SELECT	cells that are highlighted blue cont			
guidance document link	cells that contain underlined text c			
Table heading *	table headings followed by a symb			
Cells with red indicator in top right corner	cells that have a red indicator in th			

Please note an interpretation of results is still required. This should be en appropriately to fit your interpretation, if additional space is required plea template should have all cells sized appropri

tain a dropdown menu click to select one option from the list

click to access relevant guidance documents for this section

ol have an associated footnote or instructions

ne top right corner contain a comment box with further instructions or clarification

ntered in the additional information/comments boxes within the templates. Please size these boxes is include an appendix to the AER template and merge it as part of the AER PDF document. The excel ately so that all text is readable before it is converted to PDF document.

Facility Information Sur	mmary	
AER Reporting Year	2017	
Licence Register Number	W0078-03	
Name of site	BALLAGHVENY LANDFILL	
Site Location	BALLYMACKEY, NENAGH, CO.TIPPERARY	
NACE Code	38.2.1	
	Waste Disposal Activities: Class 1, 2, 4, 5, 11, 12, 13.	
Class/Classes of Activity	Waste Recovery Activities: Class 2, 3, 4, 10, 11, 13	
National Grid Reference (6E, 6 N)	080251E 525319N	
	Closed landfill for non-hazardous waste.	
	Any exceedance of licence limits are detailed in this report.	
A description of the activities/processes at		
the site for the reporting year. This should		
nclude information such as production		
ncreases or decreases on site, any		
nfrastructural changes, environmental		
performance which was measured during		
the reporting year and an overview of		
compliance with your licence listing all		
compliance with your licence <u>listing</u> all exceedances of licence limits (where		

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.

Justine Haugh

Signature

Environmental Technician

(or nominated, suitably qualified and experienced deputy)

	AIR-summary template	Lic No:	W0078-03	Year	2017
	Answer all questions and complete all tables where relevant				
			Α	Additional information	
	Does your site have licensed air emissions? If yes please complete table A1 and A2 below for the current				
1	reporting year and answer further questions. If you do not have licenced emissions and do not complete a				
	solvent management plan (table A4 and A5) you <u>do not</u> need to complete the tables				
		Yes		Flare Stack Emission	
	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				
	TableA1 below	No			
	<u>Basic air</u>				
3	Was all monitoring carried out in accordance with EPA guidance monitoring				
	note AG2 and using the basic air monitoring checklist? <u>checklist</u> <u>AGN2</u>	Yes			

Table A1: Licensed Mass Emissions/Ambient data-periodic monitoring (non-continuous)

Emission reference no:	Parameter/ Substance	Frequency of	ELV in licence or any revision therof	Licence Compliance criteria			Compliant with licence limit	Method of analysis	Annual mass	Comments - reason for change in % mass load from previous year if applicable
Flare 1	Nitrogen oxides (NOx/NO2)	annual	150	No 30min mean can exceed the ELV	60.65	mg/Nm3	yes	EN 14792:2005	75.82	
Flare 1	Carbon monoxide (CO)	annual		No 30min mean can exceed the 50 ELV		mg/Nm3	yes	EN 15058:2004	5.84	
Flare 1	volumetric flow SELECT	continuous	500	No 30min mean can exceed the ELV SELECT				OTH SELECT	N/A	

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

	AIR-summary	template				Lic No:	W0078-03		Year	2017	
		Continuous N	Nonitoring								
4	Does your site car	y out continuous air emiss	sions monitoring?			No					
	If yes please review	•	ring data and report the elevant Emission Limi	•	elow in Table A2 and compare i	t	_			1	
5	Did continuous mo	nitoring equipment experi	ence downtime? If ye	s please record dow	vntime in table A2 below	SELECT					
6	Do you have a proa	active service agreement fo	or each piece of contir	nuous monitoring ed	quipment?	SELECT					
7		ite experience any abatem			them in table A3 below	SELECT					
Table A2: Summary of average emissions -continuous monitoring											
	Emission reference no:	Parameter/ Substance	ELV in licence or any		Compliance Criteria	Units of measurement	Annual Emission	Annual maximum	Equipment downtime (hours)	Number of ELV exceedences in current reporting year	Comments
			revision therof								

SELECT

SELECT

SELECT

SELECT

SELECT

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

SELECT

SELECT

SELECT

SELECT

SELECT

Table A3: Abatement system bypass reporting table

B۱	pass	nro	toca

SELECT

Date*	Duration** (hours)	Location	Reason for bypass	Impact magnitude	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

-	AIR-summary t	template				Lic No:	W0078-03		Year	2017
	Solvent	use and manageme	nt on site							
[o you have a total	l Emission Limit Value of di								
F	able A4: Solve	ent Management Pla	n Summary	Solvent	Please refer to linked solver	nt regulations to	1	No		
		ssion limit value	,	<u>regulations</u>	complete table 5	and 6				
ŀ	Reporting year	Total solvent input on	Total VOC emissions			Compliance	1			
		site (kg)	to Air from entire site (direct and	emissions as %of solvent input	Total Emission Limit Value					
			fugitive)		(ELV) in licence or any revision					
-					therof					
-						SELECT				
F	Table A5:	Solvent Mass Baland	e summary			SELECT				
L	Table As.	Joivent Wass Balanc	ac summary							
		(I) Inputs (kg)			(0)	Outputs (kg)				
ŀ	Solvent	(I) Inputs (kg)			Collected waste solvent (kg)	Fugitive Organic			Total emission of	
L		(i) iliputs (kg)	emission in waste	water (kg)		Solvent (kg)	other ways e.g. by-	onsite through	Solvent to air (kg)	
L										
Ļ										
L										
								Total		

	AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)		Lic No:	W0078-03	Year
				Additional information	
1	Does your site have licensed emissions direct to surface water or direct to sewer? If yes please complete table W2 and W3 below for the current reporting year and answer further questions. If you do not have licenced emissions you only need to complete table W1 and or W2 for storm water analysis and visual inspections			emissions for discharge of storm water to surface water. are given in Table W1.	
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 W2 below summarising only any evidence of contamination noted during visual inspections	Yes			

Table W1 Storm water 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	onsite	SELECT	Ammonia (as N)	monthly	0.3	All results < 1.2 x	0.28	mg/L	yes	Average value of monthly monitoring.
SW1	onsite		рН	monthly	N/A	All results < 1.2 x	8.15	pH units	yes	Average value of monthly monitoring.
SW1	onsite		Conductivity	monthly	N/A	All results < 1.2 x ELV	333	μS/cm @20oC	yes	Average value of monthly monitoring.
SW3	onsite		Ammonia (as N)	monthly	0.3	All results < 1.2 x ELV	0.24	mg/L	yes	Average value of monthly monitoring.
SW3	onsite		рН	monthly	N/A	All results < 1.2 x ELV	7.94	pH units	yes	Average value of monthly monitoring.
SW3	onsite		Conductivity	monthly	N/A	All results < 1.2 x ELV	291	μS/cm @20oC	yes	Average value of monthly monitoring.
SW4	onsite		Ammonia (as N)	monthly	0.3	All results < 1.2 x ELV	0.15	mg/L	yes	Average value of monthly monitoring.
SW4	onsite		pH	monthly	N/A	All results < 1.2 x ELV	7.98	pH units	yes	Average value of monthly monitoring.
SW4	onsite	SELECT	Conductivity	monthly	N/A	All results < 1.2 x	342	uS/cm @20oC	ves	Average value of monthly monitoring.

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

Table W2 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	3 Was there any result in breach of licence requirements? If yes please provide brief details in the comment section of Table W3 below				Additional information
	Was all monitoring carried out in accordance with EPA				
	was all monitoring carried out in accordance with EPA				
	guidance and checklists for Quality of Aqueous Monitoring	External /Internal			
	Data Reported to the EPA? If no please detail what areas	Lab Quality	Assessment of		
4	require improvement in additional information box	checklist	results checklist	SELECT	

Table W3: Licensed Emissions to water and /or wastewater (sewer)-periodic monitoring (non-continuous)

Emission reference no:	Emission released to	Parameter/ SubstanceNote 1	Type of sample	Frequency of monitoring		ELV or trigger values in licence or any	Licence Compliance criteria	Measured value		Compliant with licence		Procedural	Procedural reference standard number	Annual mass load (kg)	Comments
reference no.	SELECT	SELECT	SELECT		SELECT	TO VISION CHOICE	SELECT		SELECT	SELECT	SELECT	SELECT	Standard Hamber	(5)	Commence

2017

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER) Lic No: W0078-03

Year

2017

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

	AER Monitor	ring returns su	ummary template	e-WATER/WASTEW	ATER(SEWER		Lic No:	W0078-03		Year	2017	
	Continuous r	monitoring				1		Additional Information		_		
	Does your site ca	arry out continuo	us emissions to water/	sewer monitoring?		No						
		mmarise your con sion Limit Value (ata below in Table W4 a	nd compare it to							
6	Did continuous n	monitoring equipn	nent experience down	time? If yes please recor	d downtime in	SELECT						
7	Do you have a pr site?	roactive service co	ontract for each piece of	of continuous monitoring	equipment on	SELECT						
8	Did abatement s below	ystem bypass occ	ur during the reporting	g year? If yes please com	plete table W5	SELECT						
	Table W4: Su	ımmary of av	erage emissions -	-continuous monito	oring							
	Emission	Emission		ELV or trigger values in licence or any revision	Averaging	Compliance	Units of	Annual Emission for current	% change +/- from previous reporting year	Monitoring Equipment	Number of ELV exceedences in	

downtime (hours) reporting year

Comments

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

Parameter/ Substance

SELECT

SELECT

thereof

released to

SELECT

SELECT

reference no:

Table W5: Abatement system bypass reporting table

Date	Duration (hours)		action*		When was this report submitted?
				SELECT	

Period

SELECT

SELECT

Criteria

SELECT

SELECT

measurement

SELECT

SELECT

reporting year (kg)

^{*}Measures taken or proposed to reduce or limit bypass frequency

Bund/Pipeline tes	sting template				Lic No:	W0078-03		Year	201					
Bund testing		dropdown menu cli	ck to see options				Additional information							
	LI Dur licence to undertake	integrity testing on bunds and cor		lease fill out table R1 belo	w listing all new hunds		Additional information	7						
		n to all bunds which failed the inte												
		nds outside the licenced testing pe				Yes								
2 Please provide integrit	ty testing frequency perio	nd				3 years								
		derground pipelines (including sto	rmwater and foul). Tanks, sur	nns and containers? (conta	iners refers to	- 7.55.5		1						
3 "Chemstore" type unit		8	,,			Yes								
4 How many bunds are o	on site?					5 Lagoons								
		ithin the required test schedule?					5							
6 How many mobile bun						None								
7 Are the mobile bunds i		t scneaule? ested within the required test sche	Caluba			No	0	+						
9 How many sumps on si			:uule:				0	+						
		within the test schedule?					0	†						
	ntegrity failures in table							-						
11 Do all sumps and cham						SELECT		1						
		ed in a maintenance and testing pr	ogramme?			SELECT		4						
13 is the Fire Water Reter	ntion Pond included in ye	our integrity test programme?				SELECT	1	4						
Tab	le B1: Summary details o	of bund /containment structure int	tegrity test	<u> </u>										
														Results of
									Integrity reports					retest(if i
Bund/Containment									maintained on		Integrity test failure		Scheduled date	
structure ID	Туре	Specify Other type	Product containment	Actual capacity	Capacity required*	Type of integrity test	Other test type	Test date	site?	Results of test	explanation <50 words	Corrective action taken	for retest	reporting
	SELECT					SELECT			SELECT	SELECT		SELECT		
* Canacity required should comp	SELECT ply with 25% or 110% containment	rule as detailed in your license				SELECT	Commentary		SELECT	SELECT		SELECT		
		fance with licence requirements a	nd are all structures tested				Commencary	T						
15 in line with BS8007/EP				bunding and storage guideli	nes	SELECT		1						
16 Are channels/transfer						SELECT		1						
17 Are channels/transfer	systems compliant in bo	oth integrity and available volume?	?			SELECT		_1						
Pipeline/undergro	ound structure testing	7												
		-												
		integrity testing* on underground												
1 all underground struct 2 Please provide integrit		e which failed the integrity test a	na ali which have not been te	stea within the integrity to	est period as specified	SELECT SELECT		+						
		ou htness testing of all underground p	pipelines (as required under v	our licence)		JELEC!	1	_1						
				,										
Table	B2: Summary details of	pipeline/underground structures i	ntegrity test									T		
				Type of secondary										
				containment				Integrity test						
			Does this structure have			Integrity reports			Corrective action					
Structure ID	Type system	Material of construction:	Secondary containment?		Type integrity testing	maintained on site?	Results of test	<50 words	taken	for retest	reporting year)	1		
	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT				SELECT	+		
									+			+		
									+			†		
	1								1	1		1		
							_							
		Please use comm	entary for additional details	not answered by tables/ qu	estions above		_							

Groundwater/Soil monitoring template	Lic No:	W0078-03	Year	2017	
--------------------------------------	---------	----------	------	------	--

Comments

		Comments	
Are you required to carry out groundwater monitoring as part of your licence requirements?	yes		Please provide an interpretation of groundwater monitoring data in the
2 Are you required to carry out soil monitoring as part of your licence requirements?	no		interpretation box below or if you require additional space please
Do you extract groundwater for use on site? If yes please specify use in comment 3 section	no		include a groundwater/contaminated land monitoring results interpretaion as an additional section in this AER
Do monitoring results show that groundwater generic assessment criteria such as GTVs or IGVs are exceeded or is there an upward 4 trend in results for a substance? If yes, please complete the Groundwater Monitoring Guideline Template Report (link in cell G8) and submit separately through ALDER as a licensee return monitoring AND answer questions 5-12 below.	yes		
5 Is the contamination related to operations at the facility (either current and/or historic)	yes		
Have actions been taken to address contamination issues?If yes please summarise remediation strategies proposed/undertaken for the site	yes	Work is ongoing to find a solution to managing the contamination issues.	
7 Please specify the proposed time frame for the remediation strategy	N/A	A timeframe is not yet finalised.	
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?	yes		
11 Have potential receptors been identified on and off site?	yes		
12 Is there evidence that contamination is migrating offsite?	yes		Please enter interpretation of data here

Table 1: Upgradient Groundwater monitoring results

Date of sampling	Sample location reference	Parameter/ Substance		Monitoring frequency	Maximum Concentration++	Average Concentration+	unit	GTV's*		Upward trend in pollutant concentration over last 5 years of monitoring data
27/01/2017	GW13	Ammonia	EPA Lab	Quarterly	0.078	0.078	mg/l	0.3	trigger	no
27/01/2017	GW13	Conductivity	EPA Lab	Quarterly	870	870	μS/cm @25oC	1000	trigger	no
Various	GW14	Ammonia	EPA Lab	Quarterly	0.017	0.013	mg/l	0.3	trigger	no
Various	GW14	Conductivity	EPA Lab	Quarterly	819	780	μS/cm @25oC	1000	trigger	no

^{.+} where average indicates arithmetic mean

Table 2: Downgradient Groundwater monitoring results

										Upward trend in
										yearly average
										pollutant
	Sample									concentration
Date of	location	Parameter/		Monitoring	Maximum	Average				over last 5 years
sampling	reference	Substance	Methodology	frequency	Concentration	Concentration	unit	GTV's*	SELECT**	of monitoring data

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

Groundy	vater/Soil mo	nitoring templ	ate		Lic No:	W0078-03		Year	201	7	
Various Various	GW9	Ammonia Conductivity	BHP Lab	Monthly Monthly		14 1610	11.18 mg/l 1172 μS/cm @250C		trigger trigger	no no	
*please note exceedance of generic assessment criteria (GAC) such as a Groundwater Threshold Value (GTV) or an Interim Guideline Value (IGV) or an upward trend in results for a substance indicates that further interpretation of monitoring results is required. In addition to completing the above table, please complete the Groundwater Monitoring Guideline Template Report at the link provided and submit separately through ALDER as a licensee return or as otherwise instructed by the EPA.											
More information on the use of soil and groundwater standards/ generic assessment criteria (GAC) and risk assessment tools is available in the EPA published guidance (see the link in Guidance on the Management of Contaminated Land and Groundwater at EPA Licensed Sites (EPA 2013).											
	•		pare to Surface		uality Standards (S'	WEQS), If the site i	rds should be used in addition to the s close to a drinking water supply	Surface water EQS	Groundwater regulations GTV's	Drinking water (private supply) standards	<u>Drinking water (pub</u> supply) standards

Groundwater/Soil monitoring template	Lic No:	W0078-03	Year	2017	
Table 3: Soil results					

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

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

Interim Guideline Values (IGV) **Environmental Liabilities template** 2017 Lic No: W0078-03 Year

Click here to access EPA guidance on Environmental Liabilities and Financial provision

			Commentary
1	ELRA initial agreement status		
		Submitted and not agreed by EPA;	
2	FLRA review status	Review required and completed	
2	LLNA TEVIEW Status	Review required and completed	
3	Amount of Financial Provision cover required as determined by the latest ELRA	€2,396,550	
	•		
4	Financial Provision for ELRA status	Submitted and not agreed by EPA;	Insurance cover in place.
5	Financial Provision for ELRA - amount of cover	€20million	
			Pollution / Contamination Insurance Cover for
			pollution / contamination which arises from
6	Financial Provision for ELRA - type	Other please specify	sudden, identifiable, unintended and unexpected
0	rinaliciai Provision for ELKA - type	Other please specify	occurrence up to €20million.
7	Financial provision for ELRA expiry date	N/A	
8	Closure plan initial agreement status	Closure plan submitted and not agreed by EPA	
9	Closure plan review status	Review required and completed	
			The rest of the costs which amount to €13,846,671
			spread over the years 2016 to 2046 will be funded
40	Financial Provision for Closure status	6 1 - 20 - 1 1 - 504	through the annual landfill aftercare budget of Tipperary County Council.
10 11	Financial Provision for Closure status Financial Provision for Closure - amount of cover	Submitted and agreed by EPA €13,846,671	ripperary country council.
11	i mancial i rovision for Glosure - amount of cover	£13,040,071	The site is closed. Any further restoration or
			remediation work required will be covered through
12	Financial Provision for Closure - type	Other please specify	the TCC budget or by a loan.
13	Financial provision for Closure expiry date	N/A	

	Environmental Management Programme/Continuous Improvement Prog	ramme template	Lic No:	W0078-03	Year
	Highlighted cells contain dropdown menu click to view		Additional Information		_
1	Do you maintain an Environmental Mangement System (EMS) for the site. If yes, please detail in additional information	Yes			
	Does the EMS reference the most significant environmental aspects and associated impacts				
2	on-site	Yes			
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 Program	me (EMP) report				
Objective Category	Target	Status (% complete	How target was progressed	Responsibility	Intermediate outcomes
				Louise Ryan	
	Energy Audit for Site to Be			Anne Peters	Improved Environmental
Energy Efficiency/Utility conservation	carried out	0	Review heating arrangements for office	Justine Haugh	Management Practices
			Pumping and other electrical equipment onsite to be installed in		
			secure concrete sheds with lights and alarm instead of metal		
			containers. Final switch over to be completed and metal containers		
			removed from site.		
			Additional CCTV cameras to be installed at the site near pump		
			houses and back gate, prior to site re-opening.		
			A 24hr on call security company to be assigned to the site. Currently		
			only have cover 7pm to 7am.		
			Boundary fences to be maintained in good condition. Repairs to be	Louise Ryan	
			carried out where necessary. New fence to be erected along land to	Anne Peters	Increased compliance with
Additional improvements	Improve site security		be sold.	Justine Haugh	licence conditions
			Environment Section of Tipperary Co Co obtained these standards		
			for a combined EHS System in 2015.	Dave Corbett	
	Maintain accreditation for		,	Louise Ryan	
	combined EHS system		In 2018 review site procedures, aspects and risk assessments.	Anne Peters	Improved Environmental
Additional improvements	(OHSAS18001 & ISO14001).		Refresher training to be carried out with staff.	Justine Haugh	Management Practices
			A pumping trial will resume in early 2018. This could take 5 months		
			to complete. Significant resources required for this work.		
			Buy a HACH spectrophotometer and NH3 testing kit. Proper lab		
	Establish a management		facilities to be installed.		
	system for limiting			Louise Ryan	
	groundwater		Start Waste Licence review process to amend conditions to allow for	Anne Peters	Remediation of
Groundwater protection	contamination.		new groundwater management regime	Justine Haugh	contamination on site
orounanater proteotion			Improved concrete loading area, will contain any spillage that may	Justine Haugh	contamination on site
			occur. Make room for the trucks to turn.	Louise Ryan	
	Upgrade leachate loading			Anne Peters	Improved Environmental
Groundwater protection	area	40	Review the option of installing a second leachate lagoon.	Justine Haugh	Management Practices
		1	Carry out any works required to bring the site up to standard so that		
			it can be re-opened	Louise Ryan	
	Re-open the site to fill the			Anne Peters	Improved Environmental
Additional improvements	built void space	10	Re-open landfill and accept Rathcabbin waste	Justine Haugh	Management Practices

Environmental Management Programme/Continuous Improvement Progra			ramme template	Lic No:	W0078-03	Year
			Upgrade all SCADA to cloud system	Louise Ryan		
				Anne Peters	Improved Environmental	
Additional improvements	Upgrade the site SCADA	50	Remove non-useful wells from scada	Justine Haugh	Management Practices	
				Louise Ryan		
	Improve site office		Provide for new PCs and office space for three people	Anne Peters		
Additional improvements	facilities	50		Justine Haugh	Improved staff facilities	
			Work towards TCC carrying out LFG Balancing			
			Follow up on IBS comments and IBS reports to be reviewed in a	Louise Ryan	Improved Environmental	
Landfill Gas Balancing	Improve gas management	50	timely manner	Justine Haugh	Management Practices	
			Put all cables and pipes underground to prevent them from	Louise Ryan		
	Make safe all cables and		becoming damaged and to reduce the amount of herbicide use on	Anne Peters	Improved Environmental	
Additional improvements	pipes on the site	0	the site	Justine Haugh	Management Practices	

	N	oise monitor	ing summary	report			Lic No:	W0078-03	Year	2017	
If yes please f	Was noise monitoring a licence requirement for the AER period? If yes please fill in table N1 noise summary below Was noise monitoring carried out using the EPA Guidance note, including completion of the						Noise Guidance	No No			
"Checklist for noise measurement report" included in the guidance note as table 6? Does your site have a noise reduction plan When was the noise reduction plan last updated?				note NG4	No Enter date						
		elevant to site no			perational c	hanges) sin	ce the last	No			
Table N1: No	ise 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 <u>site</u> compliant with noise limits (day/evening/night)?
								SELECT	SELECT		SELECT
*Please ensure tha	it a tonal analysis has	been carried out as pe	r guidance note NG4.	These records mus	st be maintained	l onsite for futu	re inspection				
	If nois	e limits exceede	d as a result of n	oise attribut	ed to site a	ctivities, ple	ase choose t	ne corrective action fro	om the following options?	SELECT	

** please explain the reason for not taking action/resolution of noise issues?

Any additional comments? (less than 200 words)

Resource l	Usage/Energy	y efficiency summary	Lic No:	W0078-03	Year	2017
------------	--------------	----------------------	---------	----------	------	------

1 When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below

Is the site a member of any accredited programmes for reducing energy usage/water conservation

SEAI - Large Industry Energy Network (LIEN)

2 such as the SEAI programme linked to the right? If yes please list them in additional information Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage 3

in additional information

	Additional information
2009	
No	
SELECT	

Table R1 Energy usag	e on site			
Energy Use	Previous year	Current year	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total Energy Used (MWHrs)	66.863	80.332		
Total Energy Generated (MWHrs)	0			
Total Renewable Energy Generated (0			
Electricity Consumption (MWHrs)	66.863	80.332		
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)	0			
Light Fuel Oil (m3)	0			
Natural gas (m3)	0			
Coal/Solid fuel (metric tonnes)	0			
Peat (metric tonnes)	0			
Renewable Biomass	0			
Renewable energy generated on site	0			

^{*} 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 R2 Water usag				Water Emissions	Water Consumption		
						Volume used i.e not	
			Production +/- %	Energy		discharged to	
			compared to	Consumption +/- %	Volume Discharged	environment e.g.	
	Water extracted	Water extracted	previous	vs overall site	back to	released as steam	
Water use	Previous year m3/yr.	Current year m3/yr.	reporting year**	production*	environment(m³yr):	m3/yr	Unaccounted for Water:
Groundwater	0	0					
Surface water	0	0					
Public supply							
Recycled water	0	0					
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 R3 Waste Stream					
	Total	Landfill	Incineration	Recycled	Other
Hazardous (Tonnes)					
Non-Hazardous (Tonnes)					

Resource	e Usage/Energy efficiency sur	nmary			Lic No:	W0078-03		Year	2017
	Table R4: Energy Audit finding recommendations								
·	Date of audit		Description of Measures proposed	Origin of measures	Predicted energy savings %	Implementation date	Responsibility		Status and comments
				SELECT					
				SELECT					
				SELECT					

Table R5: Power Generation: Where power is generated onsite (e.g. power genera	ation facilities/food and drink industry)please complete the following information

	Unit ID	Unit ID	Unit ID	Unit ID	Station Total
Technology					
Primary Fuel					
Thermal Efficiency					
Unit Date of Commission					
Total Starts for year					
Total Running Time					
Total Electricity Generated (GWH)					
House Load (GWH)					
KWH per Litre of Process Water					
KWH per Litre of Total Water used or	Site				

Complaints and Incidents summary template		Lic No:	W0078-03	١	Year	2017	
Complaints							
		Additional inform	ation				
Have you received any environmental complaints in the current reporting year? If yes please complete	No						

Table	1 Complaints summary						
			Brief description of complaint (Free txt <20	Corrective action< 20			Further
Date	Category	Other type (please specify)		words	Resolution status	Resolution date	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							

	Incider	nts		
				Additional information
Have any incidents occurred on site in the current reporting year	t reporting year? Please li in Table 2 below	st all incidents for current	Yes	
*For information on how to report and what constitutes an incident	What is an incident			

Table 2 Incidents sur	mmary		Ī											
			Incident category*please refer to				Activity in progress at			Corrective action<20	Preventative action <20		Resolution	Likelihood of
Date of occurrence	Incident nature	Location of occurrence	guidance	Receptor	Cause of incident	Other cause(please specify)	time of incident	Communication	Occurrence	words	words	Resolution status	date	reoccurence
13/12/2017	Abatement equipment off-line	Flare	1. Minor	Air	Plant or equipmen	nt issues	Normal activities	EPA	New	Restarted flare	N/A	Complete	18/12/2017	Low
21/11/2017	Trigger level reached	SWL3	1. Minor	Water	Other (add details	Decaying organic matter	Normal activities	EPA	Recurring	Inspected lagoon	N/A	Complete	29/11/2017	Low
29/09/2017	Trigger level reached	LS06	1. Minor	Ground	Other (add details	Inadequate Infrastructure	Normal activities	EPA	Recurring	Pumped down leachate	N/A	Ongoing		High
	Trigger level reached	LFG22, LFG28, Cell07	1. Minor	Air	Other (add details	Inadequate Infrastructure	Normal activities	EPA	New	Repairs to gas wells	N/A	Complete	31/10/2017	Low
24/08/2017	Trigger level reached	LS03	1. Minor	Ground	Other (add details	Inadequate Infrastructure	Normal activities	EPA	Recurring	Pumped down leachate	N/A	Complete	30/08/2017	Medium
13/06/2017	Breach of ELV	SWLs	1. Minor	Water	Other (add details	Stagnant Water	Normal activities	EPA	Recurring	Pumps installed in lagoons	N/A	Complete	30/11/2017	Low
12/04/2017	Breach of ELV	SWL1	1. Minor	Water	Other (add details	Decaying organic matter	Normal activities	EPA	New	Inspected lagoon	N/A	Complete	17/05/2017	Low
12/01/2017	Trigger level reached	GW5, GW10, BH3	1. Minor	Ground	Other (add details	Groundwater issues	Normal activities	EPA	Recurring	Groundwater Investigations	N/A	Ongoing		High
31/01/2017	Trigger level reached	LS01	1. Minor	Ground	Plant or equipmer	nt issues	Normal activities	EPA	New	Pumped down leachate	N/A	Complete	08/02/2017	Low
13/10/2016	Trigger level reached	SWL4	1. Minor	Water	Other (add details	Site improvement works	Non Routine main	EPA	New	Lagoon emptied	N/A	Complete	01/07/2017	Low
19/04/2016	Trigger level reached	GW16, GW17	1. Minor	Ground	Other (add details	Groundwater issues	Normal activities	EPA	Recurring	Groundwater Investigations	N/A	Ongoing		High
19/04/2016	Trigger level reached	GW18	1. Minor	Ground	Other (add details	Groundwater issues	Normal activities	EPA	Recurring	Groundwater Investigations	N/A	Ongoing		High
19/04/2016	Trigger level reached	GW9, GW10, GW19, GW20, BH3	1. Minor	Ground	Other (add details	Groundwater issues	Normal activities	EPA	Recurring	Groundwater Investigations	N/A	Ongoing		High

Complaints and	Incidents summary templa	te
02/04/2047		4600
	Trigger level reached	LS03
Total number of		
incidents current		
year	14	
Total number of		
incidents previous		
year	24	
% reduction/		
increase	41.66% Reduction	

Lic No:

Operational controls

1. Minor

Ground

W0078-03

Year

Normal activities EPA

2017

Pumped down leachate

N/A

Complete

05/01/2017 Low

	•				Lic No:	W0078-03		Year	2017		
CTION A-PRTR C	N SITE WASTE TREATMENT AND	WASTE TRANSFERS TAB	TO BE COMPLETED	BY ALL IPPC AND W	ASTE FACILITIES	PRTR facility logon		dropdown li	st click to see options		
CTION R. WAST	E ACCEPTED ONTO SITE-TO BE CO	OMDIETED BY ALL IDDC A	ID WASTE EACH ITIES	<u> </u>		1					
CHOILD WAST	ACCEPTED ONTO SITE TO DE CO	JULI LETED DI ALL'III CA	TO WASTE FACILITIES				Additional Informatio	n			
ere any wastes accept		or treatment prior to recovery or	disposal within the bounda	aries of your facility ?; (wa	aste generated within your boundaries is to	No	Site is closed				
es please enter detail	s in table 1 below										
d vour site have any re	ejected consignments of waste in the curre	nt reporting year? If yes please g	ve a hrief explanation in th	ne additional information		No					
a your site nave any re	getted consignments of waste in the curren	ne reporting year. If yes picase g	ve a brief explanation in th	ic additional information							
Wa	s waste accepted onto your site that was g	generated outside the Republic o	Ireland? If yes please state	e the quantity in tonnes in	n additional information	No					
					vastes generated at your site, a				•		
Licenced annual onnage limit for your site (total tonnes/annum)	EWC code	Source of waste accepted	Description of waste accepted Please enter an accurate and detailed description - which applies to relevant EWC	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
	European Waste Catalogue EWC codes		code European Waste Catalogue EWC codes								
ECTION C.TO BE	COMPLETED BY ALL WASTE FACIL	ITIES (waste transfer sta	ions Composters N	laterial recovery fa	cilities etc) FYCEPT LANDELLI SITES						
ECTION C-TO BE (COMPLETED BY ALL WASTE FACIL	LITIES (waste transfer sta	ions, Composters, N	laterial recovery fa	cilities etc) EXCEPT LANDFILL SITES						
ECTION C-TO BE C	COMPLETED BY ALL WASTE FACIL	LITIES (waste transfer sta	ions, Composters, N	laterial recovery fa	cilities etc) EXCEPT LANDFILL SITES					[
	COMPLETED BY ALL WASTE FACIL			-		SELECT					
all waste processing in	frastructure as required by your licence an	d approved by the Agency in pla	ce? If no please list waste p	rocessing infrastructure r	equired onsite	SELECT				,	
all waste processing in		d approved by the Agency in pla	ce? If no please list waste p	rocessing infrastructure r	equired onsite					[
all waste processing in all waste storage infra pes your facility have n	frastructure as required by your licence an structure as required by your licence and a elevant nuisance controls in place?	id approved by the Agency in pla pproved by the Agency in place?	ce? If no please list waste p	rocessing infrastructure r	equired onsite	SELECT SELECT					
all waste processing in all waste storage infra pes your facility have n you have an odour m	frastructure as required by your licence an structure as required by your licence and a elevant nuisance controls in place? anagement system in place for your facilit	id approved by the Agency in pla pproved by the Agency in place?	ce? If no please list waste p	rocessing infrastructure r	equired onsite	SELECT SELECT SELECT SELECT					
all waste processing in all waste storage infra pes your facility have r o you have an odour m o you maintain a sludg	frastructure as required by your licence an structure as required by your licence and a elevant nuisance controls in place? nanagement system in place for your facility e register on site?	nd approved by the Agency in pla pproved by the Agency in place? y? If no why?	ce? If no please list waste p	rocessing infrastructure r	equired onsite	SELECT SELECT					
all waste processing in all waste storage infra pes your facility have n pyou have an odour m pyou maintain a sludg	frastructure as required by your licence an structure as required by your licence and a elevant nuisance controls in place? lanagement system in place for your facility e register on site?	nd approved by the Agency in pla pproved by the Agency in place? y? If no why?	ce? If no please list waste p	rocessing infrastructure r	equired onsite	SELECT SELECT SELECT SELECT					
all waste processing in all waste storage infra pes your facility have n pyou have an odour m pyou maintain a sludg	frastructure as required by your licence an structure as required by your licence and a elevant nuisance controls in place? nanagement system in place for your facility e register on site?	nd approved by the Agency in pla pproved by the Agency in place? y? If no why?	ce? If no please list waste p	rocessing infrastructure r	equired onsite	SELECT SELECT SELECT SELECT					
all waste processing in all waste storage infra bes your facility have no you have an odour moyou maintain a sludg CCTION D-TO BE 6 able 2 Waste types permitted	frastructure as required by your licence and a structure as required by your licence and a selevant nuisance controls in place? hanagement system in place for your facilities register on site? COMPLETED BY LANDFILL SITES Ce and tonnage-landfill only Authorised/licenced annual intake for	ad approved by the Agency in place? pproved by the Agency in place? y? If no why? DNLY Actual intake for disposal in	re? If no please list waste p If no please list waste stord Remaining licensed capacity at end of	rocessing infrastructure r	equired onsite	SELECT SELECT SELECT SELECT					
all waste processing in all waste storage infra bees your facility have r y you have an odour m y you maintain a sludg ECTION D-TO BE 6 able 2 Waste type	frastructure as required by your licence an structure as required by your licence and a elevant nuisance controls in place? lanagement system in place for your facility e register on site? COMPLETED BY LANDFILL SITES Completed to e and tonnage-landfill only	id approved by the Agency in place? pproved by the Agency in place? y? If no why? DNLY	Remaining licensed capacity at end of reporting year (m3)	rocessing infrastructure r	equired onsite	SELECT SELECT SELECT SELECT					
all waste processing in all waste storage infra best your facility have rely you have an odour me you maintain a sludgection D-TO BE of able 2 Waste types permitted for disposal	frastructure as required by your licence an structure as required by your licence and a selevant nuisance controls in place? I languagement system in place for your facilities register on site? COMPLETED BY LANDFILL SITES Completed and tonnage-landfill only Authorised/licenced annual intake for disposal (tpa)	ad approved by the Agency in place? y? If no why? DNLY Actual intake for disposal in reporting year (tpa)	re? If no please list waste p If no please list waste stord Remaining licensed capacity at end of	rocessing infrastructure r	equired onsite	SELECT SELECT SELECT SELECT					

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?		Total disposal area occupied by waste	Lined disposal area occupied by waste	Unlined area
										SELECT UNIT	SELECT UNIT	SELECT UNIT
						Temporary closure						
Ballaghveny Landfill	1984	2011	No	Public	Non Hazardous	in place.	No	No	No	Cells 1 - 10A	Cells 3 - 10A	Cells 1 & 2

2017

WASTE SUMMARY					Lic No:	W0078-03		Year
	ntal monitoring-landfill only	Landfill Manual-Monitoring Stan	idards			•	•	*
Was meterological								
monitoring in							Has the statement	
compliance with			Was SW monitored in				under S53(A)(5) of	
Landfill Directive (LD)		Was Landfill Gas monitored in	compliance with LD			Was topography of	WMA been	
standard in reporting	Was leachate monitored in compliance	compliance with LD standard in	standard in reporting	Have GW trigger levels	Were emission limit values agreed with the	the site surveyed in	submitted in	
year +	with LD standard in reporting year	reporting year	year	been established	Agency (ELVs)	reporting year	reporting year	Comments

Yes Yes Yes Yes Helase 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 waste that should be permanently		
SELECT UNIT	SELECT UNIT	Area with final cap to LD Standard m2 ha, a	Area capped other	capped to date under licence	What materials are used in the cap	Comments
Phase 1	0	All capped			1 m thick cap comprising approximately 0.15 m of topsoil over 0.85 m of subsoil. No drainage layer at base of subsoil.	
					No Flexible Membrane Liner	
Phase 2, 3 and 4	0	All capped			System incorporating: Gas Collection layer. LLDPE Liner layer. SW drainage geocomposite layer. 0.8 in subsoil layer, 0.15 m topsoil layer	

*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?
10 Is leachate released to surface water? If yes please complete leachate mass load information below

'es	
lo	

Volume of leachate in		Leachate (COD) mass load	Leachate (NH4) mass	Leachate (Chloride)		Specify type of	
reporting year(m3)	Leachate (BOD) mass load (kg/annum)	(kg/annum)	load (kg/annum)	mass load kg/annum	Leachate treatment on-site	leachate treatment	Comments
							Leachate tankered
20,844					None	N/A	offsite To WWTP

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
373,366.0	0	N/A	Yes	

Comments on liner type



| PRTR# : W0078 | Facility Name : Ballaghveny Landfill | Filename : W0078_2017.xlsm | Return Year : 2017 |

Guidance to completing the PRTR workbook

PRTR Returns Workbook

Version 1 1 10

REFERENCE YEAR 2017

1. FACILITY IDENTIFICATION

1	Parent Company Name	Tipperary County Council
	,	Ballaghveny Landfill
	,	
	PRTR Identification Number	
	Licence Number	W0078-03

Classes of Activity

• • • • • • • • • • • • • • • • • • • •	
No. class_name	No.
- Refer to PRTR class activities below	-

Address 1	Ballymackey
Address 2	
Address 3	
Address 4	
	Tipperary
Country	Ireland
Coordinates of Location	
River Basin District	IEGBNISH
NACE Code	3821
Main Economic Activity	Treatment and disposal of non-hazardous waste
AER Returns Contact Name	Justine Haugh
AER Returns Contact Email Address	
AER Returns Contact Position	Environmental Technician
AER Returns Contact Telephone Number	0761065000
AER Returns Contact Mobile Phone Number	0870683827
AER Returns Contact Fax Number	
Production Volume	0.0
Production Volume Units	
Number of Installations	1
Number of Operating Hours in Year	0
Number of Employees	1
User Feedback/Comments	There was a higher level of Sulphur Dioxide emissions measured in
	this year's Air Emissions Compliance Monitoring Report compared to
	last year.
Web Address	www.tipperarycoco.ie

2. PRTR CLASS ACTIVITIES

2	
Activity Number	Activity Name
5(d)	Landfills
	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 ?	

4. WASTE IMPORTED/ACCEPTED ONTO SITE Do you import/accept waste onto your site for onsite treatment (either receivery or disposal)

site treatment (either recovery or disposal activities) ? No

| PRTR# : W0078 | Facility Name : Ballaghveny Landfill | Filename : W0078_2017.xlsm | Return Year : 2017 | Page 2 of 2

4.1 RELEASES TO AIR

Link to previous years emissions data

PRTR#: W0078 | Facility Name: Ballaghveny Landfill | Filename: W0078_2017.xlsm | Return Year: 2017 |

25/04/2018 16:34

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

OLUTION	TA . SECTOR SPECIFIC PRIN POL										_
		RELEASES TO AIR				Please enter all quantities i					
		POLLUTANT		ME	THOD				QUANTITY		
					Method Used						
									A (Accidental)	F (Fugitive)	
	No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	Emission Point 2	T (Total) KG/Year		KG/Year	
					Landgem Model & onsite						
01		Methane (CH4)	С	OTH	flare records	0.0	330303.0	330303.0	0.0	, ,	0.0
					EN 15058:2006 NCIR by						
02		Carbon monoxide (CO)	M	EN 15058:2004	Horiba PG-250	5.84	0.0	5.84	0.0	, ,	0.0
					EN 14792:2006						
08		Nitrogen oxides (NOx/NO2)	М	EN 14792:2005	Chemiluminescence	75.82	0.0	75.82	0.0	,	0.0
11		Sulphur oxides (SOx/SO2)	M	ALT	TGN 21 NDIR Absorption	49.06	0.0	49.06	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 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
					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 AIR	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 (Acci	dental) 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 Tritorial KG/tritor Section & Sector specific PDTP orbitations above Please complete the table helps.

intinised on metrifactures to accompany the rigures for total mentane generated. Operators should only report their wet mentane (CH4) emission to the ironment under T(total) KG/yr for Section A: Sector specific PRTR pollutants above. Please complete the table below:												
Landfill:	Ballaghveny Landfill											
Please enter summary data on the												
quantities of methane flared and / or												
utilised			Met	nod Used								
					Facility Total Capacity m3							
	T (Total) kg/Year	M/C/E	Method Code	Description	per hour							
Total estimated methane generation (as per												
site model)	582225.0	С	OTH	Landgem	N/A							
Methane flared	251922.0	C	OTH	EPA LFG Survey		(Total Flaring Capacity)						
Methane utilised in engine/s	0.0				0.0	(Total Utilising Capacity)						
Net methane emission (as reported in Section												
A above)	330303.0	С	OTH	Landgem & EPA LFG Surve	N/A							

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE | PRTR# : W0078 | Facility

| PRTR# : W0078 | Facility Name : Ballaghveny Landfill | Filename : W0078_2017.xlsm | Return Year : 2017 |

25	/n/	118	16	37

			Please enter a	Ill quantities on this sheet in Tonnes								3
			Quantity (Tonnes per Year)				Method Used		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)
	European Waste				Waste Treatment			Location of				
Transfer Destination		Hazardous		Description of Waste		M/C/E	Method Used	Treatment				
Within the Country	19 07 03	No		landfill leachate other than those mentioned in 19 07 02	D8	М	Weighed	Offsite in Ireland	Limerick WWTP,D0013.01	Limerick WWTP,Bunlicky,Limerick ,.,Ireland		
Within the Country	19 07 03	No		landfill leachate other than those mentioned in 19 07 02	D8	М	Weighed	Offsite in Ireland	Rilta Environmental Services,W0192-03	Rilta Environmental Services,Rathcoole,Dublin,.,I reland		

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