Facility Information Summary	,	]		
AER Reporting Year	2015	-		
Licence Register Number	W0011-02			
Name of site		Ballymu	rtagh	
Site Location		Avoca, co.	Wicklow	
NACE Code		383	2	
Class/Classes of Activity	Disposal &	Recovery of N	Ion-Hazardous Waste	
National Grid Reference (6E, 6 N)		-6.22865,5	2.87457	
A description of the activities/processes at the site for the reporting year. This should include information such as production increases or decreases on site, any infrastructural changes, environmental performance which was measured during the reporting year <b>and an overview of</b> <b>compliance with your licence</b> <u>listing all</u> <u>exceedances of licence limits (where</u> <u>applicable) and what they relate to e.g. air,</u> <u>water, noise.</u>				
	Ballymurtag	h is a closed la	ndfill (13 years) and now only op	erates a Recycling facility at the site.

3

# **Declaration:**

All the data and information presented in this report has been checked and certified as being accurate. The quality

	of the information is as	<u>sured to meet licen</u>	<u>ce reauirements.</u>
Signature Group/Facility manager	Robert Kelly	Date	08/04/2016
(or nominated, suitably qualified and experienced deputy)			

	AIR-summary template	Lic No:	W0011-02	Year	2015
	Answer all questions and complete all tables where relevant				
			1	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 do not need to complete the tables				
		Yes			
	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			
		No			
3	Was all monitoring carried out in accordance with FPA guidance monitoring				
	note AG2 and using the basic air monitoring checklist? <u>checklist</u> <u>AGN2</u>	Yes			

4

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

										Comments -
										reason for
										change in %
										mass load
										from
			ELV in licence or							previous
Emission		Frequency of	any revision			Unit of	Compliant with		Annual mass	year if
reference no:	Parameter/ Substance	Monitoring	therof	Licence Compliance criteria	Measured value	measurement	licence limit	Method of analysis	load (kg)	applicable
					129					net
<b>5</b> 1		Di annual	2000 42 /h			Nex 2 /h aven		OTU		not
Flare	volumetric now	Bi-annuai	3000 m^3/nr			Nm3/nour	yes	UIH	-	applicable
	Sulphur oxides				30.94					
Flare	(SOx/SO2)	Bi-annual	No limit			mg/Nm3	not applicable#	отн	32.7	+8%
	Nitrogen ovides				72.05					
Flare	(NOx/NO2)	Bi-annual	<150mg/Nm^3	100 % of values < FLV		mg/Nm3	ves	отн	76.15	+1%
					0.74		,		70.15	70
Flare	Carbon monoxide (CO)	Bi-annual	No limit		0171	mg/Nm3	not applicable#	отн	0.78	-68%

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

	Continuous Monitoring		
4	Does your site carry out continuous air emissions monitoring?	No	
	If yes please review your continuous monitoring data and report the required fields below in Table A2 and compare it to its relevant Emission Limit Value (ELV)		
5	Did continuous monitoring equipment experience downtime? If yes please record downtime in table A2 below	No	
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 A3 below	No	

AIR-summary template	Lic No:	W0011-02	Year	2015	
Table A2: Summary of average emissions -continuous monitoring					

Emission	Parameter/ Substance		Averaging Period	Compliance Criteria	Units of	Annual Emission	Annual maximum	Monitoring	Number of ELV	Comments
reference no:					measurement			Equipment	exceedences in	
								downtime (hours)	current	
		ELV in licence or							reporting year	
		any revision therof								
	SELECT			SELECT	SELECT					
	SELECT				SELECT					
	SELECT				SELECT					
	SELECT				SELECT					
	SELECT				SELECT					

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

# Table A3: Abatement system bypass reporting table

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

Bypass protocol

\* 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

		inspections	picase	rerer	10	bypuss	P
--	--	-------------	--------	-------	----	--------	---

Table A4: Solv Total VOC Emi	ent Management Pl ission limit value	an Summary	<u>Solvent</u> regulations	Please refer to linked solver complete table 5				
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				
					SELECT			
Table A5:	Solvent Mass Balan	ce summary						
	(I) Inputs (kg)			(0)				
Solvent (I) Inputs (kg) Organic solvent emission in waste			Solvents lost in water (kg)	Collected waste solvent (kg)	Fugitive Organic Solvent (kg)	Solvent released in other ways e.g.	Solvents destroyed onsite through	Total emission of Solvent to air (kg)

	AIR-summary template					Lic No:	W0011-02		Year	2015	
								Total			

AER Monitoring returns summary template-WATER/WASTEWA	AIER(SEWER)	LIC NO:	W0011-02		Year	2015	
			Additional informat	tion			
Does your site have licensed emissions direct to surface water or direct to	sewer? If ves						
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 inspection	ns						

Was it a requirement of your licence to carry out visual inspections on any surface water 2 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

No evidence of contamination observed during the reporting period.

Suspended Solids from Landfill retention pond and Recycling Centre.

#### 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
	SELECT	SELECT	SELECT			SELECT		SELECT	SELECT	
	SELECT	SELECT	SELECT			SELECT		SELECT	SELECT	

Yes

Yes

\*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	Was there any result in breach of licence requirements? If yes	please provide bri	ef details in the				
	comment section of Table W3 be	elow		No	A	dditional information	
	Was all monitoring carried out in accordance with EPA						
	guidance and checklists for Quality of Aqueous Monitoring Ex	kternal /Internal					
	Data Reported to the EPA? If no please detail what areas	ab Quality /	Assessment of				
4	require improvement in additional information box ch	necklist r	esults checklist	Yes			

#### 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	Averaging period	ELV or trigger values in licence or any revision therof <sup>Note 2</sup>	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)	Comments
SWD6	Water	Suspended Solids	discrete	Quarterly	30 minutes	35mg/l	All values < ELV	8	mg/L	yes	Gravimetric analysis	Other (please	SMEWW2540D	2.9	

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

5 Does your site carry out continuous emissions to water/sewer monitoring?

Additional Information

2015

Year

W0011-02

If yes please summarise your continuous monitoring data below in Table W4 and compare it to its relevant Emission Limit Value (ELV)

	Did continuous monitoring equipment experience downtime? If yes please record downtime in		
ь	table W4 below	SELECT	
-	Do you have a proactive service contract for each piece of continuous monitoring equipment on		
′	site?	SELECT	
	Did abatement system bypass occur during the reporting year? If yes please complete table W5		
ð	below	SELECT	

No

Lic No:

# Bio abatement system of average emissions -continuous monitoring

			ELV or trigger values in licence					% change +/- from previous reporting	Monitoring	Number of ELV	
Emission	Emission		or any revision	Averaging	Compliance	Units of	Annual Emission for current	year	Equipment	exceedences in	
reference no:	released to	Parameter/ Substance	thereof	Period	Criteria	measurement	reporting year (kg)		downtime (hours)	reporting year	Comments
	SELECT	SELECT		SELECT	SELECT	SELECT					
SELECT SELECT SELECT SELECT SELECT											
note 1: Volume	note 1: Volumetric flow shall be included as a reportable parameter.										

#### Table W5: Abatement system bypass reporting table

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

\*Measures taken or proposed to reduce or limit bypass frequency

		110011 02		Year	2015	
Bund testing dropdown menu click to see options			Additional information	_		
Are you required by your licence to undertake integrity testing on bunds and containment structures ? if yes please fill out table F	B1 below listing all new bunds and	1				
containment structures on site, in addition to all bunds which failed the integrity test-all bunding structures which failed including	ng mobile bunds must be listed ir	1				
the table below, <u>please include all bunds outside the licenced testing period</u> (mobile bunds and chemstore included)		Yes				
2 Please provide integrity testing frequency period		3 years				
Does the site maintain a register of bunds, underground pipelines (including stormwater and foul), Tanks, sumps and containers	? (containers refers to					
3 "Chemstore" type units and mobile bunds)		Yes				
4 How many bunds are on site?		0				
5 How many of these bunds have been tested within the required test schedule?						
6 How many mobile bunds are on site?		0				
7 Are the mobile bunds included in the bund test schedule?		No	Not applicable			
8 How many of these mobile bunds have been tested within the required test schedule?		N/a		_		
9 How many sumps on site are included in the integrity test schedule?		0		_		
10 How many of these sumps are integrity tested within the test schedule?		0				
Please list any sump integrity failures in table B1		CELECT	21/2	7		
11 Do an sumps and chambers have high level included alarms?		SELECT	N/A	-		
12 in yes to Q11 are these named systems included in a mannenalice and testing programme?		SELECT	N/A			

Γ	Tabl	le B1: Summary details of	bund /containment structure inte	egrity test	1										
B	und/Containment tructure ID	Туре	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)
		SELECT					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	_							
н	Has integrity testing been carried out in accordance with licence requirements and are all structures tested in														
15 li	ne with BS8007/EPA G	Suidance?			bunding and storage guide	alines	SELECT								
16 A	6 Are channels/transfer systems to remote containment systems tested?					SELECT									
17 A	Are channels/transfer systems compliant in both integrity and available volume?					SELECT									

Pipeline/underground structure testing

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 1 all underground structures and pipelines on site which failed the integrity test andall which have not been tested withing the integrity test period as specified 2 Please provide integrity testing frequency period \*please note integrity testing means water tightness testing for process and foul pipelines (as required under your licence)



Table	B2: Summary details of p	ipeline/underground structures in	ntegrity 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

Groundwate	'/Soi	l monito	ring	temp	plate	9
------------	-------	----------	------	------	-------	---

Lic No:

Year

2015

		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			include a groundwater/contaminated land monitoring results
<sup>3</sup> section	no		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 4 there an upward 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 AND answer questions 5-12 below. <u>template</u>	yes		
5 Is the contamination related to operations at the facility (either current and/or historic)	no		
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	N/A		
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	Please enter interpretation of data here

W0011-02

# Table 1: Upgradient Groundwater monitoring results

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration++	Average Concentration+	unit	GTV's*	SELECT**	Upward trend in pollutant concentration over last 5 years of monitoring data
Annual Average	G1/05	Ammonical Nitrogen	Colourimetric	Quarterly	0.1	0.87	mg/l	0.15	IGV	no
Annual Average	G1/05	Chloride	lon Chromatograph y	Quarterly	16	15.7	mg/l	30	IGV	no
Annual Average	G1/05	Conductivity	Electrometry	Quarterly	1521	1437	uS/cm @20 degrees C	1000	IGV	no
Annual Average	G1/05	Dissolved Oxygen	DO Probe	Quarterly	6.1	5.8	mg/l	No Abnormal Change	IGV	yes
Annual Average	G1/05	Odour	On Site	Quarterly	Odourless	Odourless	not applicable	not applicable	IGV	no
Annual Average	G1/05	pН	Hydrogen ion selective Electrode	Quarterly	3.9	3.8	pH units	6.5 - 9.5	IGV	yes
Annual Average	G1/05	Potassium	lon Chromatograph y	Quarterly	2	2	mg/l	5	IGV	yes

Groundv	water/Soil m	nonitoring t	emplate		Lic No:	W0011-02		Year	2015		
Annual			lon Chromatograph								
Average	G1/05	Sodium	y	Quarterly	12	11.3	mg/l	150	IGV	yes	
Annual			Ion Chromatograph								
Average	G1/05	Sulphate	y	Quarterly	1307	1178	mg/l	200	IGV	yes	
			Heated					No			
Annual	G1/05	тос	Persulfate	Quarterly	14	13	mg/l	Abnormal Change	IGV	20	
Annual	01/00	Ammonical	Oxidation	dunteny	1.4	1.0	1116/1	change		10	
Average	G2/05	Nitrogen	Colourimetric	Quarterly	<0.08	<0.08	mg/l	0.15	IGV	no	
Annual			Chromatograph								
Average	G2/05	Chloride	У	Quarterly	34	23	mg/l	30	IGV	no	
Average	G2/05	Conductivity	Electrometry	Quarterly	1282	1247	uS/cm @20 degrees C	1000	IGV	no	
Annual		Dissolved						No			
Average	G2/05	Oxygen	DO Probe	Quarterly	8.2	6.9	mg/l	Change	IGV	ves	
Annual	0.0/05		0.01		<u></u>			not		,	
Average	G2/05	Odour	On Site Hydrogen ion	Quarterly	Odourless	Odourless	not applicable	applicable	IGV	no	
Annual			selective								
Average	G2/05	рН	Electrode Ion	Quarterly	4	3.8	pH units	6.5 - 9.5	IGV	yes	
Annual			Chromatograph								
Average	G2/05	Potassium	y Ion	Quarterly	2	1.75	mg/l	5	IGV	yes	
Annual			Chromatograph								
Average	G2/05	Sodium	y Ion	Quarterly	23	14.8	mg/l	150	IGV	yes	
Annual			Chromatograph								
Average	G2/05	Sulphate	у	Quarterly	846	836	mg/l	200	IGV	yes	
Annual			Heated					No			
Average	G2/05	тос	Oxidation	Quarterly	1.3	1.2	mg/l	Change	IGV	no	
Annual			Distallation/		0.06	0.05		Ŭ			
Average	G2/05	Total Phenols	Colormetery	Quarterly			mg/l	0.5	IGV	no	
Average	Twin Shafts	Nitrogen	Colourimetric	Quarterly	0.23	0.13	mg/l	0.15	IGV	no	
Annual		-	lon Chromotograph								
Average	Twin Shafts	Chloride	y y	Quarterly	18	18	mg/l	30	IGV	no	
Annual	Turin Chafts	Construction in a	Fleetremetry	Oversterk	200	224		4000	101/		
Average	I win Shafts	Conductivity	⊨lectrometry	Quarterly	360	334	uS/cm @20 degrees C	1000 No	IGV	no	
Annual		Dissolved						Abnormal			
Average Annual	Twin Shafts	Oxygen	DO Probe	Quarterly	8.9	7.2	mg/l	Change not	IGV	yes	
Average	Twin Shafts	Odour	On Site	Quarterly	Odourless	Odourless	not applicable	applicable	IGV	no	
Annual			Hydrogen ion								
Average	Twin Shafts	pН	Electrode	Quarterly	6.9	6.7	pH units	6.5 - 9.5	IGV	yes	
Annual			lon Chromotograph								
Average	Twin Shafts	Potassium	y	Quarterly	8	6	mg/l	5	IGV	ves	

Ground	water/Soil m	nonitoring t	emplate		Lic No: W0011-02			Year 2015		
Annual			lon Chromatograph							
Average	Twin Shafts	Sodium	y	Quarterly	9	9	mg/l	150	IGV	yes
Annual			lon Chromatograph							
Average	Twin Shafts	Sulphate	У	Quarterly	102	95	mg/l	200	IGV	yes
			Heated					No		
Annual			Persulfate					Abnormal		
Average	Twin Shafts	тос	Oxidation	Quarterly	1.8	1.6	mg/l	Change	IGV	no
Annual			Distallation/		<0.05	<0.05				
Average	Twin Shafts	Total Phenols	Colormetery	Quarterly			mg/l	0.5	IGV	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**	Upward trend in yearly average pollutant concentration over last 5 years of monitoring data
Annual	G1/04	Ammonical	Colourimetric	Quarterly	0.22	0.13	mg/l	0.15	SIGV	No
Annual Average	G1/04	Chloride	Ion Chromatograph y	Quarterly	28	26	mg/l	30	IGV	No
Annual Average	G1/04	Conductivity	Electrometry	Quarterly	7720	7388	uS/cm @20 degrees C	1000	IGV	No
Annual Average	G1/04	Dissolved Oxygen	DO Probe	Quarterly	7.2	6	mg/l	No Abnormal Change	IGV	No
Annual Average	G1/04	Odour	On Site	Quarterly	Odourless	Odourless	not applicable	not applicable	IGV	No
Annual Average	G1/04	рН	Hydrogen ion selective Electrode	Quarterly	3.3	3.1	pH units	6.5 - 9.5	IGV	No
Annual Average	G1/04	Potassium	lon Chromatograph y	Quarterly	<10	5.3	mg/l	5	5 IGV	No
Annual Average	G1/04	Sodium	lon Chromatograph y	Quarterly	19	11.3	mg/l	150	IGV	No
Annual Average	G1/04	Sulphate	lon Chromatograph y	Quarterly	9529	9039	mg/l	200	IGV	No
Annual Average	G1/04	TOC	Heated Persulfate Oxidation	Quarterly	5.4	5.2	mg/l	No Abnormal Change	IGV	No
Annual Average	G1/04	Total Phenols	Distallation/ Colormetery	Quarterly	<0.05	<0.05	mg/l	0.5	GV	No
Annual Average	SW3	Ammonical Nitrogen	Colourimetric	Quarterly	10	8.5	mg/l	0.15	5 IGV	No
Annual Average	SW3	Chloride	Ion Chromatograph y	Quarterly	35	33	mg/l	30	IGV	No

Groundw	ater/Soil r	nonitoring t	emplate		Lic No:	W0011-02		Year	201	5		
Annual Average	SW3	Conductivity	Electrometry	Quarterly	1655	1566	uS/cm @20 degrees C	1000	IGV	No		
Annual Average	SW3	Dissolved Oxygen	DO Probe	Quarterly	7.8	7.1	mg/l	No Abnormal Change	IGV	No		
Annual Average	SW3	Odour	On Site	Quarterly	Odourless	Odourless	not applicable	not applicable	IGV	No		
Annual Average	SW3	pН	Hydrogen ion selective Electrode	Quarterly	5.4	4.4	pH units	6.5 - 9.5	IGV	No		
Annual Average	SW3	Potassium	Ion Chromatograph y	Quarterly	9	8	mg/l	5	IGV	No		
Annual Average	SW3	Sodium	lon Chromatograph y	Quarterly	20	18	mg/l	150	IGV	No		
Annual Average	SW3	Sulphate	lon Chromatograph y	Quarterly	1050	1006	mg/l	200	IGV	No		
Annual Average	SW3	тос	Heated Persulfate Oxidation	Quarterly	1.4	1.3	mg/l	No Abnormal Change	IGV	No		
Annual Average	SW3	Total Phenols	Distallation/ Colormetery	Quarterly	0.1	0,06	mg/l	0.5	IGV	No		
*please no upward tre please comp More informa	ote exceedance and in results for plete the Groun	e of generic asses or a substance inc ndwater Monitori e of soil and grou	sment criteria (GA licates that further ng Guideline Temp as ndwater standards	C) such as a Ground interpretation of mo late Report at the lir otherwise instructed / generic	water Threshold Value onitoring results is requ k provided and submit l by the EPA.	(GTV) or an Interim ( ired. In addition to c separately through A	Suideline Value (IGV) or an ompleting the above table, ALDER as a licensee return or	Grou	indwater monit	oring template		
issessment cr guidance (see	riteria (GAC) ar the link in G3	nd risk assessmen 1)	t tools is available	in the EPA published	Guidance on th	ne Management of	Contaminated Land and G	roundwater a	t EPA Licensed :	<u>Sites (EPA 2013).</u>		
**Depend	ding on locatio o the GTV e.g. i	n of the site and p if the site is close	proximity to other to surface water co	sensitive receptors a ompare to Surface W	Iternative Receptor bas ater Environmental Qu	ed Water Quality sta ality Standards (SWE	ndards should be used in QS). If the site is close to a	<u>Surface</u>	Groundwater regulations	Drinking water (private supply)	Drinking water (public	Inte

Groundv	vater/Soil m	nonitoring t	emplate		Lic No:	W0011-02		Year	201
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 Liphilities templete	17- MI-	W0044 02		2045
	Environmental Liabilities template	LIC NO:	W0011-02	Year	2015
	Click here to access EPA guidance on Environmental Liabilities and Financial				
	provision				
			Commentary	т	
1	ELRA initial agreement status				
		Submitted and not agreed by EPA:			
		Submitted and not agreed by ErA,		+	
2		Deview required and completed	Deviewed in 2015		
2	ELRA TEVIEW Status	Review required and completed	Reviewed III 2015	+	
3	Amount of Financial Provision cover required as determined by the latest ELRA	€1.5 m	This is the highest cost scenario, the most likely scenarion is €607,000.	4	
4	Financial Provision for ELRA status	Required but not submitted			
5	Financial Provision for ELRA - amount of cover	€1.5 m			
			Wicklow County Council is currently reviewing their financial provision for the Rampere site in light		
6	Financial Provision for FLRA - type	Other please specify	of the FLRA report 2015		
-				-	
7	Einancial provision for ELRA ovning data	Entor ovning data			
,	Financial provision for EEKA expiry date	Closure plan submitted and pet agreed		+	
0	Closure plan initial agreement status	by EBA			
8	Closure plan initial agreement status	Boviow required and completed	Clocure Dian submitted in March 2012	+	
10	Einancial Provision for Closure status	Required but not submitted		+	
10	Financial Provision for Closure - amount of cover	£1.5m	Based on 30 years aftercare	+	
11	Financial Provision for Closure - type	Other place specify	Wicklow County Council is currently reviewing their financial provision for the Ballymurtage cite in light	+	
13	Financial provision for Closure expression date	Other please specify	Wicklow County Council is currently reviewing their financial provision for the Ballymurtagh site in light	†	

	Environmental Management Programme/Continuous Improvement Programm	e template	Lic No:	W0011-02	Year	2015
	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				
2	Does the EMS reference the most significant environmental aspects and associated impacts 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				

<b>Environmental Management Programme</b>	(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	Weekly balancing of Gas field	Individual	Reduced emissions
Reduction of emissions to Wastewater	Install new gas wells in the waste body.	20	Work to begin in Summer 2015.	Individual	Installation of infrastructure
Additional improvements	Improve Surface water run off from capped area of landfill	90	Increase the amount of drainage stone in open drains to prevent erosion	Individual	Improved Environmental Management Practices
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	90	Reduce all small diameter piping to flare, include on daily checklist	Individual	Improved Environmental Management Practices
Groundwater protection	Implement new GW Screening recommendations	10	Target vet to begin	Individual	Improved Environmental Management Practices

<b>Environmental Management Prog</b>	ramme/Continuous Im	provement Programm	ne template	Lic No:	W0011-02	Year	20
	Carry out Energy Efficancy		To be submitted before		Improved Environmental		
	carry out energy enicency	10	To be submitted before	المرائب ترابيها	Management Drasticas		
Energy Efficiency/Utility conservation	Inspection	10	August 2016	Individual	Management Practices	4	
	Write an Accident						
	Prevention procedure for		Risk assesment carried out		Improved Environmental		
Additional improvements	Facility	90	) for the site.	Individual	Management Practices		
	Install Petrol/ Oil						
	Interceptor on SW						
Reduction of emissions to Water	discharge to river	10	To be installed	Individual	Reduced emissions		
SELECT		SELECT		SELECT	SELECT	1	

Noise monitoring sumn	nary report		Lic No:	W0011-02	Year	2015
1 Was noise monitoring a licence requirement for the AER p If yes please fill in table N1 noise summary below	period?			Yes	]	
2 Was noise monitoring carried out using the EPA Guidance "Checklist for noise measurement report" included in the	note, including completion of guidance note as table 6?	the	<u>Noise</u> Guidance note NG4	Yes		
3 Does your site have a noise reduction plan				No		
4 When was the noise reduction plan last updated?				Enter date		
Have there been changes relevant to site noise emissions 5 surve	(e.g. plant or operational char ey?	nges) since th	ne last noise	No		
Table N1: Noise monitoring summary						

Date of monitoring	Time period	Noise location (on site)	Noise sensitive location -NSL (if applicable)	LA <sub>eq</sub>	LA <sub>90</sub>	LA <sub>10</sub>	LA <sub>max</sub>	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)?
27/05/2015	30	NSL1	55	49.6	39.3	45.9	81.1	No	SELECT	Traffic noise(9), Birds Singing (10), Airplane (2), House Repairs (4)	Yes
27/05/2015	30	NSL4	55	62.6	47.2	66.2	82.3	No	SELECT	Car Passing (59), Bus Passing (2), Van Door (3), Metal Gate (2).	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)

Res	burce Osage/Energy eniciency summary	LIC NO:	W0011-02	1	/ear	2015
				Additional information		
	1 When did the site carry out the most recent energy efficiency audit? Please list the recommendation	ns in table 3 below	Enter date of audit	not carried out		
	Is the site a member of any accredited programmes for reducing energy usage/water conservation such	<u>SEAI - Large</u> Industry Energy				
	2 as the SEAI programme linked to the right? If yes please list them in additional information	Network (LIEN)	No			
	Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Pleas	e state percentage in				
	3 additional information		SELECT	Not applicable		

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)	6.5	6.3		
Total Energy Generated (MWHrs)	0	0		
Total Renewable Energy Generated (M	0	0		
Electricity Consumption (MWHrs)	6.5	6.3		
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)	0	0		
Light Fuel Oil (m3)	4.5	4.3		
Natural gas (m3)	0	0		
Coal/Solid fuel (metric tonnes)	0	0		
Peat (metric tonnes)	0	0		
Renewable Biomass	0	0		
Renewable energy generated on site	0	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 usage				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 reporting	vs overall site	back to	released as steam	
Water use	Previous year m3/yr.	Current year m3/yr.	year**	production*	environment(m <sup>3</sup> yr):	m3/yr	Unaccounted for Water:
Groundwater	0	0					
Surface water	0	0					
Public supply	10.9	10.5			10.5	0	
Recycled water	0	0					
Total	10.9	10.9					

\* 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	Summary				
	Total	Landfill	Incineration	Recycled	Other
Hazardous (Tonnes)					
Non-Hazardous (Tonnes)					

Resource	e Usage/Energy efficiency sun	nmary			Lic No:	W0011-02		Year	2015	
	Table R4: Energy Au									
	Date of audit	Recommendations	Description of Measures proposed	Origin of measures	Predicted energy savings %	Implementation date	Responsibility	Completion date	Status and comments	
ŀ				SELECT						
				SELECT						

Table R5: Power Generation: Where power is generated onsite (e.g. power generation 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 on	Site				

Complaints and Incidents summary template	Lic No:	W0011-02	Year	2015		
Complaints						
		Additional inform	ation			
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	No		]			

Table 1	L Complaints summary						
			Brief description of				
			complaint (Free txt <20	Corrective action< 20			Further
Date	Category	Other type (please specify)	words)	words	Resolution status	Resolution date	information
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		
Total complaints							
open at start of							
reporting year	0						
Total new							
complaints							
received during							
reporting year	0						
Total complaints							
closed during							
reporting year	0						
Balance of							
complaints end of							
reporting year	0						

Have any incidents occurred on site in the current reporting year? Please list all incidents for current	
Have any incidents occurred on site in the current reporting year? Please list all incidents for current	Additional informa
reporting year in Table 2 below No	

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

Table 2 Incidents summary														
			Incident			Other	Activity in				Preventative			
			category*please refer to			cause(please	progress at			Corrective action<20	action <20		Resolution	Likelihood of
Date of occurrence	Incident nature	Location of occurrence	guidance	Receptor	Cause of incident	specify)	time of	Communication	Occurrence	words	words	Resolution status	date	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														
		=												

WASTE SUMMARY Lic No:	W0011-02	Year	2015
SECTION A-PRTR ON SITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES	PRTR facility logon	dropdown lis	st click to see options

SECTION B- WASTE ACCEPTED ONTO SITE-TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES		
	-	Additional Information
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 1 boundaries is to be captured through PRTR reporting)	No	
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

#### 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

#### 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	EWC code	Source of waste accepted	Description of waste	Quantity of waste	Quantity of waste accepted in	Reduction/	Reason for	Packaging Content (%)-	Disposal/Recovery or	Quantity of	Comments -
limit for your site (total			accepted	accepted in current	previous reporting year (tonnes)	Increase over	reduction/ increase	only applies if the	treatment operation carried	waste	
tonnes/annum)			Please enter an	reporting year (tonnes)		previous year +/	from previous	waste has a packaging	out at your site and the	remaining on	
			accurate and detailed			- %	reporting year	component	description of this operation	site at the end	
			description - which							of reporting	
			applies to relevant EWC							year (tonnes)	
			code								
	European Waste Catalogue		European Waste								
	EWC codes		Catalogue EWC codes								

No

No

#### 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

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

6 Does your facility have relevant nuisance controls in place? 7 Do you have an odour management system in place for your facility? If no why? 8 Do you maintain a sludge register on site?

#### SECTION D-TO BE COMPLETED BY LANDFILL SITES ONLY

Table 2 Waste type a	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
	0	0		No tonnage for waste disposal
			0	
			1	

#### 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	
Ballymurtagh Landfill	1989	2003	No	Public	Non Hazardous	2003	No		No	16,000 sq.m	C	16,000 sq.m	unlined

N/A	
Yes	



WASTE SUMMARY					Lic No:	W0011-02		Year	2015
Table 4 Environment	al monitoring-landfill onl	yLandfill Manual-Monitoring Sta	ndards					·	
Was meterological nonitoring 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	No			
.+ please refer to Landfill N	fanual linked above for relevant	Landfill Directive monitoring star	ndards						
Table 5 Capping-Lan	fill only					r	-		
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			
0		16,000	0	0	GCL				
*please note this includes	daily cover area	*			•		-		
Table 6 Leachate-Lar	dfill only								
Is leachate from your site	reated in a Waste Water Treatm	ent Plant?				No	T		
Is leachate released to sur	face water? If yes please comple	te leachate mass load informatio	n below			No			
		<b>T</b>			r			-	
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		
							_		
Plea	se ensure that all information re	ported in the landfill gas section	is consistent with the Land	Ifill Gas Survey submitte	d in conjunction with PRTR returns				
Table 7 Landfill Gas-	andfill only	<b>T</b>			T.				

~ ~			Was surface emissions monitoring performed		
Gas Captured& Treated by			during the reporting		
LFG System m3	Power generated (MW / KWh)	Used on-site or to national grid	year?	Comments	ments
197.392	0	n/a	Yes	Flare for odour control	e for odour control