SELECT	cells that are highlighted blue contain a dropdown menu click to select one option from the list
guidance document link	cells that contain underlined text click to access relevant guidance documents for this section
Table heading *	table headings followed by a symbol have an associated footnote or instructions
Cells with red indicator in top right corner	cells that have a red indicator in the top right corner contain a comment box with further instructions or clarification

Please note an interpretation of results is still required. This should be entered in the additional information/comments boxes within the templates. Please size these boxes appropriately to fit your interpretation, if additional space is required please include an appendix to the AER template and merge it as part of the AER PDF document. The excel template should have all cells sized appropriately so that all text is readable before it is converted to PDF document.

AER Reporting Year  Licence Register Number  Name of site  Site Location  NACE Code  Class/Classes of Activity  National Grid Reference (6E, 6 N)  A description of the activities/processes at	Offaly
Name of site  Derryclure Landfill  Derryclure and Killeigh, Tullamore  NACE Code  Class/Classes of Activity  National Grid Reference (6E, 6 N)  A description of the activities/processes at	Offaly
Site Location  NACE Code  Class/Classes of Activity  National Grid Reference (6E, 6 N)  A description of the activities/processes at	Offaly
NACE Code Class/Classes of Activity Closed Landfill - Waste Transfer & Recy National Grid Reference (6E, 6 N)  A description of the activities/processes at	Offaly
Class/Classes of Activity  National Grid Reference (6E, 6 N)  A description of the activities/processes at	
National Grid Reference (6E, 6 N)  A description of the activities/processes at	
A description of the activities/processes at	ling Centre
·	
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 and an overview of compliance with your licence listing all exceedances of licence limits (where applicable) and what they relate to e.g. air, water, noise.	

activities on the site relate to a small waste transfer area at the front of the site and a Recycling Centre.

#### **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.

Basil Mannion 06/04/2016

Signature Date

Group/Facility manager

(or nominated, suitably qualified and experienced deputy)

	AIR-summary t	-				Lic No:	WL29-04		Year	2015	5	
	Answer all question	ns and complete all tables	where relevant									
								Additional information	on	7		
	Doos your site k	anya licancad air amissia	one of the second	malata tabla A1 a	nd A2 halaw for the current							
1	-			-	nd A2 below for the current ssions and do not complete a							
1		nt management plan (ta			<del>-</del>							
	30140	nt management plan (to	ibic A4 dila A5) you	do not need to ce	implete the tables	Yes						
						163				1		
	Periodio	:/Non-Continuous N	lonitoring									
2	Are there any resu	ılts in breach of licence red			etails in the comment section of	Na						
			TableA1 below			No				+		
2				Basic air								
3		g carried out in accordanc	-	monitoring	4000	v		nissions Monitoring u				
	note AG2 and	d using the basic air monit	oring checklist?	checklist	AGN2	Yes	upload to	EDEN - No issues not	ed in results.	1		
	Table A1: Licer	sed Mass Emissions	/Ambient data-r	periodic monito	oring (non-continuous)							
	Table 7111 Live	15CG 171G55 E11115510115	, , and ent data p		ing (non continuous)							
											Comments -	
											reason for	
											change in %	
				FIV in licence or							mass load	
	Emission		Eroguenay of	ELV in licence or any revision			Unit of	Compliant with		Annual mass	from previous year	
	reference no:	Parameter/ Substance	Frequency of Monitoring	therof	Licence Compliance criteria	Measured value	measurement	licence limit		load (kg)	if applicable	
	reference no.		g	treror			measurement	neerice iiiiie	Wiceriou or unarysis	rodd (Ng)	паррисавіс	
		CELECT			CELECT		CELECT	CELECT.	CELECT			
		SELECT			SELECT		SELECT	SELECT	SELECT		1	
		SELECT			SELECT		SELECT	SELECT	SELECT			1
		SELECT			SELECT		SELECT	SELECT	SELECT			
		SELECT			SELECT		SELECT	SELECT	SELECT			l
	Note 1: Volumetric	flow shall be included as a	a reportable parameto	er								
		Continuous	1onitorina									
		Continuous N	nonitoring					, ,	,			
4	D		dama magazinasi. 2			CELECT.		n for flare operation -				
	Does your site carr	y out continuous air emiss	sions monitoring?			SELECT	incided in the l	Landfill Gas Survey su	ibmited for 2015.	1		
	If yes please review		-		elow in Table A2 and compare it							
		to its r	relevant Emission Lim	it Value (ELV)						7		
5	Did continuous ma	nitoring equipment experi	ance downtime? If we	مرماه المحمود محمود م	untima in table A2 below	Vos	Coo full hours in	Landfill Cas Cumious	ubmitted for 2015			
	Dia continuous mo	nitoring equipment experi	ence downtime? If ye	is please record dov	vntime in table A2 below	Yes	See full nours in	Landfill Gas Survey s	ubmitted for 2015.	+		
6							Work with Irish B	Biotech Systems for F	lare Infrastructure -			
	Do you have a proa	ctive service agreement fo	or each piece of conti	nuous monitoring e	quipment?	Yes		support available pro		1		
7												
7	Did your si	te experience any abatem	ent system bypasses?	? If yes please detail	them in table A3 below	No				1		
Table A2: Summary of average emissions -continuous monitoring										<del>-</del>		
		-										
	Emission	Parameter/ Substance		Averaging Period	Compliance Criteria	Units of	Annual Emission	Annual maximum	Monitoring	Number of ELV	Comments	
	reference no:					measurement			Equipment	exceedences in		l

ELV in licence or any

revision therof

Equipment

downtime (hours)

reporting year

current

AIR-summary template						WL29-04	Year	2015	
	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 Bypass protocol

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

<sup>\*</sup> this should include all dates that an abatement system bypass occurred

<sup>\*\*</sup> 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

Solvent	use and manageme	nt on site							
Do you have a total	l Emission Limit Value of di	rect and fugitive emis	sions on site? if yes	please fill out tables A4 and A5			No		
	ent Management Pla ssion limit value	in Summary	<u>Solvent</u> regulations	Please refer to linked solver complete table 5					
Reporting year	Total solvent input on site (kg)		Total VOC emissions as %of solvent input	Total Emission Limit Value (ELV) in licence or any revision therof		_			
					SELECT	-			
Table A5:	Solvent Mass Baland	ce summary			SELECT				
(I) Inputs (kg)									
Solvent	(I) Inputs (kg)	_	Solvents lost in water (kg)		Fugitive Organic Solvent (kg)	Solvent released in other ways e.g. by-	Solvents destroyed onsite through	Total emission of Solvent to air (kg)	
			<del>!</del>	•	<del> </del>	•	Total		

AER Monitor	ring returns su	mmary template-WA	ATER/WASTEWA	ATER(SEWER)		Lic No:	WL29-04		Year	2015					
		•		, ,			Additional information		<b>-</b>						
Does your sit	e have licensed e	missions direct to surfac	ce water or direct to	o sewer? If yes											
		nd W3 below for the cur													
		t have licenced emission r storm water analysis a				No direct emissions	to SW or GW from the activity 0 m	onitoring undertaken							
· ·	WI and or WZ for	r storrii water ariaiysis a	na visuai irispectio	ons	Yes		per licence - see reports upload to	-	1						
Was it a requ	irement of your li	cence to carry out visual	l inspections on any	y surface water											
		or near your site? If yes													
summaris	sing <u>only any evid</u>	ence of contamination n	noted during visual	inspections	SELECT										
Table	W1 Storm wat	er monitoring													
					ELV or trigger						]				
Location	Location relative to site	PRTR Parameter	Licenced	Monitoring	level in licence	Licence Compliance	Magguradualua	Unit of	Compliant with	Comments					
reference	activities	FININFAIAIIIELEI	Parameter	date	or any revision	criteria	Measured value	measurement	licence	Comments					
					thereof*										
	SELECT	SELECT	SELECT			SELECT		SELECT	SELECT		-				
	SELECT	SELECT	SELECT			SELECT		SELECT	SELECT		]				
		ne Agency outside of licenc													
Tab	ie wz Visual in	spections-Please on	iy enter details	wnere contan	ination was ob	oserved.					1				
Location	Date of					Source of									
Reference	inspection		Description of cont	tamination		contamination	Corrective act	ion	Comi	ments					
						SELECT					]				
						SELECT									
Licensed Em	issions to wate	er and /or wastewat	ter(sewer)-perio	dic monitorin	g (non-continu	ous)									
3 Was there any	result in breach of	licence requirements? If y	res please provide br	ief details in the											
	con	nment section of Table W3	3 below		No	Havir	ng looked at all reported incidents i	n 2015.			1				
Was all moni	toring carried out i	n accordance with EPA													
	•	y of Aqueous Monitoring	External /Internal												
		please detail what areas	Lab Quality	Assessment of											
4 require imp	orovement in additi	ional information box	<u>checklist</u>	results checklist	Yes						]				
Table W3: Li	censed Emissic	ons to water and /or	wastewater (se	ewer)-periodic	monitoring (no	on-continuous)									
			,			•						1			
						ELV or trigger values							Procedural		
Emission	Emission	Parameter/		Frequency of		in licence or any			Unit of	Compliant with		Procedural	reference	Annual mass load	
reference no:	released to	SubstanceNote 1	Type of sample	monitoring	Averaging period	revision therof <sup>Note 2</sup>	Licence Compliance criteria	Measured value	measurement	licence	Method of analysis	reference source	standard number		Comments
	SELECT	SELECT	SELECT		SELECT		SELECT		SELECT	SELECT	SELECT	SELECT			
Note 1: Volumet	ric flow shall he inc	luded as a reportable para	ameter												
		es (ELV) do not apply to yo		mpare results again	nst EQS for Surface	water or relevant rec	eptor quality standards								
Comtinue							A 1 1992 1 2								
Continuous	_					I	Additional Information		7						
5 Does your site o	arry out continuou	s emissions to water/sewe	er monitoring?		No				_						
If yes please su	mmarise your cont	tinuous monitoring data b	elow in Table W4 a	nd compare it to											
its relevant Emis	ssion Limit Value (E	ELV)													
Did continuous monitoring equipment experience downtime? If yes please record downtime in															
table W4 below SELECT															
	roactive service cor	ntract for each piece of cor	ntinuous monitoring	equipment on					]						
site?	vetem hypaes occu	r during the reporting year	r? If was places come	alete table W5	SELECT										
below	узсені Буразз Осси	i during the reporting year	i: ii yes piease comp	piete table W3	SELECT										
Table W4: Su	ummary of ave	rage emissions -con	tinuous monito	ring		=									
			ELV or trigger					% change +/- from							
			values in licence or					previous reporting	Monitoring	Number of ELV					
Emission	Emission		any revision		Compliance	Units of	Annual Emission for current	year	Equipment	exceedences in					
reference no:	released to	Parameter/ Substance	thereof	Averaging Period	Criteria SELECT	measurement	reporting year (kg)		downtime (hours)	reporting year		Comm	nents		

P	AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)						Lic No:	WL29-04	Year	2015	
		SELECT	SELECT		SELECT	SELECT	SELECT				

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

Table W5: Abatement system bypass reporting table

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

<sup>\*</sup>Measures taken or proposed to reduce or limit bypass frequency

	ting template				Lic No:	WL29-04		Year	2015				
Bund testing	1	dropdown menu cli	ick to see options				Additional information						
	ur liconco to undortako in	tegrity testing on bunds and cont		assa fill out table R1 below	listing all now bunds and			7					
		bunds which failed the integrity											
		the licenced testing period (mol			e bullus illust be listeu ili								
tile table below, please	iliciade ali pullus outside	the licenced testing period (mor	une uunus anu chemstore mc	iuueuj		Yes							
	testing frequency period					SELECT		]					
		rground pipelines (including stori	mwater and foul), Tanks, sum	ps and containers? (contain	ners refers to "Chemstore"								
type units and mobile bu						Yes		_					
How many bunds are on							1						
		in the required test schedule?						_					
How many mobile bund:						None		4					
	ncluded in the bund test s					SELECT		4					
		ted within the required test sched	dule?				4						
	te are included in the inte							-					
	nps are integrity tested w tegrity failures in table B1							_					
						Yes		7					
1 Do all sumps and chambers have high level liquid alarms? 2 If yes to Q11 are these failsafe systems included in a maintenance and testing programme?						Yes		+					
! If yes to Q11 are these fallsafe systems included in a maintenance and testing programme? I is the Fire Water Retention Pond included in your integrity test programme?						SELECT		1					
is the rice water neteric	don'r ond meidded in ydd	i integrity test programme.				SEEECI		_					
Tabl	le B1: Summary details of	bund /containment structure int	tegrity test	1									
			Ĭ ,										
									Integrity reports				
Bund/Containment									maintained on		Integrity test failure		Scheduled date
	Туре	Specify Other type	Product containment	Actual capacity	Capacity required*	Type of integrity test	Other test type		site?	Results of test	explanation <50 words	Corrective action taken	for retest
	SELECT					SELECT			SELECT	SELECT		SELECT	
	SELECT ply with 25% or 110% containment	-1				SELECT	Commentary		SELECT	SELECT		SELECT	
		nce with licence requirements an	d are all structures tested in				Commentary	7					
line with BS8007/EPA Gu				bunding and storage guidel	ines	SELECT							
	ystems to remote contain	ment systems tested?				SELECT		1					
		integrity and available volume?				SELECT		1					
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						_					
Pipeline/undergrou	und structure testing	]						_					
		]						7					
Are you required by you	ur licence to undertake in	] tegrity testing* on underground :						]					
Are you required by you underground structures	ur licence to undertake in and pipelines on site wh	ich failed the integrity test and a				SELECT							
Are you required by you underground structures Please provide integrity	ur licence to undertake in and pipelines on site <b>wh</b> testing frequency period	ich failed the integrity test and a	all which have not been tested	d withing the integrity test									
Are you required by you underground structures Please provide integrity	ur licence to undertake in and pipelines on site <b>wh</b> testing frequency period	ich failed the integrity test and a	all which have not been tested	d withing the integrity test		SELECT							
Are you required by you underground structures Please provide integrity *please note integrity te	ur licence to undertake in s and pipelines on site <b>wh</b> testing frequency period esting means water tight	ich failed the integrity test and a I ness testing for process and foul I	all which have not been tester pipelines (as required under y	d withing the integrity test		SELECT							
Are you required by you underground structures Please provide integrity *please note integrity te	ur licence to undertake in s and pipelines on site <b>wh</b> testing frequency period esting means water tight	ich failed the integrity test and a	all which have not been tester pipelines (as required under y	d withing the integrity test		SELECT						-	
Are you required by you underground structures Please provide integrity *please note integrity te	ur licence to undertake in s and pipelines on site <b>wh</b> testing frequency period esting means water tight	ich failed the integrity test and a I ness testing for process and foul I	all which have not been tester pipelines (as required under y	d withing the integrity test		SELECT						1	
Are you required by you underground structures Please provide integrity *please note integrity te	ur licence to undertake in s and pipelines on site <b>wh</b> testing frequency period esting means water tight	ich failed the integrity test and a I ness testing for process and foul I	all which have not been tester pipelines (as required under y	d withing the integrity test		SELECT						]	
Are you required by you underground structures Please provide integrity *please note integrity te	ur licence to undertake in s and pipelines on site <b>wh</b> testing frequency period esting means water tight	ich failed the integrity test and a I ness testing for process and foul I	all which have not been tester pipelines (as required under y	d withing the integrity test		SELECT						]	
Are you required by you underground structures Please provide integrity *please note integrity te	ur licence to undertake in s and pipelines on site <b>wh</b> testing frequency period esting means water tight	ich failed the integrity test and a I ness testing for process and foul I	all which have not been tester pipelines (as required under y	d withing the integrity test		SELECT		Integrity test					
Are you required by you underground structures Please provide integrity *please note integrity te	ur licence to undertake in s and pipelines on site <b>wh</b> testing frequency period esting means water tight	ich failed the integrity test and a ness testing for process and foul ipeline/underground structures in	all which have not been tester pipelines (as required under antegrity test	d withing the integrity test		SELECT SELECT		failure explanation		Scheduled date	Results of retest(if in current		
Are you required by you underground structures Please provide integrity * please note integrity te Table !	ur licence to undertake in and pipelines on site wh testing frequency period setting means water tight B2: Summary details of p	ich failed the integrity test and a ness testing for process and foul ipeline/underground structures in Material of construction:	all which have not been teste- pipelines (as required under y ntegrity test  Does this structure have Secondary containment?	d withing the integrity test		SELECT SELECT  Integrity reports maintained on site?	Results of test		Corrective action taken	Scheduled date for retest	reporting year)		
Are you required by you underground structures provide integrity to please note integrity to Table !	ur licence to undertake in and pipelines on site wh testing frequency period esting means water tight. B2: Summary details of p	ich failed the integrity test and a ness testing for process and foul ipeline/underground structures in	all which have not been tester pipelines (as required under antegrity test	d withing the integrity test	period as specified	SELECT SELECT	Results of test SELECT	failure explanation					
Are you required by you underground structures provide integrity to please note integrity to Table !	ur licence to undertake in and pipelines on site wh testing frequency period setting means water tight B2: Summary details of p	ich failed the integrity test and a ness testing for process and foul ipeline/underground structures in Material of construction:	all which have not been teste- pipelines (as required under y ntegrity test  Does this structure have Secondary containment?	d withing the integrity test rour licence)  Type of secondary containment	period as specified  Type integrity testing	SELECT SELECT  Integrity reports maintained on site?		failure explanation			reporting year)		
Are you required by you underground structures Please provide integrity *please note integrity te Table !	ur licence to undertake in and pipelines on site wh testing frequency period setting means water tight B2: Summary details of p	ich failed the integrity test and a ness testing for process and foul ipeline/underground structures in Material of construction:	all which have not been teste- pipelines (as required under y ntegrity test  Does this structure have Secondary containment?	d withing the integrity test rour licence)  Type of secondary containment	period as specified  Type integrity testing	SELECT SELECT  Integrity reports maintained on site?		failure explanation			reporting year)		
Are you required by you underground structures Please provide integrity *please note integrity te Table !	ur licence to undertake in and pipelines on site wh testing frequency period setting means water tight B2: Summary details of p	ich failed the integrity test and a ness testing for process and foul ipeline/underground structures in Material of construction:	all which have not been teste- pipelines (as required under y ntegrity test  Does this structure have Secondary containment?	d withing the integrity test rour licence)  Type of secondary containment	period as specified  Type integrity testing	SELECT SELECT  Integrity reports maintained on site?		failure explanation			reporting year)		

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

,

Groundwater/Soil monitoring template Lic No: WL29-04 Year 2015

#### 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			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 there 4 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.	yes		
5 Is the contamination related to operations at the facility (either current and/or historic)	SELECT		
6 Have actions been taken to address contamination issues?If yes please summarise			
remediation strategies proposed/undertaken for the site	SELECT		
7 Please specify the proposed time frame for the remediation strategy	SELECT		
8 Is there a licence condition to carry out/update ELRA for the site?	SELECT		
9 Has any type of risk assesment been carried out for the site?	SELECT		
10 Has a Conceptual Site Model been developed for the site?	SELECT		
11 Have potential receptors been identified on and off site?	SELECT		
12 Is there evidence that contamination is migrating offsite?	SELECT		Please enter interpretation of data here

**Table 1: Upgradient Groundwater monitoring results** 

										Upward trend in
										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
							SELECT			SELECT
							SELECT			SELECT

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

Groundwater/Soil monitoring template	Lic No:	WL29-04		Year	2015		
*please note exceedance of generic assessment criteria (GAC) such as a Groun upward trend in results for a substance indicates that further interpretation of n please complete the Groundwater Monitoring Guideline Template Report at the last otherwise instructions.	monitoring results is re link provided and subn	equired. In addition to	completing the above table,	Grou	undwater monitoring template		_
More information on the use of soil and groundwater standards/ generic assessment criteria (GAC) and risk assessment tools is available in the EPA publishe guidance (see the link in G31)	d <u>Guidance or</u>	n the Management o	f Contaminated Land and Gr	oundwater a	et EPA Licensed Sites (EPA 2013).		
**Depending on location of the site and proximity to other sensitive receptors alter to the GTV e.g. if the site is close to surface water compare to Surface Water Environment of the Dried Compare results to the Dried	onmental Quality Stan	ndards (SWEQS), If the s		Surface water FOS	Groundwater Drinking water regulations (private supply)	Drinking water (public	Interim Guideline

# Table 3: Soil results

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

When a different date the construction are the first and a least and a second and a second
Where additional detail is required please enter it here in 200 words or less

**Environmental Liabilities template** 2015 Lic No: WL29-04 Year

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

1	ELRA initial agreement status	SELECT	
2	ELRA review status	SELECT	
3	Amount of Financial Provision cover required as determined by the latest ELRA	Specify	
3	randant of financial from some cover required as determined by the facest 2210.	эрсон	
4	Financial Provision for ELRA status	SELECT	
7	Tinancial Provision for EERA status	SELECT	
5	Financial Provision for ELRA - amount of cover	Specific	
5	Finalicial Provision for ELKA - amount of cover	Specify	
_	Financial Provision for FLDA Arms	CELECT	
6	Financial Provision for ELRA - type	SELECT	
7	Financial provision for ELRA expiry date	Enter expiry date	
8	Closure plan initial agreement status	SELECT	
9	Closure plan review status	SELECT	
10	Financial Provision for Closure status	SELECT	
11	Financial Provision for Closure - amount of cover	Specify	
12	Financial Provision for Closure - type	SELECT	
13_	Financial provision for Closure expiry date	Enter expiry date	

En	vironmental Management Programme/Continuous Improvement Programme	template	Lic No:	WL29-04	Year	2
	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	· ·	R's - more detailed when site was fully nal as a working landfill.		
2 D	Does the EMS reference the most significant environmental aspects and associated impacts on-site	Yes			_	
Do	oes the EMS maintain an Environmental Management Programme (EMP) as required in accordance with the licence requirements	SELECT				
D 4	Do you maintain an environmental documentation/communication system to inform the public on environmental performance of the facility, as required by the licence	SELECT				

Environmental Management Programme (EMP) report									
Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes				
SELECT		SELECT		SELECT	SELECT				
SELECT		SELECT		SELECT	SELECT				
SELECT		SELECT		SELECT	SELECT				

	N	loise monitor	ing summary	report			Lic No:	WL29-04	Year	2015	
1 Was noise monitoring a licence requirement for the AER period?  If yes please fill in table N1 noise summary below  2 Was noise monitoring carried out using the EPA Guidance note, including completion of the "Checklist for noise measurement report" included in the guidance note as table 6?  3 Does your site have a noise reduction plan  4 When was the noise reduction plan last updated?  5 Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since the last noise survey?  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)?
20/21 Aug 2015	Annual - see annual report submitted to EDEN							SELECT	SELECT		SELECT
	1										
*Please ensure th	If noise limits exceeded as a result of noise attributed to site activities, please choose the corrective action from the following options?  nothing** required.									Related to background off site vehicle movements - No action required	
			** pleas	e explain the	reason for I	not taking ac	ction/resolution	on of noise issues?		4	
				Any add	ditional com	ments? (less	s than 200 wo	ords)			

		,
When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below	Enter date of audit	None in 2015
SEAI - Large		
Is the site a member of any accredited programmes for reducing energy usage/water conservation such Industry Energy	<u>γ</u>	
as the SEAI programme linked to the right? If yes please list them in additional information Network (LIEI	No	
Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage	in	
additional information	No	

Table R1 Energy usag	e on site	1		
Energy Use	Previous year	Current year	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total Energy Used (MWHrs)				
Total Energy Generated (MWHrs)				
Total Renewable Energy Generated (N	1WHrs)			
Electricity Consumption (MWHrs)				
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)				
Light Fuel Oil (m3)				
Natural gas (m3)				
Coal/Solid fuel (metric tonnes)				
Peat (metric tonnes)				
Renewable Biomass				
Renewable energy generated on site				

<sup>\*</sup> 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.

<sup>\*\*</sup> where site production information is available please enter percentage increase or decrease compared to previous year

Table R2 Water usage on site		]		Water Emissions	Water Consumption		
			compared to	consumption if it	Volume Discharged	Volume used i.e not discharged to environment e.g.	
	Water extracted	Water extracted	previous reporting	1500000000000	back to	released as steam	
Water use	Previous year m3/yr.	Current year m3/yr.	year**	production*	environment(m³yr):	m3/yr	Unaccounted for Water:
Groundwater							
Surface water							
Public supply							
Recycled water							
Total							

<sup>\*</sup> 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.

<sup>\*\*</sup> where site production information is available please enter percentage increase or decrease compared to previous year

Table R3 Waste Stream	]				
Total L		Landfill	Incineration	Recycled	Other
Hazardous (Tonnes)					
Non-Hazardous (Tonnes)					

13

Docoure	Lleage/Energy officioney sum	100 O VII /			I i - NI	11/1/20 04		W	2045
Resource	e Usage/Energy efficiency sum	imary			Lic No:	WL29-04		Year	2015
	Table R4: Energy Au	dit finding recommendat	tions						
			Description of		Predicted energy				Status and
	Date of audit	Recommendations	Measures proposed	Origin of measures	savings %	Implementation date	Responsibility	Completion date	comments
				SELECT					
				SELECT					

Table R5: Power Generation: Where p	ower is generate	d onsite (e.g. power ge	neration facilities/foo	d and drink industry)	please complete the followi
	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	l	Lic No:	WL29-04	Year	2015	
Complaints						
	,	Additional informa	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 Complaints summary		1				
			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 Total new complaints received during reporting year							
Total complaints closed during reporting year							
Balance of		†					
complaints end of reporting year							

	Incidents			
				Additional informati
Have any incidents occurred on site in the current rep	orting year? Please list all inci	dents for current reporting		
year in Ta	able 2 below		Yes	
*For information on how to report and what	What is an incident			

Table 2 Incidents summary Other Activity in Preventative cause(please progress at Corrective action<20 action <20 Resolution Likelihood of Incident category\*please Date of occurrence | Incident nature Location of occurrence refer to guidance Cause of incident specify) time of incident Communication Occurrence words Resolution status date reoccurence Landfill Gas trigger level reached at GP17 & GP18 monitoring 13/01/2015 Trigger level reached Licenced discharge point (typ 1. Minor Other (add details points. Normal activities EPA Medium Recurring Ongoing Landfill Gas trigger level reached at GP01 & GP18 monitoring 09/02/2015 Trigger level reached Licenced discharge point (typ 1. Minor Other (add details points. Normal activities EPA Recurring Ongoing Medium Landfill Gas trigger level reached at GP01 11/03/2015 Trigger level reached Licenced discharge point (typ 1. Minor Other (add details monitoring point. Normal activities EPA Recurring Medium Ongoing

										-	
Complaints and	Incidents summary templat	te				WL29-04		Year	2015		
						Landfill Gas trigger level reached at GP01					
						& GP18 monitoring					
20/04/2015	Trigger level reached	Licenced discharge point (typ	1. Minor	Air	Other (add details		Normal activities	EPA	Recurring	Ongoing	Medium
11/05/2015	Trigger level reached	Licenced discharge point (typ	1. Minor	Air		Landfill Gas trigger level reached at GP01 monitoring point.	Normal activities	EPA	Recurring	Ongoing	Medium
						Landfill Gas trigger level reached at GP01					
06/06/2015	Trigger level reached	Licenced discharge point (typ	1. Minor	Air		Landfill Gas trigger level reached at GP018	Normal activities	EPA	Recurring	Ongoing	Medium
06/08/2015	Trigger level reached	Licenced discharge point (typ	1. Minor	Air	Other (add details	monitoring point.	Normal activities	EPA	Recurring	Ongoing	Medium
						Landfill Gas trigger level reached at GP01 & GP018					
16/09/2015	Trigger level reached	Licenced discharge point (typ	1. Minor	Air	Other (add details	monitoring point.	Normal activities	EPA	Recurring	Ongoing	Medium
23/10/2015	Trigger level reached	Licenced discharge point (typ	1. Minor	No Uncontrolled release	Other (add details		Normal activities	EPA	New	Ongoing	Low
0.1/1.1/2015						Power outage in local area caused Flare to shutdown for					
04/11/2015	Monitoring equipment offline	Licenced discharge point (typ	2. Limited	Air		Landfill Gas trigger level reached at GP01 & GP18	Normal activities	EPA	New	Complete	Medium
27/10/2015	Trigger level reached	Licenced discharge point (typ	1. Minor	Air	Other (add details	monitoring point.	Normal activities	EPA	Recurring	Complete	Medium
						Landfill Gas trigger level reached at GP018					
03/12/2016	Trigger level reached	Licenced discharge point (typ	1. Minor	Air	Other (add details	monitoring point.	Normal activities	EPA	Recurring	Ongoing	Medium
						Landfill Gas trigger level reached at GP018					
	Trigger level reached	Licenced discharge point (typ	1. Minor	Air	Other (add details	monitoring point.	Normal activities	EPA	Recurring	Ongoing	Medium
Total number of incidents current											

Total number of incidents current year 14
Total number of incidents previous year 14
% reduction/ increase 16

SECTION R. WASTE	ACCEPTED ONTO SITE-TO BE CO	MPLETED BY ALL IDDC AN	ID WASTE EACH ITIES			1							
SECTION D- WASTE	ACCEPTED ONTO SITE-TO BE CO	MIT LETED DI ALL IFFC AI	VASTE TACIENTES	,		<u>-</u>	Additional Information	on					
	ed onto your site for recovery or disposal o	or treatment prior to recovery or	disposal within the bounda	ries of your facility ?; (wa	ste generated within your boundaries is								
to be captured through P						No		]					
If yes please enter details	s in table 1 below							1					
Did your site have any rej	jected consignments of waste in the currer	nt reporting year? If yes please gi	ve a brief explanation in th	e additional information		No							
	vaste accepted onto your site that was ger f waste accepted onto your s					e. as these wi	l II have been re	」 ported in vour PR	TR workbook)				
Licenced annual	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 -	1	
tonnage limit for your site (total			accepted Please enter an	accepted in current reporting year (tonnes)	previous reporting year (tonnes)	Increase over previous year +/ -	reduction/ increase from previous	only applies if the waste has a packaging	treatment operation carried out at your site and the description	waste remaining on			
tonnes/annum)			accurate and detailed	, , , , , , , , , , , , , , , , , , , ,		%	reporting year	component	of this operation	site at the end			
			description - which applies to relevant EWC							of reporting year (tonnes)			
			code							, , ,			
	European Waste Catalogue EWC codes		European Waste Catalogue EWC codes										
All included in PRTR												1	
report													
SECTION C-TO BE C	OMPLETED BY ALL WASTE FACIL	JTIES (waste transfer stat	ions, Composters, M	laterial recovery fac	ilities etc) EXCEPT LANDFILL SI	TES						]	
	OMPLETED BY ALL WASTE FACIL frastructure as required by your licence and		•	•		<b>TES</b> Yes				]			
Is all waste processing infi		d approved by the Agency in plac	e? If no please list waste pi	rocessing infrastructure re	equired onsite					]		J	
Is all waste processing infi	frastructure as required by your licence and a	d approved by the Agency in plac	e? If no please list waste pi	rocessing infrastructure re	equired onsite								
Is all waste processing infi Is all waste storage infrast Does your facility have rei Do you have an odour ma	frastructure as required by your licence and structure as required by your licence and a elevant nuisance controls in place? anagement system in place for your facility	d approved by the Agency in place?	e? If no please list waste pi	rocessing infrastructure re	equired onsite								
Is all waste processing infi Is all waste storage infrast Does your facility have re Do you have an odour m Do you maintain a sludge	frastructure as required by your licence and structure as required by your licence and a elevant nuisance controls in place? anagement system in place for your facility e register on site?	d approved by the Agency in place?  pproved by the Agency in place?	e? If no please list waste pi	rocessing infrastructure re	equired onsite								
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Is all waste processing infrasi Is all waste storage infrasi Does your facility have re Do you have an odour ma Do you maintain a sludge SECTION D-TO BE C Table 2 Waste type	frastructure as required by your licence and approximate as required by your licence and approximate as required by your licence and approximate an approximate as required by leave the register on site?  **COMPLETED BY LANDFILL SITES Complete and tonnage-landfill only	d approved by the Agency in place?  pproved by the Agency in place?  y? If no why?  DNLY	e? If no please list waste pi If no please list waste stora	rocessing infrastructure re	equired onsite								
Is all waste processing infinition in the state of the st	frastructure as required by your licence and application of the structure as required by your licence and application of the structure as required by your licence and application of the structure as required by an application of the structure o	d approved by the Agency in place?  pproved by the Agency in place?  y? If no why?  NLY  Actual intake for disposal in	e? If no please list waste pi If no please list waste stora	rocessing infrastructure re age infrastructure required	equired onsite								
Is all waste processing infinition in the state of the st	frastructure as required by your licence and application of the structure as required by your licence and application of the structure as required by your licence and application of the structure as required by an application of the structure o	d approved by the Agency in place?  pproved by the Agency in place?  y? If no why?  NLY  Actual intake for disposal in	e? If no please list waste pi If no please list waste stora	rocessing infrastructure re age infrastructure required	equired onsite								
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Is all waste processing infi Is all waste storage infrast Does your facility have re Do you have an odour me Do you maintain a sludge SECTION D-TO BE CO Table 2 Waste type  Waste types permitted for disposal  Table 3 General infi	frastructure as required by your licence and applevant nuisance controls in place? anagement system in place for your facility register on site?  COMPLETED BY LANDFILL SITES Co. and tonnage-landfill only  Authorised/licenced annual intake for disposal (tpa)	d approved by the Agency in place?  pproved by the Agency in place?  y? If no why?  ONLY  Actual intake for disposal in reporting year (tpa)	e? If no please list waste pi if no please list waste stora  Remaining licensed capacity at end of reporting year (m3)	comments  Private or Public	equired onsite	Yes  Yes  Yes  No  Predicted date to	Licence permits	Is there a separate cell	Accepted asbestos in reporting		Lined disposal area occupied by	Unlined area	
Is all waste processing infi Is all waste storage infrast Does your facility have re Do you have an odour ma Do you maintain a sludge SECTION D-TO BE C Table 2 Waste type	frastructure as required by your licence and approximate tructure as required by your licence and apple tructure as required by your licence and apple to the series of th	d approved by the Agency in place?  pproved by the Agency in place?  y? If no why?  NLY  Actual intake for disposal in	e? If no please list waste pi If no please list waste stora	rocessing infrastructure required ge infrastructure required Comments	equired onsite	Yes Yes Yes Yes No	Licence permits asbestos	Is there a separate cell for asbestos?	Accepted asbestos in reporting year	area occupied by waste	area occupied by waste		
Is all waste processing infi Is all waste storage infrast Does your facility have re Do you have an odour me Do you maintain a sludge SECTION D-TO BE CO Table 2 Waste type  Waste types permitted for disposal  Table 3 General infi	frastructure as required by your licence and applevant nuisance controls in place? anagement system in place for your facility register on site?  COMPLETED BY LANDFILL SITES Co. and tonnage-landfill only  Authorised/licenced annual intake for disposal (tpa)	d approved by the Agency in place?  pproved by the Agency in place?  y? If no why?  ONLY  Actual intake for disposal in reporting year (tpa)	e? If no please list waste pi if no please list waste stora  Remaining licensed capacity at end of reporting year (m3)	comments  Private or Public	equired onsite	Yes  Yes  Yes  No  Predicted date to				area occupied by waste	area occupied by	Unlined area SELECT UNIT	Commen liner ty

WASTE SUMMARY

WASTE SUMMARY

Table 4 Environme	ntal monitoring-landfill only	Landfill Manual-Monitoring Stan	dards					
Was meterological								
monitoring in							Has the statement	1
compliance with			Was SW monitored in			Was topography	under S53(A)(5) of	
Landfill Directive (LD)		Was Landfill Gas monitored in	compliance with LD			of the site	WMA been	1
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	surveyed in	submitted in	
year +	with LD standard in reporting year	reporting year	year	been established	the Agency (ELVs)	reporting year	reporting year	Comments

. + please refer to Landfill Manual linked above for relevant Landfill Directive monitoring standards Table 5 Capping-Landfill only

Area uncapped*	Area with temporary cap			Area with 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

\*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

Yes
No

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

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
				Capping is effective as there were no fugitive emissions noted.