	Yearly Average	5	All values < ELV	<2	mg/L	yes	
SW1	upstream		COD	Yearly Average	40	All values < ELV	13	mg/L	yes	
SW1	upstream		Conductivity	Yearly Average	1000	All values < ELV	67	µS/cm @20oC	yes	
SW1	upstream		Temperature	Yearly Average	25	All values < ELV	12	degrees C	yes	
SW1	upstream		Sulphate	Yearly Average	200	All values < ELV	9	mg/L	yes	
SW2	upstream		Ammonia (as N)	Yearly Average	<1	All values < ELV	<0.08	mg/L	yes	influenced by the Ballygahan mine drainage
SW2	upstream		pH	Yearly Average	6 - 9	No pH value shall deviate from the specified range.	6.6	pH units	yes	influenced by the Ballygahan mine drainage
SW2	upstream		Suspended Solids	Yearly Average	35	All values < ELV	4	mg/L	yes	influenced by the Ballygahan mine drainage
SW2	upstream	Chlorides (as Cl)		Yearly Average	250	All values < ELV	8.5	mg/L	yes	influenced by the Ballygahan mine drainage
SW2	upstream		Dissolved Oxygen	Yearly Average	No abnormal change		10.8	mg/L	yes	influenced by the Ballygahan mine drainage
SW2	upstream		BOD	Yearly Average	5	All values < ELV	<2	mg/L	yes	influenced by the Ballygahan mine drainage
SW2	upstream		COD	Yearly Average	40	All values < ELV	12	mg/L	yes	influenced by the Ballygahan mine drainage
SW2	upstream		Conductivity	Yearly Average	1000	All values < ELV	65	µS/cm @20oC	yes	influenced by the Ballygahan mine drainage
SW2	upstream		Temperature	Yearly Average	25	All values < ELV	12	degrees C	yes	influenced by the Ballygahan mine drainage
SW2	upstream		Sulphate	Yearly Average	200	All values < ELV	8	mg/L	yes	influenced by the Ballygahan mine drainage
SW3	downstream		Ammonia (as N)	Average for first three quarters of 2011.	<1	All values < ELV	9.3	mg/L	no (if no please enter details in comments box)	Contains acid mine drainage. This point changed to a groundwater monitoring point in new licence W0011-02 issued in August 2011. GW3 appears in Ground Water monitoring for Q4.
SW3	downstream		pH	Average for first three quarters of 2011.	6 - 9	No pH value shall deviate from the specified range.	4.3	pH units	no (if no please enter details in comments box)	Contains acid mine drainage. This point changed to a groundwater monitoring point in new licence W0011-02 issued in August 2011. GW3 appears in Ground Water monitoring for Q4.
SW3	downstream		Suspended Solids	Average for first three quarters of 2011.	35	All values < ELV	4	mg/L	yes	Contains acid mine drainage. This point changed to a groundwater monitoring point in new licence W0011-02 issued in August 2011. GW3 appears in Ground Water monitoring for Q4.
SW3	downstream	Chlorides (as Cl)		Average for first three quarters of 2011.	250	All values < ELV	30	mg/L	yes	Contains acid mine drainage. This point changed to a groundwater monitoring point in new licence W0011-02 issued in August 2011. GW3 appears in Ground Water monitoring for Q4.
SW3	downstream		Dissolved Oxygen	Average for first three quarters of 2011.	No abnormal change		7.2	mg/L	yes	Contains acid mine drainage. This point changed to a groundwater monitoring point in new licence W0011-02 issued in August 2011. GW3 appears in Ground Water monitoring for Q4.
SW3	downstream		BOD	Average for first three quarters of 2011.	5	All values < ELV	4	mg/L	yes	Contains acid mine drainage. This point changed to a groundwater monitoring point in new licence W0011-02 issued in August 2011. GW3 appears in Ground Water monitoring for Q4.

SW3	downstream		COD	Average for first three quarters of 2011.	40	All values < ELV	11	mg/L	yes	Contains acid mine drainage. This point changed to a groundwater monitoring point in new licence W0011-02 issued in August 2011. GW3 appears in Ground Water monitoring for Q4.
SW3	downstream		Conductivity	Average for first three quarters of 2011.	1000	All values < ELV	1877	µS/cm @20oC	no (if no please enter details in comments box)	Contains acid mine drainage. This point changed to a groundwater monitoring point in new licence W0011-02 issued in August 2011. GW3 appears in Ground Water monitoring for Q4.
SW3	downstream		Temperature	Average for first three quarters of 2011.	25	All values < ELV	13	degrees C	yes	Contains acid mine drainage. This point changed to a groundwater monitoring point in new licence W0011-02 issued in August 2011. GW3 appears in Ground Water monitoring for Q4.
SW3	downstream		Sulphate	Average for first three quarters of 2011.	200	All values < ELV	1281	mg/L	no (if no please enter details in comments box)	Contains acid mine drainage. This point changed to a groundwater monitoring point in new licence W0011-02 issued in August 2011. GW3 appears in Ground Water monitoring for Q4.
SW4	downstream		Ammonia (as N)	Yearly Average	<1	All values < ELV	0.13	mg/L	yes	
SW4	downstream		pH	Yearly Average	6 - 9	No pH value shall deviate from the specified range.	6	pH units	yes	
SW4	downstream		Suspended Solids	Yearly Average	35	All values < ELV	14	mg/L	yes	
SW4	downstream	Chlorides (as Cl)		Yearly Average	250	All values < ELV	9	mg/L	yes	
SW4	downstream		Dissolved Oxygen	Yearly Average	No abnormal change		10.5	mg/L	yes	
SW4	downstream		BOD	Yearly Average	5	All values < ELV	<2	mg/L	yes	
SW4	downstream		COD	Yearly Average	40	All values < ELV	11	mg/L	yes	
SW4	downstream		Conductivity	Yearly Average	1000	All values < ELV	92	µS/cm @20oC	no (if no please enter details in comments box)	
SW4	downstream		Temperature	Yearly Average	25	All values < ELV	12	degrees C	yes	
SW4	downstream		Sulphate	Yearly Average	200	All values < ELV	18	mg/L	yes	
SW5	downstream		Ammonia (as N)	Yearly Average	<1	All values < ELV	<0.08	mg/L	yes	
SW5	downstream		pH	Yearly Average	6 - 9	No pH value shall deviate from the specified range.	6.3	pH units	yes	
SW5	downstream		Suspended Solids	Yearly Average	35	All values < ELV	3	mg/L	yes	
SW5	downstream	Chlorides (as Cl)		Yearly Average	250	All values < ELV	9	mg/L	yes	
SW5	downstream		Dissolved Oxygen	Yearly Average	No abnormal change		10.7	mg/L	yes	
SW5	downstream		BOD	Yearly Average	5	All values < ELV	<2	mg/L	yes	
SW5	downstream		COD	Yearly Average	40	All values < ELV	12	mg/L	yes	
SW5	downstream		Conductivity	Yearly Average	1000	All values < ELV	78	µS/cm @20oC	no (if no please enter details in comments box)	
SW5	downstream		Temperature	Yearly Average	25	All values < ELV	12	degrees C	yes	
SW5	downstream		Sulphate	Yearly Average	200	All values < ELV	13	mg/L	yes	

*trigger values may be agreed by the Agency outside of licence conditions

Table 2 Visual inspections-Please only enter details where contamination was observed.

Location Reference	Date of inspection	Description of contamination	Source of contamination	Corrective action	Comments
			SELECT		
			SELECT		

Licensed Emissions to water and /or wastewater(sewer)-periodic monitoring (non-continuous)

3	Was there any result in breach of licence requirements? If yes please provide brief details in the comment section of Table 3 below		No	Additional information
4	Was all monitoring carried out in accordance with EPA guidance and checklists for Quality of Aqueous Monitoring Data Reported to the EPA? If no please detail what areas require improvement in additional information box	External /Internal Lab Quality checklist / Assessment of results checklist	Yes	

Table 3: Licensed Emissions to water and /or wastewater (sewer)-periodic monitoring (non-continuous)

Emission reference no:	Emission released to	Parameter/ SubstanceNote 1	Type of sample	Date of Monitoring	Averaging period	ELV or trigger values in licence or any revision thereof[Note 2]	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Method of analysis	Procedural reference source	Procedural reference standard number	Annual mass load (kg)	% change in mass load from previous year +/-	Comments
SW6	Water	Ammonia (as N)	discrete	14/11/2011	30 minutes	<1	All values < ELV	<0.08	mg/L	yes	Spectrophotometry (Colorimetry)	Other (please specify)	SMEWW 4500F	data not available	New monitoring point established during 2011	Flowmeter to be installed durig 2012

SW6	Water	pH	discrete	14/11/2011	30 minutes	6 - 9	All values < ELV	7.9	pH units	yes	ISE (Ion Selective Electrode)	Other (please specify)	TP 003	data not available	New monitoring point established during 2011	Flowmeter to be installed durig 2012
SW6	Water	Suspended Solids	discrete	14/11/2011	30 minutes	35	All values < ELV	7	mg/L	yes	Gravimetric analysis	Other (please specify)	SMEWW 2540D	data not available	New monitoring point established during 2011	Flowmeter to be installed durig 2012
SW6	Water	Dissolved Oxygen	discrete	14/11/2011	30 minutes	No abnormal change	All values < ELV	10.7	mg/L	yes	Dissolved Oxygen Meter (Electrode)	Other (please specify)	MEWAM Book 16	data not available	New monitoring point established during 2011	Flowmeter to be installed durig 2012
SW6	Water	BOD	discrete	14/11/2011	30 minutes	5	All values < ELV	<2	mg/L	yes	Dissolved Oxygen Meter (Electrode)	Other (please specify)	SMEWW 5210B	data not available	New monitoring point established during 2011	Flowmeter to be installed durig 2012
SW6	Water	COD	discrete	14/11/2011	30 minutes	40	All values < ELV	7	mg/L	yes	Spectrophotometry (Colorimetry)	Other (please specify)	TP 006	data not available	New monitoring point established during 2011	Flowmeter to be installed durig 2012
SW6	Water	Conductivity	discrete	14/11/2011	30 minutes	1000	All values < ELV	563	mg/L	yes	Conductivity Meter (Electrode)	Other (please specify)	TP 005	data not available	New monitoring point established during 2011	Flowmeter to be installed durig 2012
SW6	Water	Temperature	discrete	14/11/2011	30 minutes	25	All values < ELV	12	degrees C	yes	Thermometer	Other (please specify)	On site	data not available	New monitoring point established during 2011	Flowmeter to be installed durig 2012
SW6	Water	Sulphate	discrete	14/11/2011	30 minutes	200	All values < ELV	130	mg/L	yes	Spectrophotometry (Colorimetry)	Other (please specify)	TP 002	data not available	New monitoring point established during 2011	Flowmeter to be installed durig 2012

Note 1: Volumetric flow shall be included as a reportable parameter

Note 2: Where Emission Limit Values (ELV) do not apply to your licence please compare results against EQS for Surface water or relevant receptor quality standards

Continuous monitoring

			Additional Information
5	Does your site carry out continuous emissions to water/sewer monitoring?	No	

If yes please summarise your continuous monitoring data below in Table 4 and compare it to its relevant Emission Limit Value (ELV)

6	Did continuous monitoring equipment experience downtime? **If yes please record downtime in table 4 below**	SELECT	
7	Do you have a proactive service contract for each piece of continuous monitoring equipment on site?	SELECT	
8	Did abatement system bypass occur during the reporting year? **If yes please complete table 5 below**	SELECT	

Table 4: Summary of average emissions -continuous monitoring

Emission reference no:	Emission released to	Parameter/ Substance	ELV or trigger values in licence or any revision thereof	Averaging Period	Compliance Criteria	Units of measurement	Annual Emission for current reporting year (kg)	% change +/- from previous reporting year	Monitoring Equipment downtime (hours)	% compliance current reporting year	Comments
	SELECT	SELECT		SELECT	SELECT	SELECT					
	SELECT	SELECT		SELECT	SELECT	SELECT					

note 1: Volumetric flow shall be included as a reportable parameter.

Table 5: Abatement system bypass reporting table

Date	Duration (hours)	Location	Resultant emissions	Reason for bypass	Corrective action*	Was a report submitted to the EPA?	When was this report submitted?
						SELECT	

*Measures taken or proposed to reduce or limit bypass frequency

Bund/pipe testing report summary ALL IPPC/WASTE licensed facilities | Intensive agriculture facilities please use alternative template

Bund testing | dropdown menu click to see options

			Additional information
1	Are you required by your licence to undertake integrity testing on bunds and containment structures ? if yes please fill out table 1 below listing all bunds and containment structures on site	Yes	
2	Please provide integrity testing frequency period	3 years	
3	Does the site maintain a register of bunds, underground pipelines (including stormwater and foul), Tanks, sumps and containers? (containers refers to "Chemstore" type units and mobile bunds)	No	No concrete or other bunds on site.

Table 1: Summary details of bund integrity test

Bund/Containment structure ID	Type	Specify Other type	Product containment	Actual capacity	Capacity required*	Type of integrity test	Other test type	Test date	Integrity reports maintained on site?	Results of test	Integrity test failure explanation <50 words	Corrective action taken	Scheduled date for retest	Results of retest(if in current reporting year)
	prefabricated					SELECT			SELECT	SELECT		SELECT		
	SELECT					SELECT			SELECT	SELECT		SELECT		

* Capacity required should comply with 25% or 110% containment rule as detailed in your licence

			Commentary
4	Has integrity testing been carried out in accordance with licence requirements and are all structures tested in line with BS8007/EPA Guidance?	bunding and storage guidelines	SELECT	
5	Are channels/transfer systems to remote containment systems tested?		SELECT	
6	Are channels/transfer systems compliant in both integrity and available volume?		SELECT	
7	Do all sumps and chambers have high level liquid alarms?		SELECT	
8	If yes to Q7 are these failsafe systems included in a maintenance and testing programme?		SELECT	

Pipeline/underground structure testing

1	Are you required by your licence to undertake integrity testing on underground structures e.g. pipelines or sumps etc ? if yes please fill out table 2 below listing all underground structures and pipelines on site	SELECT	
2	Please provide integrity testing frequency period	SELECT	

Table 2: Summary details of underground structures/pipeline integrity test

Structure ID	Type system	Material of construction:	Does this structure have Secondary containment?	Type of secondary containment	Type integrity testing	Integrity reports maintained on site?	Results of test	Integrity test failure explanation <50 words	Corrective action taken	Scheduled date for retest	Results of retest(if in current reporting year)
	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT				SELECT

Please use commentary for additional details not answered by tables/ questions above

		Yes	No	N/A						
	a)invest in capital improveme	b) operational improvements	c)nothing	1	2	3	4	5	7	8
reinforced concrete	general purpose concrete	prefabricated	other (please specify)							
Pass	Fail									
Storm	Foul	Process								
steel	ceramic	concrete	pvc	polypropylene	other(please specify)	Mix (please specify)				
Double walled piping	Pipe in channel	Other (please specify)								
CCTV	Hydraulic	Air	Combination							
Replaced section	Relined	Repaired crack	Removed obstruction	Other (please describe)						
3 years	Other (please specify)									
Hydraulic test	Structural assessment	Other (please specify)								

Tank and Pipeline assessment reporting-Intensive Agriculture sector only

			Additional information if required
1	Is it a requirement of your licence to carry out a tank and pipeline assessment for effluent storage on site?	SELECT	
2	is it a requirement of your licence to submit a programme for agreement to the Agency prior to carrying out a tank and pipeline assessment?	SELECT	
3	If yes has a programme been submitted to the Agency for agreement on the testing and inspection of under and over-ground effluent storage tanks and pipelines? Please enter date of submission in additional information	SELECT	
4	What method has been proposed for the testing of under and over ground effluent storage tanks and pipelines?	SELECT	
5	Has the testing and inspection of under and over ground effluent storage tanks and pipelines been completed during the current reporting year? If no please enter date last tank and pipeline assessment was completed in additional information.	SELECT	
6	If Visual inspection was the method used were any cracks or defects detected? If yes please detail in additional information	SELECT	
7	If yes to Q6 have the cracks or defects been repaired successfully? If no please explain in additional information	SELECT	
8	If hydrogeological or geophysics investigation methods were used was there any evidence of contamination detected? If yes please detail in additional information	SELECT	
9	If yes to Q8 please detail proposed or completed remediation work in additional information		
10	Are there any leak detection systems on site? Please see Department of Agricultures S126 and EPA guidance on Storage and Bunding of materials for required systems S126.pdf bunding and storage guidelines	SELECT	
11	From the visual inspections carried out has any discharge been visible in the leak detection inspection chamber? If yes please enter details in table 1	SELECT	
12	Was it a requirement of your licence to analyse samples for the current reporting year. If yes please enter details of any samples taken in table 2 below	SELECT	
13	When is the next tank and pipeline assessment due?		
14	Does the licensee consider they are compliant with licence conditions?	SELECT	
15	Include details of any other findings of report		

Table 1: Visual inspection of leak detection chamber

Date	Evidence of discharge	Samples taken (reference in table 2)

Table 2: Samples collected from leak detection chamber

Date	Sample frequency	Sample id	Colour/Odour	Parameter	ELV (If applicable)	Measured value
	SELECT					
	SELECT					

Table 3 Storage capacity for Organic Fertiliser

Total organic fertiliser storage capacity (m3)	Quantity of organic fertiliser generated by the animals housed on site in previous reporting year	Total quantity of organic fertiliser moved off site and recorded in the organic fertiliser register and "record 3" as submitted to DAFM* in previous reporting year	Quantity of organic fertiliser on site at the start of reporting year	Quantity of organic fertiliser at close of current reporting year	Have records of movement of organic fertiliser (record 3) for the previous calendar year been submitted to DAFM?
					SELECT

*DAFM -Department of Agriculture Food and Marine

Complaints

Have you received any environmental complaints in the current reporting year? If yes please complete summary details of complaints received on site in table 1 below		Additional information
	No	

Table 1 Complaints summary

Date	Category	Other type (please specify)	Brief description of complaint (Free txt <20 words)	Corrective action< 20 words	Resolution status	Resolution date	Further information
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		

Total complaints open at start of reporting year	
Total new complaints received during reporting year	
Total complaints closed during reporting year	
Balance of complaints end of reporting year	

Incidents

Have any incidents occurred on site in the current reporting year? Please list all incidents for current reporting year in Table 2 below		Additional information
	SELECT	

*For information on how to report and what constitutes an incident	What is an incident

Table 2 Incidents summary

Date of occurrence	Incident nature	Location of occurrence	Incident category*please refer to guidance	Receptor	Cause of incident	Other cause(please specify)	Activity in progress at time of incident	Communication	Occurrence	Corrective action<20 words	Preventative action <20 words	Resolution status	Resolution date	Liklihood of reoccurence
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT

Total number of incidents current year	
Total number of incidents previous year	
% reduction/ increase	

Groundwater /Contaminated land summary report

			Comments
1	Are you required to carry out groundwater monitoring as part of your licence requirements?	yes	
2	Are you required to carry out soil monitoring as part of your licence requirements?	no	
3	Do you extract groundwater for use on site? If yes please specify use in comment section	no	
4	Is there contaminated land and /or groundwater on site? If yes please answer q's 5-12	no	
5	Is the contamination related to operations at the facility (either current and/or historic)	yes	Histroic contamination due to mine works in area.
6	Have actions been taken to address contamination issues?If yes please summarise remediation strategies proposed/undertaken for the site	no	
7	Please specify the proposed time frame for the remediation strategy	SELECT	
8	Is there a licence condition to carry out/update ELRA for the site?	yes	
9	Has any type of risk assesment been carried out for the site?	yes	
10	Has a Conceptual Site Model been developed for the site?	no	
11	Have potential receptors been identified on and off site?	yes	
12	Is there evidence that contamination is migrating offsite?	yes	Acid mine drainage leaving site

Table 1: Upgradient Groundwater monitoring results

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration++	Average Concentration+	unit	GTV's*	IGV	% change in average concentration previous year +/-	Upward trend in pollutant concentration over last 5 years of monitoring data
Annual Average	G1/05	Ammonical Nitrogen	Colourimetric	Quarterly	<0.08	<0.08	mg/l	0.15	IGV	0	No
Annual Average	G1/05	Chloride	Ion Chromatography	Quarterly	16	15	mg/l	30	IGV	0	No
Annual Average	G1/05	Conductivity	Electrometry	Quarterly	1804	1646	uS/cm @20 degrees C	1000	IGV	17	No
Annual Average	G1/05	Dissolved Oxygen	DO Probe	Quarterly	8.6	7.05	mg/l	No Abnormal Change	IGV	8	No
Annual Average	G1/05	Iron	Direct Aspiration/ Flame AAS	Quarterly	1.76	0.69	mg/l	0.2	IGV	72	No
Annual Average	G1/05	Odour	On Site	Quarterly	Odourless	Odourless	not applicable	not applicable	IGV	not applicable	No
Annual Average	G1/05	pH	Hydrogen ion selective Electrode	Quarterly	4.1	3.9	pH units	6.5 - 9.5	IGV	8	No
Annual Average	G1/05	Potassium	Ion Chromatography	Quarterly	2	1.8	mg/l	5	IGV	-10	No
Annual Average	G1/05	Sodium	Ion Chromatography	Quarterly	11	11	mg/l	150	IGV	0	No
Annual Average	G1/05	Sulphate	Ion Chromatography	Quarterly	1367	1244	mg/l	200	IGV	11	No
Annual Average	G1/05	TOC	Heated Persulfate Oxidation	Quarterly	1.6	1.4	mg/l	No Abnormal Change	IGV	14	No
Annual Average	G1/05	Total Phenols	Distallation/ Colormetery	Quarterly	0.07	0.6	mg/l	0.5	IGV	84	No
Annual Average	G1/05	Faecal Coliforms	Membrane Filtration	Quarterly	0	0	cfu/100mls	0	IGV	0	No
Annual Average	G1/05	Total Coliforms	Membrane Filtration	Quarterly	0	0	cfu/100mls	0	IGV	0	No
Annual Average	G2/05	Ammonical Nitrogen	Colourimetric	Quarterly	<0.08	<0.08	mg/l	0.15	IGV	0	No
Annual Average	G2/05	Chloride	Ion Chromatography	Quarterly	18	17	mg/l	30	IGV	12	No
Annual Average	G2/05	Conductivity	Electrometry	Quarterly	1298	1252	uS/cm @20 degrees C	1000	IGV	3	No
Annual Average	G2/05	Dissolved Oxygen	DO Probe	Quarterly	9.7	8.8	mg/l	No Abnormal Change	IGV	1	No
Annual Average	G2/05	Iron	Direct Aspiration/ Flame AAS	Quarterly	0.22	0.2	mg/l	0.2	IGV	-61	No
Annual Average	G2/05	Odour	On Site	Quarterly	Odourless	Odourless	not applicable	not applicable	IGV	not applicable	No
Annual Average	G2/05	pH	Hydrogen ion selective Electrode	Quarterly	4.4	4.05	pH units	6.5 - 9.5	IGV	1	No
Annual Average	G2/05	Potassium	Ion Chromatography	Quarterly	2	1.75	mg/l	5	IGV	-13	No
Annual Average	G2/05	Sodium	Ion Chromatography	Quarterly	19	13	mg/l	150	IGV	23	No

Annual Average	G2/05	Sulphate	Ion Chromatography	Quarterly	879	832	mg/l	200	IGV	3	No
Annual Average	G2/05	TOC	Heated Persulfate Oxidation	Quarterly	1.4	1.2	mg/l	No Abnormal Change	IGV	8	No
Annual Average	G2/05	Total Phenols	Distallation/ Colormetery	Quarterly	0.05	0.05	mg/l	0.5	IGV	-50	No
Annual Average	G2/05	Faecal Coliforms	Membrane Filtration	Quarterly	0	0	cfu/100mls	0	IGV	-100	No
Annual Average	G2/05	Total Coliforms	Membrane Filtration	Quarterly	70	20	cfu/100mls	0	IGV	-56	No
Annual Average	Twin Shafts	Ammonical Nitrogen	Colourimetric	Quarterly	0.18	0.11	mg/l	0.15	IGV	18	No
Annual Average	Twin Shafts	Chloride	Ion Chromatography	Quarterly	25	24	mg/l	30	IGV	12	No
Annual Average	Twin Shafts	Conductivity	Electrometry	Quarterly	398	371	uS/cm @20 degrees C	1000	IGV	10	No
Annual Average	Twin Shafts	Dissolved Oxygen	DO Probe	Quarterly	11.2	10.2	mg/l	No Abnormal Change	IGV	-6	No
Annual Average	Twin Shafts	Iron	Direct Aspiration/ Flame AAS	Quarterly	0.13	0.11	mg/l	0.2	IGV	9	No
Annual Average	Twin Shafts	Odour	On Site	Quarterly	Odourless	Odourless	not applicable	not applicable	IGV	not applicable	No
Annual Average	Twin Shafts	pH	Hydrogen ion selective Electrode	Quarterly	7	6.9	pH units	6.5 - 9.5	IGV	-5	No
Annual Average	Twin Shafts	Potassium	Ion Chromatography	Quarterly	9	8.3	mg/l	5	IGV	-31	No
Annual Average	Twin Shafts	Sodium	Ion Chromatography	Quarterly	10	10	mg/l	150	IGV	0	No
Annual Average	Twin Shafts	Sulphate	Ion Chromatography	Quarterly	117	105	mg/l	200	IGV	11	No
Annual Average	Twin Shafts	TOC	Heated Persulfate Oxidation	Quarterly	2	1.8	mg/l	No Abnormal Change	IGV	6	No
Annual Average	Twin Shafts	Total Phenols	Distallation/ Colormetery	Quarterly	0.07	0.06	mg/l	0.5	IGV	17	No
Annual Average	Twin Shafts	Faecal Coliforms	Membrane Filtration	Quarterly	100	27	cfu/100mls	0	IGV	-73	No
Annual Average	Twin Shafts	Total Coliforms	Membrane Filtration	Quarterly	100	75	cfu/100mls	0	IGV	-25	No

.+ where average indicates arithmetic mean

.++ maximum concentration indicates the maximum measured concentration from all monitoring results produced during the reporting year

Table 2: Downgradient Groundwater monitoring results

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration	Average Concentration	unit	GTV's*	SELECT**	% change in average concentration previous year +/-	Upward trend in yearly average pollutant concentration over last 5 years of monitoring data
Annual Average	G1/04	Ammonical Nitrogen	Colourimetric	Quarterly	0.23	0.15	mg/l	0.15	IGV	-94	No
Annual Average	G1/04	Chloride	Ion Chromatography	Quarterly	33	25	mg/l	30	IGV	64	No
Annual Average	G1/04	Conductivity	Electrometry	Quarterly	9590	8963	uS/cm @20 degrees C	1000	IGV	-7	No
Annual Average	G1/04	Dissolved Oxygen	DO Probe	Quarterly	9.4	8.1	mg/l	No Abnormal Change	IGV	-6	No
Annual Average	G1/04	Iron	Direct Aspiration/ Flame AAS	Quarterly	62	57	mg/l	0.2	IGV	-12	No
Annual Average	G1/04	Odour	On Site	Quarterly	Odourless	Odourless	not applicable	not applicable	IGV	not applicable	No
Annual Average	G1/04	pH	Hydrogen ion selective Electrode	Quarterly	3.3	3.2	pH units	6.5 - 9.5	IGV	-5	No
Annual Average	G1/04	Potassium	Ion Chromatography	Quarterly	7	5	mg/l	5	IGV	0	No
Annual Average	G1/04	Sodium	Ion Chromatography	Quarterly	10	7	mg/l	150	IGV	29	No
Annual Average	G1/04	Sulphate	Ion Chromatography	Quarterly	13520	12154	mg/l	200	IGV	-2	No
Annual Average	G1/04	TOC	Heated Persulfate Oxidation	Quarterly	6.9	6.7	mg/l	No Abnormal Change	IGV	-2	No
Annual Average	G1/04	Total Phenols	Distallation/ Colormetery	Quarterly	0.17	0.08	mg/l	0.5	IGV	37	No
Annual Average	G1/04	Faecal Coliforms	Membrane Filtration	Quarterly	26	7	cfu/100mls	0	IGV	14	No

Annual Average	G1/04	Total Coliforms	Membrane Filtration	Quarterly	32	19	cfu/100mls	0	IGV	-81	No
First Three quarters of 2011. Well not monitored in new licence.	BH96/3	Ammonical Nitrogen	Colourimetric	Quarterly	209	182	mg/l	0.15	IGV	7	No
First Three quarters of 2011. Well not monitored in new licence.	BH96/3	Chloride	Ion Chromatography	Quarterly	99	92	mg/l	30	IGV	42	No
First Three quarters of 2011. Well not monitored in new licence.	BH96/3	Conductivity	Electrometry	Quarterly	3810	3627	uS/cm @20 degrees C	1000	IGV	2	No
First Three quarters of 2011. Well not monitored in new licence.	BH96/3	Dissolved Oxygen	DO Probe	Quarterly	5.2	5	mg/l	No Abnormal Change	IGV	20	No
First Three quarters of 2011. Well not monitored in new licence.	BH96/3	Iron	Direct Aspiration/ Flame AAS	Quarterly	1.05	0.75	mg/l	0.2	IGV	72	No
First Three quarters of 2011. Well not monitored in new licence.	BH96/3	Odour	On Site	Quarterly	Odourless	Odourless	not applicable	not applicable	IGV	not applicable	No
First Three quarters of 2011. Well not monitored in new licence.	BH96/3	pH	Hydrogen ion selective Electrode	Quarterly	7.9	7.5	pH units	6.5 - 9.5	IGV	-5	No
First Three quarters of 2011. Well not monitored in new licence.	BH96/3	Potassium	Ion Chromatography	Quarterly	85	79	mg/l	5	IGV	32	No
First Three quarters of 2011. Well not monitored in new licence.	BH96/3	Sodium	Ion Chromatography	Quarterly	62	60	mg/l	150	IGV	72	No
First Three quarters of 2011. Well not monitored in new licence.	BH96/3	Sulphate	Ion Chromatography	Quarterly	1203	1132	mg/l	200	IGV	-7	No
First Three quarters of 2011. Well not monitored in new licence.	BH96/3	TOC	Heated Persulfate Oxidation	Quarterly	24	21	mg/l	No Abnormal Change	IGV	29	No
First Three quarters of 2011. Well not monitored in new licence.	BH96/3	Total Phenols	Distallation/ Colormetery	Quarterly	0.55	0.22	mg/l	0.5	IGV	77	No
First Three quarters of 2011. Well not monitored in new licence.	BH96/3	Faecal Coliforms	Membrane Filtration	Quarterly	0	0	cfu/100mls	0	IGV	0	No
First Three quarters of 2011. Well not monitored in new licence.	BH96/3	Total Coliforms	Membrane Filtration	Quarterly	100	95	cfu/100mls	0	IGV	-5	No
New monitoring well. Began monitoring in last quarter of 2011.	RC6	Ammonical Nitrogen	Colourimetric	Quarterly	0.19	0.19	mg/l	0.15	IGV	New Well	New Well
New monitoring well. Began monitoring in last quarter of 2011.	RC6	Chloride	Ion Chromatography	Quarterly	18	18	mg/l	30	IGV	New Well	New Well
New monitoring well. Began monitoring in last quarter of 2011.	RC6	Conductivity	Electrometry	Quarterly	5280	5280	uS/cm @20 degrees C	1000	IGV	New Well	New Well
New monitoring well. Began monitoring in last quarter of 2011.	RC6	Dissolved Oxygen	DO Probe	Quarterly	10.4	10.4	mg/l	No Abnormal Change	IGV	New Well	New Well
New monitoring well. Began monitoring in last quarter of 2011.	RC6	Iron	Direct Aspiration/ Flame AAS	Quarterly	19	19	mg/l	0.2	IGV	New Well	New Well
New monitoring well. Began monitoring in last quarter of 2011.	RC6	Odour	On Site	Quarterly	Odourless	Odourless	not applicable	not applicable	IGV	New Well	New Well
New monitoring well. Began monitoring in last quarter of 2011.	RC6	pH	Hydrogen ion selective Electrode	Quarterly	3.1	3.1	pH units	6.5 - 9.5	IGV	New Well	New Well
New monitoring well. Began monitoring in last quarter of 2011.	RC6	Potassium	Ion Chromatography	Quarterly	<1	<1	mg/l	5	IGV	New Well	New Well
New monitoring well. Began monitoring in last quarter of 2011.	RC6	Sodium	Ion Chromatography	Quarterly	9	9	mg/l	150	IGV	New Well	New Well

New monitoring well. Began monitoring in last quarter of 2011.	RC6	Sulphate	Ion Chromatography	Quarterly	5828	5828	mg/l	200	IGV	New Well	New Well
New monitoring well. Began monitoring in last quarter of 2011.	RC6	TOC	Heated Persulfate Oxidation	Quarterly	4.2	4.2	mg/l	No Abnormal Change	IGV	New Well	New Well
New monitoring well. Began monitoring in last quarter of 2011.	RC6	Total Phenols	Distallation/ Colormetery	Quarterly	0.09	0.09	mg/l	0.5	IGV	New Well	New Well
New monitoring well. Began monitoring in last quarter of 2011.	RC6	Faecal Coliforms	Membrane Filtration	Quarterly	35	35	cfu/100mls	0	IGV	New Well	New Well
New monitoring well. Began monitoring in last quarter of 2011.	RC6	Total Coliforms	Membrane Filtration	Quarterly	0	0	cfu/100mls	0	IGV	New Well	New Well
New monitoring well. Began monitoring in last quarter of 2011.	SW3	Ammonical Nitrogen	Colourimetric	Quarterly	7.8	7.8	mg/l	0.15	IGV	New Well	New Well
New monitoring well. Began monitoring in last quarter of 2011.	SW3	Chloride	Ion Chromatography	Quarterly	15	15	mg/l	30	IGV	New Well	New Well
New monitoring well. Began monitoring in last quarter of 2011.	SW3	Conductivity	Electrometry	Quarterly	2020	2020	uS/cm @20 degrees C	1000	IGV	New Well	New Well
New monitoring well. Began monitoring in last quarter of 2011.	SW3	Dissolved Oxygen	DO Probe	Quarterly	9.7	9.7	mg/l	No Abnormal Change	IGV	New Well	New Well
New monitoring well. Began monitoring in last quarter of 2011.	SW3	Iron	Direct Aspiration/ Flame AAS	Quarterly	111	111	mg/l	0.2	IGV	New Well	New Well
New monitoring well. Began monitoring in last quarter of 2011.	SW3	Odour	On Site	Quarterly	Odourless	Odourless	not applicable	not applicable	IGV	New Well	New Well
New monitoring well. Began monitoring in last quarter of 2011.	SW3	pH	Hydrogen ion selective Electrode	Quarterly	4.4	4.4	pH units	6.5 - 9.5	IGV	New Well	New Well
New monitoring well. Began monitoring in last quarter of 2011.	SW3	Potassium	Ion Chromatography	Quarterly	10	10	mg/l	5	IGV	New Well	New Well
New monitoring well. Began monitoring in last quarter of 2011.	SW3	Sodium	Ion Chromatography	Quarterly	20	20	mg/l	150	IGV	New Well	New Well
New monitoring well. Began monitoring in last quarter of 2011.	SW3	Sulphate	Ion Chromatography	Quarterly	1413	1413	mg/l	200	IGV	New Well	New Well
New monitoring well. Began monitoring in last quarter of 2011.	SW3	TOC	Heated Persulfate Oxidation	Quarterly	<1	<1	mg/l	No Abnormal Change	IGV	New Well	New Well
New monitoring well. Began monitoring in last quarter of 2011.	SW3	Total Phenols	Distallation/ Colormetery	Quarterly	0.05	0.05	mg/l	0.5	IGV	New Well	New Well
New monitoring well. Began monitoring in last quarter of 2011.	SW3	Faecal Coliforms	Membrane Filtration	Quarterly	0	0	cfu/100mls	0	IGV	New Well	New Well
New monitoring well. Began monitoring in last quarter of 2011.	SW3	Total Coliforms	Membrane Filtration	Quarterly	0	0	cfu/100mls	0	IGV	New Well	New Well

* please note exceedance of a relevant Groundwater threshold value (GTV) at a representative monitoring point does not indicate non compliance, an exceedance triggers further investigation to confirm whether the criteria for poor groundwater chemical status are being met.

**Depending on location of the site and proximity to other sensitive receptors alternative Receptor based Water Quality standards should be used in addition to the GTV e.g. if the site is close to surface water compare to Surface Water Environmental Quality Standards (SWEQS), If the site is close to a drinking water supply compare results to the Drinking Water Standards (DWS)

Surface water EQS | Groundwater regulations GTV's | Drinking water (private supply) standards | Drinking water (public supply) standards | Interim Guideline Values (IGV)

Table 3: Soil results

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration	Average Concentration	unit
							SELECT
							SELECT

Where additional detail is required please enter it here in 200 words or less

Environmental Liability Risk Assessment

			Commentary
1	Is it a requirement of your licence to complete an ELRA?	Yes	
2	Has an initial ELRA been submitted to and approved by the Agency?	No	No. ELRA completed in May 2012
3	Please enter the date of submission of the initial ELRA		To be by the end May 2012
4	Date of most recent substantial ELRA update		May 2012 (First ELRA)
5	What financial instrument/s do you have in place to cover unknown liabilities?	Other	Wicklow County Council is currently reviewing their financial provision for the Ballymurtagh site in light of the ELRA report May 2012.
6	Has this financial instrument/s been verified by the Agency?	No	
7	What is the date of expiry of this financial instrument?		N/A
8	Date of next required review of the ELRA?		N/A
9	Please list the top 10 risks assessed on your site in table 1 below		

Table 1 ELRA summary information

Click here to access EPA guidance on ELRA	Operational Risk Assessment Category	SELECT

e.g

				Mitigation measures to reduce risk			ELRA		
Risk ID	Potential hazards	Environmental effect	Previous risk score	Action	Date of implementation of mitigation measures	Comment	Revised Risk score for current reporting year	ELRA costing	Does the current financial provision (FP) cover the risk score?
Chemical storage	Bund failure resulting in spillage of hazardous chemicals on site	Surface water /soil/groundwater contamination	6	Infrastructural improvements	31/05/2009	Relined all bunds >10years old on site	3	€10,000	Yes
Historical pollution	Release of acid mine drainage into underlying groundwater associated with historical mining onsite.	Surface water /soil/groundwater contamination	16	Capital investment	Unknown	Currently the Department of Communications, Energy & Natural Resources has committed funding for the diversion and treatment of water from the Road Adit which drains the underground mines that underlie the landfill site.	16	€500,000	Yes
Other- water pollution	Release of contaminated storm (e.g. release of waste/oil or suspended solids) water to the Avoca River from the civic facility	Surface water	9	Infrastructural improvements	By end 2012	Install silt trap and oil separator (in accordance with I.S. EN-858-2:2003) for the civic facility hard standing areas.	3	€20,000	Yes
Landfill	Release of landfill leachate into underlying groundwater.	Surface water /soil/groundwater contamination	6	Operational controls	Ongoing	Continue to monitor leacahte, groundwater, water emissions (adit discharge) and the river water quality upstream and downstream of the landfill site.	6	€10,000	Yes
Landfill	Release of excess landfill leachate into underlying groundwater following landfill cap failure.	Surface water /soil/groundwater contamination	6	Operational controls	By end 2012	The landfill cap performance to be reviewed by the Council to ensure the adequacy and performance of the surface water run-off management infrastructure to ensure and confirm it is diverting overland flow from the landfill cap to the greatest extent possible. Write up SOP for the biannual inspection of the landfill cap surface water run-off management infrastructure.	6	€10,000	Yes
Landfill	Uncontrolled release of landfill gas following malfunction of flare or gas collection system.	Offsite migration of potential odours at sensitive receptors.	6	Operational controls	By end 2012	Review the operational performance of the flare at the landfill.	6	€10,000	Yes
Landfill	Landslide resulting in the release of leachate into the stream, soils or groundwater.	Off site migration to soils/groundwater /or contamination of the Avoca River.	6	Operational controls	By end 2012	Continue to get an independent stability assessment and topography survey carried out annually.	6	€10,000	Yes
Other- water pollution	Release of contaminated storm (e.g. release of suspended solids) water to the Avoca River from the landfill	Surface water	6	Operational controls	By end 2012	The Lagoon is to be dredged as required (ongoing). The lagoons are to be visually inspected quarterly. This is to be recorded on a check sheet.	6	€20,000	Yes
Other (waste storage)	Spillage of contaminants from WEEE storage area at the civic waste facility	Surface water /soil/groundwater contamination	4	Infrastructural improvements	By end 2012	Review the need for kerbing around the WEEE waste storage are to prevent ingress of any contamination to soils/ground. Install silt trap and oil separator (in accordance with I.S. EN-858-2:2003) for the civic facility hard standing areas.	4	€5,000	Yes
Landfill	Landfill fire- accidental or malicious	Air pollution & water pollution from fire fighting water.	3	Operational controls	By end 2012	Review existing Fire Plan. Review site security and assess the risk of vandalism or arson.	3	€5,000	Yes
Other (waste disposal)	Potential unauthorised disposal of waste collected at the facility	Various	3	Operational controls	By end 2012	Carry out an audit of all waste contractors that remove waste from the civic facility.	3	€5,000	Yes
Other (waste oil storage)	Loss of integrity of the waste oil (hydrocarbons/ food grade oils) self bunded tank	Surface water /soil/groundwater contamination	3	Operational controls	By end 2012	Write up SOP for the inspection of the self bunded waste oil tanks at the civic facility.	3	€5,000	Yes
Total			SELECT	SELECT			SELECT		SELECT

Closure Restoration Aftercare Management Plan/ Restoration plan (CRAMP/RP)

1	Was a closure or restoration plan a requirement of the licence?	Yes	
2	Has a closure plan submission been approved by the Agency?	No	
3	What is the timescale for submission?		By the end of 2012
4	What financial instrument do you have in place to cover known liabilities?	SELECT	
5	What is the date of expiry of this financial instrument?		
6	What is the status of implementation of the plan?		

Table 2 CRAMP summary information (NON Landfill)

Date of submission of plan	Risk category	Closure plan in place	Clean closure	Restoration Aftercare Management Plan	Change in Risk category since previous year	Increase in risk category	Does the current financial provision cover the risk score?	Value of current financial provision for site
	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	

Environmental Management Programme (EMP)/Continuous Improvement Programme

Highlighted cells contain dropdown menu click to view

			Additional Information
1	Do you maintain an Environmental Mangement System for the site. If yes, please detail in additional information	No	
2	Does the EMS reference the most significant environmental aspects and associated impacts on-site	No	
3	Does the EMS maintain an Environmental Management Programme (EMP) as required in accordance with the licence requirements	Yes	
4	Do you maintain an environmental documentation/communication system to inform the public on environmental performance of the facility, as required by the licence	Yes	

Environmental Management Programme (EMP) report

Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes
Reduction of emissions to Air	Increase run time of flare	80	Daily balancing of Gas field	Individual	Reduced emissions
Additional improvements	Improve Surface water run off from capped area of landfill	100	New SW drains installed on site	Individual	Improved Environmental Management Practices
Materials Handling/Storage/Bunding	Install weighing mechanism in Civic Amenity Area	90	Purchase and Calibrate weighing system	Individual	Installation of infrastructure
Additional improvements	Install an LEMP at the facility	40	Define Onbjectives and Targets and specify action dates	Individual	Improved Environmental Management Practices
Additional improvements	Implement a condensate management program for LFG	80	Reduce all small diameter piping to flare, include on daily checklist	Individual	Improved Environmental Management Practices
Reduction of emissions to Air	Carry out independent assessment of gas field and implement recommendations	50	Independent Assesment now complete	Individual	Improved Environmental Management Practices
Additional improvements	Carry out indepenedant assessment of landfill capping performance	10	To be submitted before Feb. 2013	Individual	Increased compliance with licence conditions
Energy Efficiency/Utility conservation	Carry out Energy Efficency inspection	10	To be submitted before August 2012	Individual	Improved Environmental Management Practices
Additional improvements	Write an Accident Prevention procedure for Facility	90	Risk assesment carried out for the site.	Individual	Improved Environmental Management Practices
Additional improvements	Complete an Environmental Liabilities and Risk Assessment Report (ELRA)	100	Completed for submission with this AER	Individual	Improved Environmental Management Practices
Reduction of emissions to Water	Install Petrol/ Oil Interceptor on SW discharge to river	10	To be installed during 2012	Individual	Reduced emissions

Noise Monitoring Report Summary

1	Was noise monitoring a licence requirement for the AER period? If yes please fill in table 1 noise summary below	Yes
2	Was noise monitoring carried out using the EPA Guidance note including completion of the "Checklist for noise measurement report" included in the guidance note as table 6? Draft Noise Guidance	Yes
3	Does your site have a noise reduction plan	No
4	When was the noise reduction plan last updated?	
5	Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since the last noise survey?	No

Table 1: Noise monitoring summary

Date of monitoring	Time period	Noise location (on site)	Noise sensitive location -NSL (if applicable)	LA_{eq}	LA_{90}	LA_{10}	LA_{max}	Tonal or Impulsive noise* (Y/N)	If tonal /impulsive noise was identified was 5dB penalty applied?	Comments (ex. main noise sources on site, & extraneous noise ex. road traffic)	Is site compliant with noise limits (day/evening/night)?
13/10/2011	30 min		NSL1	48.4	27.9	36.6	76.9	No	SELECT	Birdsong, distant traffic No site noise	Yes
13/10/2011	30 min		NSL4	50.5	38.6	55.1	70.3	No		Heavy road traffic. No site noise	Yes

*Please ensure that a tonal analysis has been carried out as per guidance note NG4. These records must be maintained onsite for future inspection

If noise limits exceeded as a result of noise attributed to site activities, please choose the corrective action from the following options? SELECT

** please explain the reason for not taking action/resolution of noise issues?
Any additional comments? (less than 200 words)

Resource usage/ Energy Efficiency

		Additional information	
1	When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below	To be done before Aug-12	
2	Is the site a member of any accredited programmes for reducing energy usage/water conservation such as the SEAI programme linked to the right? If yes please list them in additional information	no	SEAI - Large Industry Energy Network (LIEN)
3	Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in additional information	SELECT	Not used

Table 1 Energy usage on site

Energy Use	Previous year kWh	Current year kWh	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total				
Electricity	62189	54196	-13	not applicable
Fossil Fuels:				
Heavy Fuel Oil				
Light Fuel Oil	4800 litres	4650 litres	-3	not applicable
Natural gas				
Coal/Solid fuel				
Renewable energy generated on site				

* where consumption of energy can be compared to overall site production please enter this information as percentage increase or decrease compared to the previous reporting year.
** where site production information is available please enter percentage increase or decrease compared to previous year

Table 2 Water usage on site

Water use	Previous year m3/yr.	Current year m3/yr.	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Groundwater				
Surface water				
Public supply	8300	8670	4	
Total				

* where consumption of water can be compared to overall site production please enter this information as percentage increase or decrease compared to the previous reporting year.
** where site production information is available please enter percentage increase or decrease compared to previous year

Table 3: Energy Audit finding recommendations

Date of audit	Recommendations	Description of Measures proposed	Origin of measures	Predicted energy savings %	Implementation date	Responsibility	Completion date	Status and comments
			SELECT					
			SELECT					
			SELECT					

SECTION A-PRTR WASTE TRANSFERS TAB- TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES

PRTR facility logon

dropdown list click to see options

SECTION B- WASTE ACCEPTED ONTO SITE-TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES

			Additional Information
1	Were any wastes accepted onto your site for recovery or disposal or treatment prior to recovery or disposal within the boundaries of your facility ?; (waste generated within your boundaries is to be captured through PRTR reporting)	Yes	
	If yes please enter details in table 1 below		
2	Did your site have any rejected consignments of waste in the current reporting year? If yes please give a brief explanation in the additional information	No	
3	Was waste accepted onto your site that was generated outside the Republic of Ireland? If yes please state the quantity in tonnes in additional information	No	

Table 1 Details of waste accepted onto your site for recovery, disposal or treatment (do not include wastes generated at your site, as these will have been reported in your PRTR workbook)

Licenced annual tonnage limit for your site (total tonnes/annum)	EWC code (European Waste Catalogue EWC codes)	Source of waste accepted	Description of waste accepted **Please enter an accurate and detailed description - which** European Waste Catalogue EWC codes	Quantity of waste accepted in current reporting year (tonnes)	Quantity of waste accepted in previous reporting year (tonnes)	Reduction/Increase over previous year +/ - %	Reason for reduction/increase from previous reporting year	Packaging Content (%)- only applies if the waste has a packaging component	Disposal/Recovery or treatment operation carried out at your site and the description of this operation	Quantity of waste remaining on site at the end of reporting year (tonnes)	Comments -
	15 01 01	General Avoca Catchment area.	paper and cardboard packaging	87.0	86	-1.2	Economic factors		R3	2	
	20 01 01	General Avoca Catchment area.	paper and cardboard	144.0	145	-0.7	Economic factors		R3	5	
	15 01 07	General Avoca Catchment area.	glass packaging	83.0	83	0	Economic factors		R3	4	
	15 01 04	General Avoca Catchment area.	metallic packaging	18.0	16	11	Economic factors		R5	0.3	
	20 01 40	General Avoca Catchment area.	metals	37.0	32	15	Economic factors		R4	1	
	15 01 02	General Avoca Catchment area.	plastic packaging	49.0	45	8	Economic factors		R4	1	
	15 01 05	General Avoca Catchment area.	composite packaging	6.0	9	-33	Economic factors		R3	0.2	
	20 01 11	General Avoca Catchment area.	textiles	11.0	21	-47	Economic factors		R3	1	
	16 06 01	General Avoca Catchment area.	lead batteries	2.33	5.6	-59	Economic factors		R3	0.5	
	16 06 04	General Avoca Catchment area.	alkaline batteries (except 16 06 03)	1.453	2.4	-42	Economic factors		R4	0.1	
	13 02 05	General Avoca Catchment area.	mineral-based non-chlorinated engine, gear and lubricating oils	2.9	1.8	62	Economic factors		R4	1	
	20 01 25	General Avoca Catchment area.	edible oil and fat	0.3	0.5	60	Economic factors		R9	0.1	

SECTION C-TO BE COMPLETED BY ALL WASTE FACILITIES (waste transfer stations, Composters, Material recovery facilities etc) EXCEPT LANDFILL SITES

4	Is all waste processing infrastructure as required by your licence and approved by the Agency in place? If no please list waste processing infrastructure required onsite	Yes	R4
5	Is all waste storage infrastructure as required by your licence and approved by the Agency in place? If no please list waste storage infrastructure required on site	Yes	
6	Does your facility have relevant nuisance controls in place?	Yes	
7	Do you have an odour management system in place for your facility? If no why?	No	Only dry recyclable material accepted
8	Do you maintain a sludge register on site?	No	

SECTION D-TO BE COMPLETED BY LANDFILL SITES ONLY

Table 2 Waste type and tonnage-landfill only

	Waste types permitted for disposal	Authorised/licenced annual intake for disposal (tpa)	Actual intake for disposal in reporting year (tpa)	Remaining licensed capacity at end of reporting year (m3)	Comments
e.g.	Household (residual)				
e.g.	Industrial non hazardous solids				

Table 3 General information-Landfill only

Area ID	Date landfilling commenced	Date landfilling ceased	Currently landfilling	Private or Public Operated	Inert or non-hazardous	Predicted date to cease landfilling	Licence permits asbestos	Is there a separate cell for asbestos?	Accepted asbestos in reporting year	Total disposal area occupied by waste	Lined disposal area occupied by waste	Unlined area	Comments on liner type
										SELECT UNIT	SELECT UNIT	SELECT UNIT	
Landfill Area	1989	2002	No	Public	Non Hazardous	Closed	No	No		6 acre	0	0	Area is unlined but is capped

Table 4 Environmental monitoring-landfill only Landfill Manual-Monitoring Standards

Was meterological monitoring in compliance with Landfill Directive (LD) standard in reporting year +	Was leachate monitored in compliance with LD standard in reporting year	Was Landfill Gas monitored in compliance with LD standard in reporting year	Was SW monitored in compliance with LD standard in reporting year	Have GW trigger levels been established	Were emission limit values agreed with the Agency (ELVs)	Was topography of the site surveyed in reporting year	Has the statement under S53(A)(5) of WMA been submitted in reporting year	Comments
Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	

.+ please refer to Landfill Manual linked above for relevant Landfill Directive monitoring standards

Table 5 Capping-Landfill only

Area uncapped*	Area with temporary cap	Area with final cap to LD Standard m2 ha, a	Area capped other	Area with waste that should be permanently capped to date under licence	What materials are used in the cap	Comments
SELECT UNIT	SELECT UNIT					
6 acres	0	6 acres	0	6 acres	As agreed with Agency	

*please note this includes daily cover area

Table 6 Leachate-Landfill only

9	Is leachate from your site treated in a Waste Water Treatment Plant?	No	
10	Is leachate released to surface water? If yes please complete leachate mass load information below	Yes	Mixed with Acid mine drainage

Volume of leachate in reporting year(m3)	Leachate (BOD) mass load (kg/annum)	Leachate (COD) mass load (kg/annum)	Leachate (NH4) mass load (kg/annum)	Leachate (Chloride) mass load kg/annum	Leachate treatment on-site	Specify type of leachate treatment	Comments

Please ensure that all information reported in the landfill gas section is consistent with the Landfill Gas Survey submitted in conjunction with PRTR returns

Table 7 Landfill Gas-Landfill only

Gas Captured&Treated by LFG System m3	Power generated (MW / KWh)	Used on-site or to national grid	Was surface emissions monitoring performed during the reporting year?	Comments
2284521	0	not applicable	Yes	

Environmental Protection Agency

Guidance to completing the PRTR workbook

AER Returns Workbook

Version 1.1.13

REFERENCE YEAR	2011

1. FACILITY IDENTIFICATION

Parent Company Name	Wicklow County Council
Facility Name	Ballymurtagh Landfill Facility
PRTR Identification Number	W0011
Licence Number	W0011-02

Waste or IPPC Classes of Activity

No.	class_name
4.11	Use of waste obtained from any activity referred to in a preceding paragraph of this Schedule.
3.1	Deposit on, in or under land (including landfill).
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.
3.2	Land treatment, including biodegradation of liquid or sludge discards in soils.
3.6	Biological treatment not referred to elsewhere in this Schedule which results in final compounds or mixtures which are disposed of by means of any activity referred to in paragraphs 1. to 10. of this Schedule.
3.7	Physico-chemical treatment not referred to elsewhere in this Schedule (including evaporation, drying and calcination) which results in final compounds or mixtures which are disposed of by means of any activity referred to in paragraphs 1. to 10. of this Schedule.
4.10	The treatment of any waste on land with a consequential benefit for an agricultural activity or ecological system.
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.
4.9	Use of any waste principally as a fuel or other means to generate energy.

Address 1	Ballymurtagh, Ballygahan Upper, Ballygahan Lower
Address 2	Tinnahinch
Address 3	Co. Wicklow
Address 4	
	Wicklow
Country	Ireland
Coordinates of Location	-6.22452 52.8711
River Basin District	IEEA
NACE Code	3832
Main Economic Activity	Recovery of sorted materials
AER Returns Contact Name	Robert Kelly
AER Returns Contact Email Address	rkelly@wicklowcoco.ie
AER Returns Contact Position	Landfill Manager
AER Returns Contact Telephone Number	0596481717
AER Returns Contact Mobile Phone Number	0868517617
AER Returns Contact Fax Number	040467792
Production Volume	0.0
Production Volume Units	0
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	0
User Feedback/Comments	0
Web Address	0

2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
50.1	General
5(c)	Installations for the disposal of non-hazardous waste
5(d)	Landfills
50.1	General

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

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

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

RELEASES TO AIR					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
01	Methane (CH4)	C	OTH	Gas Sim 2 & SITE DATA	4758.102	243277.863959184	0.0	238519.761959184
03	Carbon dioxide (CO2)	C	OTH	Gas Sim 2 & SITE DATA	19575.287	1062942.29432	0.0	1043367.00732

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

SECTION B : REMAINING PRTR POLLUTANTS

RELEASES TO AIR					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
15	Chlorofluorocarbons (CFCs)	C	OTH	Gas Sim 2 - PI Report	0.0	0.55	0.0	0.55
14	**Hydrochlorofluorocarbons (HCFCs)**	C	OTH	Gas Sim 2 - PI Report	0.0	0.523	0.0	0.523

* 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 AIR					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
					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

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:

Landfill: Ballymurtagh Landfill Facility

Please enter summary data on the quantities of methane flared and / or utilised			Method Used			
	T (Total) kg/Year	**M/C/E**	**Method Code**	**Designation or Description**	**Facility Total Capacity m3 per hour**	
Total estimated methane generation (as per site model)	476424.864	C	SSC	Gas Sim 2 - Statistics	N/A	
Methane flared	233147.0	M	OTH	Site data	500.0	(Total Flaring Capacity)
Methane utilised in engine/s	0.0				0.0	(Total Utilising Capacity)
Net methane emission (as reported in Section A above)	243277.864	C	OTH	Gas Sim 2 Statistics - Site da	N/A	

4.2 RELEASES TO WATERS

Link to previous years emissions data

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 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	0.0

* 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	0.0

* 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					
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
240	**Suspended Solids**	C	OTH	Flowrate * Conc.	3109.0	3109.0	0.0	0.0

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

4.3 RELEASES TO WASTEWATER OR SEWER

Link to previous years emissions data

SECTION A : PRTR POLLUTANTS

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT 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)

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR 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
					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

4.4 RELEASES TO LAND

Link to previous years emissions data

SECTION A : PRTR POLLUTANTS

RELEASES TO LAND					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
					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)

RELEASES TO LAND					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
					0.0	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 : Name and Licence/Permit No of Next Destination Facility Non 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 i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
						M/C/E	Method Used					
Within the Country	20 03 01	No	12.0	mixed municipal waste	D1	M	Weighed	Offsite in Ireland	Wicklow Co.Co.,W0066-03	Rampere Landfill,0,Baltinglass,Co.Wicklow,Ireland		
Within the Country	15 01 01	No	87.0	paper and cardboard packaging	R3	M	Weighed	Offsite in Ireland	Greenstar/ Bailey Waste,WPT94	Ballycoolin Ind. Est,0,Blanchardstown,Dublin 15,Ireland		
Within the Country	20 01 01	No	144.0	paper and cardboard	R3	M	Weighed	Offsite in Ireland	Greenstar/ Bailey Waste,WPT94	Ballycoolin Ind. Est,0,Blanchardstown,Dublin 15,Ireland		
Within the Country	15 01 07	No	83.0	glass packaging	R5	M	Weighed	Offsite in Ireland	Glassco Ltd.,WP247/2006	.,.,Naas,Co. Kildare,Ireland		
Within the Country	15 01 04	No	18.0	metallic packaging	R4	M	Weighed	Offsite in Ireland	Glassco Ltd.,WP247/2006	.,.,Naas,Co. Kildare,Ireland		
Within the Country	20 01 40	No	37.0	metals	R4	M	Weighed	Offsite in Ireland	Leon Recycling,WP/ESS/15/8/12	Croghan Industrial Estate,.,Arklow,Co.Wicklow,Ireland		
Within the Country	15 01 02	No	49.0	plastic packaging	R13	C	Volume Calculation	Offsite in Ireland	Wicklow Co. Co.,Cert of Reg. 1497	Arklow Recycling Centre,Croghan Industrial Estate,Arklow ,Co.Wicklow,Ireland		
Within the Country	15 01 05	No	6.0	composite packaging	R13	C	Volume Calculation	Offsite in Ireland	Wicklow Co. Co.,Cert of Reg. 1497	Arklow Recycling Centre,Croghan Industrial Estate,Arklow ,Co.Wicklow,Ireland		
Within the Country	20 01 11	No	11.0	textiles	R3	M	Weighed	Offsite in Ireland	National Council for the Blind of Ireland,WP214/2005	.,.,Dublin,.,Ireland		
Within the Country	16 06 01	Yes	2.33	lead batteries	R4	M	Weighed	Offsite in Ireland	Recycling Village,WP 2007/20	.,.,Monisterboice,Co.Louth,Ireland	Recycling Village,WP 2007/20,.,.,Monisterboice,Co.Louth,Ireland	.,.,Monisterboice,Co.Louth,Ireland
Within the Country	16 06 04	No	1.453	alkaline batteries (except 16 06 03)	R4	M	Weighed	Offsite in Ireland	Recycling Village,WP 2007/20	.,.,Monisterboice,Co.Louth,Ireland		
Within the Country	13 02 05	Yes	2.9	mineral-based non-chlorinated engine, gear and lubricating oils	R9	M	Weighed	Offsite in Ireland	ENVA,W184-01	Clonmannon Industrial Estate,.,Portlaoise,Co. Laois,Ireland	Enva,W184-01,Clonmanon Industrial Est.,.,Portlaoise,Co.Laois,Ireland	Clonmanon Industrial Est.,.,Portlaoise,Co.Laois,Ireland
To Other Countries	20 01 25	No	0.3	edible oil and fat	R1	M	Volume Calculation	Abroad	Frylite,.	.,.,.,Belfast,United Kingdom		

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

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