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 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.

		Clonbullogue Ash Repository	Cloncreen Clonbullogue Co Offaly	3821	3.1	259444, 225189
2015	W0049-02					

The facility is licensed to accept 70,000 tonnes per annum of bottom and fly ash generated from the combustion delivered and placed in the site. This was made up of 2,068 tonnes of bottom ash and 22,301 tonnes of fly ash. compliant. Cell 2 was successfully capped as per the submitted SEW with Cell 3A also in progress. The leachate compliances which related to an elevated dust result at DM-01. The Agency was informed through the ALDER development was ongoing during the reporting period, works consisting of general preparatory earthworks. portal at the time. In relation to all remaining site monitoring and laboratory analysis, all results were fully of Peat/Biomass/MBM at Edenderry Power Ltd. In the reporting year a total of 24,369 tonnes of ash was There were no complaints of an environmental nature during the reporting period. There was 1 non management works as submitted were 90% complete at the end of the reporting period. Future cell

Declaration:

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

Signature
Signature
Group/Facility manager
(or nominated, suitably qualified and experienced deputy)

previous

applicable Reported to

the Agency ref

year if

Annual mass

Method of analysis load (kg)

VDI2199 BLATT 2/Pa NA

SELECT

SELECT

SELECT

	AIR-summary template	Lic No:	#REF!	Year	#REF!	
	Answer all questions and complete all tables where relevant					
1	Does your site have licensed air emissions? If yes please complete table A1 and A2 below for the current reporting year and answer further questions. If you do not have licenced emissions and do not complete a solvent management plan (table A4 and A5) you do not need to complete the tables	No	Fugitive Dust Mo	Additional information nitoring. Results entered in Table A2 as nstructed by the Agency		
	Periodic/Non-Continuous Monitoring					
2	Are there any results in breach of licence requirements? If yes please provide brief details in the comment section o TableA1 below	f Yes				
3	Was all monitoring carried out in accordance with EPA guidance note AG2 and using the basic air monitoring checklist? Basic air monitoring monitoring checklist? checklist AGN2	Yes				
	Table A1: Licensed Mass Emissions/Ambient data-periodic monitoring (non-continuous)					
					Comments - reason for change in % mass load	

Compliant with

licence limit

enter details in

comments box)

SELECT

SELECT

SELECT

Unit of

measurement

mg/m2/day

SELECT

SELECT

SELECT

Measured value

1260

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

Total Particulates

SELECT

SELECT

Parameter/ Substance Frequency of Monitoring

Emission

DM-01

reference no:

ELV in licence or

No single result >

Licence Compliance criteria

100 % of values < ELV

SELECT

SELECT

SELECT

any revision

therof

28 - 32 Day intervals

AIR-summary template	Lic No:	#REF!	Year	#REF!
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 Table A2: Summary of average emissions -continuous monitoring	No			

Surviving Department of Surviv

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								
		350 mg/m2/day	140			1597	1260	0	1	EPA
										ref:INCI0081
DM-01	Total Particulates			Daily average < ELV	mg/m2/day					37
DM-02	Total Particulates	350 mg/m2/day	140	Daily average < ELV	mg/m2/day	534	167	0	0	
DM-03	Total Particulates	350 mg/m2/day	140	Daily average < ELV	mg/m2/day	318	83	0	0	
DM-04	Total Particulates	350 mg/m2/day	140	Daily average < ELV	mg/m2/day	405	172	0	0	
	SELECT				SELECT					

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

Table A3: Abatement system bypass reporting table

Bypass protocol

Date*	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

•	IR-summary t	template				Lic No:	#REF!		Year	#REF!
	un-summary t	template				LIC NO:	#KEF!		Tear	#KEF!
	Solvent	use and manageme	nt on site							
									I	
D	o you have a total	l Emission Limit Value of di	irect and fugitive emis	ssions on site? if yes	please fill out tables A4 and A5					
								No		
T	able A4: Solve	ent Management Pla	n Summary	<u>Solvent</u>	Please refer to linked solver					
T	otal VOC Emi	ssion limit value		regulations	complete table 5	and 6				
L										
	Reporting year	Total solvent input on	Total VOC	Total VOC		Compliance				
		site (kg)	emissions to Air from entire site	emissions as %of solvent input	Total Emission Limit Value					
			(direct and fugitive)		(ELV) in licence or any revision					
					therof					
						SELECT				
Γ						SELECT				
	Table A5:	Solvent Mass Balanc	ce summary				_			
r										
		(I) Inputs (kg)			(O)	Outputs (kg)				
	Solvent	(I) Inputs (kg)	Organic solvent			Fugitive Organic	Solvent released	Solvents destroyed		
L		(i) iliputs (kg)	emission in waste	water (kg)		Solvent (kg)	in other ways e.g.	onsite through	Solvent to air (kg)	
T										
_		I	ı	ı	I	I	I	Total		
								Total		

AER Monito	ring returns su	mmary template-W	ATER/WASTEW	ATER(SEWER		Lic No:	#REF!		Year	#REF!
please com further questi Was it a requi discharges or	plete table W2 ar ons. If you do not W1 and or W2 for irement of your lic watercourses on	missions direct to surface Id W3 below for the curu- have licenced emissions storm water analysis ar- tence to carry out visual or near your site? If yes ence of contamination ne	rent reporting yea s you <u>only</u> need to nd visual inspection inspections on an please complete t	or and answer complete table ons y surface water table W2 below	Yes	, v	Additional information s are attached seperately as advise s are attached seperately as advise s are attached seperately as advise	·		
Table	W1 Storm wat	er 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	
		ne Agency outside of licence spections-Please onl		where contan	nination was ol	bserved.				
Location Reference	Date of inspection		Description of cont	amination		Source of contamination	Corrective acti	on	Comm	ents
	result in breach of	er and /or wastewat	es please provide br			uous)	<u> </u>			
	itoring carried out in	n accordance with EPA y of Aqueous Monitoring			110					

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

						ELV or trigger values in licence or							Procedural		
Emission	Emission	Parameter/		Frequency of		any revision			Unit of	Compliant with		Procedural	reference	Annual mass load	i e
reference no:	released to	SubstanceNote 1	Type of sample	monitoring	Averaging period	therof ^{Note 2}	Licence Compliance criteria	Measured value	measurement	licence	Method of analysis	reference source	standard number	(kg)	Comments
															1
															i .

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

Data Reported to the EPA? If no please detail what areas
4 require improvement in additional information box
checklist

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

Assessment of results checklist Yes

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)		Lic No:	#REF!	Year	#REF!
Continuous monitoring 5 Does your site carry out continuous emissions to water/sewer monitoring?	No		Additional Information		
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 table W4 below	NA				
7 Do you have a proactive service contract for each piece of continuous monitoring equipment on site?	NA				
8 Did abatement system bypass occur during the reporting year? If yes please complete table W5 below	NA				
Table W4: Summary of average emissions -continuous monitoring					

Emission	Emission		ELV or trigger values in licence or any revision	Averaging	Compliance		Annual Emission for current	Monitoring Equipment	Number of ELV 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: Volumetric flow shall be included as a reportable parameter.

Table W5: Abatement system bypass reporting table

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

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

Integrity reports retest(if d/Containment Integrity test failure Int	Bund/Pipeline te	sting template				Lic No:	#REF!		Year	#REF!					
The best best below, and a best of a book growth of the contractive and the contractiv	Bund testing		dropdown menu clic	ck to see options				Additional information							
we do the total before designed authority and product production product or common control or contr	Are you required by yo	our licence to undertake i	ntegrity testing on bunds and cont	tainment structures ? if yes	please fill out table B1 belo	ow listing all new bunds									
Security in stands of security floating of security floating of security floating se						mobile bunds must be									
Table 15 Servines (region terror (recovery composed) geoletic (footing commutator and foot), Trains, sump and constainers? (constainers reform to the constrainers region to the constant and the regioned sear challable) 1 A	sted in the table belo	ow, please include all bun	ds outside the licenced testing pe	riod (mobile bunds and cher	nstore included)		Yes								
Table 1, Junney design of both and contribution that should be contributed with the regulated last clashed 27 and 18 and	lease provide integri	ty testing frequency perio	d												
See the content of th			erground pipelines (including stor	mwater and foul), Tanks, sur	mps and containers? (cont	ainers refers to									
Fig. 1. Special section and se							Yes								
The includes based are used 207 When the based are scheduled? When the based are scheduled? M. When the based are scheduled? When the based are schedu								0							
The face of the state in clarical control and the state of the state o	low many of these bu	unds have been tested wit	hin the required test schedule?				NA	This is also done become because to seeke d							
The Bi-Sommary detained by the color black in the board of state delation of the state of the st	low many mobile bur	nds are on site?													
And the property part of the p			schedule?				No	y within lock up container							
Interpretation compose integrity tested within the state Sample of the later aurage integrity test and spread of t				dule?			NA								
Sel fat any summy integrity failures to bial 81 (any sum of administration which placed (lapid allows) and control which placed (lapid allows) and control which the selection of the the selection o	ow many sumps on s	site are included in the int	egrity test schedule?												
It camps and cambors have high level legislar daments of the Outst are three failing systems included in a mainterance and testing programme? Table 81: Summary details of part frozens froze							NA								
Table 81: Summary details of board (portainment structure integrity test grapheness) ### A SULCT Table 81: Summary details of board (portainment structure integrity test A SULCT									Т						
Fig. 81 Summary details of bond Containment structure integrity test Table 81 Summary details of bond Containment structure integrity test Section Type				Common Common											
Table 81: Summary details of band (containment structure integrity test Containment Containment				ogramme:											
## Special Containment ## Spe	the fire water nete		ar integrity test programme.				SEEECT		1						
Actual capacity Type Specify Other type Product containment Actual capacity Commentary SULCT	Tab	ble B1: Summary details of	bund /containment structure into	egrity test											
Accordance of Containment of Contain															
Actual capacity Actual															
## Agoustiment Specify Other type specify Other type product containment Actual capacity Capacity required* Type of integrity test Other test type Test date Size Si															Results o
SUECT										Integrity reports					retest(if
SLECT	Bund/Containment														
SELECT SE	tructure ID	Туре	Specify Other type	Product containment	Actual capacity	Capacity required*		Other test type						for retest	reporting
Annexis representation of the control of the contro															-
whitegrify testing been carried out in accordance with licence requirements and are all structures tested with 18800/1946 (undere? bundan and alarage apidelines SELECT SELECT SELECT STRUCT SELECT SELECT SELECT SELECT SELECT SELECT STRUCT SELECT		SELECT													
SELECT	Canacity required should com	only with 25% or 110% containment of	ule as detailed in your linears		1		SEEECI	Commentany		DEEEC !	SEEECI		SEEEO		
Pipeline/underground structure testing you required by your licence to underdake integrity testing* on underground structures e.g. pipelines or sumps etc? if yes please fill out table 2 below listing anderground structures and pipelines on site which failed the integrity test and all which have not been tested withing the integrity test period as specified se provide integrity testing frequency period ase note integrity testing means water tightness testing for process and foul pipelines (as required under your licence) Table 82: Summary details of pipeline/underground structures integrity test Type of secondary containment Dees this structure have Structure ID Type system Material of construction: SELECT SEL	Capacity required should com Has integrity testing b	pply with 25% or 110% containment r seen carried out in accorda	ule as detailed in your licence ance with licence requirements an	nd are all structures tested			SEECI	Commentary	T	J.C.C.	SEECI		Jane 1		ļ
Pipeline/underground structure testing 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 deground structures and pipelines on site which failed the integrity test and all which have not been tested withing the integrity test period as specified see provide integrity testing frequency period as enote integrity testing integrity testing integrity testing integrity testing integrity testing failure explanation Corrective action Scheduled date and for retest failure explanation Corrective action Scheduled date and for retest failure explanation Corrective action Scheduled date (Scheduled	Has integrity testing b n line with BS8007/EF	peen carried out in accorda PA Guidance?	ance with licence requirements an	nd are all structures tested	bunding and storage guide	lines_	SELECT	Commentary		Jacce of the same	JEEC!	1	Jacob Company of the	1	
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 according tructures and pipelines on site which failed the integrity test and all which have not been tested withing the integrity test period as specified as periodic integrity testing frequency period as en provide integrity testing means water tightness testing for process and foul pipelines (as required under your licence) Table B2: Summary details of pipeline/underground structures integrity test Type of secondary containment Type of secondary containment Does this structure have Secondary containment? Structure ID Type system Material of construction: Secondary containment? SELECT SEL	las integrity testing b n line with BS8007/EF Are channels/transfer	peen carried out in accorda PA Guidance? systems to remote contal	nnce with licence requirements an nment systems tested?		bunding and storage guide	lines.	SELECT SELECT	Commentary		Jacob	perci		Jacob Control of the		1
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 according tructures and pipelines on site which failed the integrity test and all which have not been tested withing the integrity test period as specified as periodic integrity testing frequency period as en provide integrity testing means water tightness testing for process and foul pipelines (as required under your licence) Table B2: Summary details of pipeline/underground structures integrity test Type of secondary containment Type of secondary containment Does this structure have Secondary containment? Structure ID Type system Material of construction: Secondary containment? SELECT SEL	Has integrity testing b n line with BS8007/EF Are channels/transfer	peen carried out in accorda PA Guidance? systems to remote contal	nnce with licence requirements an nment systems tested?		bunding and storage guide	lines	SELECT SELECT	Commentary		PELLET	petter		pecci		
Integrity testing frequency period see provide integrity testing frequency period as epocified integrity testing frequency period as end integrity testing means water tightness testing for process and foul pipelines (as required under your licence) Table 82: Summary details of pipeline/underground structures integrity test Type of secondary containment Does this structure have Structure ID Type system Material of construction: Secondary containment? Structure ID 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	Has integrity testing b n line with BS8007/EF Are channels/transfer	peen carried out in accorda PA Guidance? systems to remote contal	nnce with licence requirements an nment systems tested?		bunding and storage guide	llines	SELECT SELECT	Commentary		perce.	petter		Jace C.		
Integrity testing frequency period see provide integrity testing frequency period as epocified integrity testing frequency period as end integrity testing means water tightness testing for process and foul pipelines (as required under your licence) Table 82: Summary details of pipeline/underground structures integrity test Type of secondary containment Does this structure have Structure ID Type system Material of construction: Secondary containment? Structure ID 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	Has integrity testing b in line with BS8007/EF Are channels/transfer Are channels/transfer	peen carried out in accorda PA Guidance? r systems to remote conta r systems compliant in bot	nnce with licence requirements an nment systems tested?		bunding and storage guide	llines	SELECT SELECT	Commentary		pecco	petter		Jacob V.		
SELECT Table 82: Summary details of pipeline/underground structures integrity test Type of secondary containment Underground structure in the secondary containment integrity resting maintained on site? Structure ID Type system Material of construction: Secondary containment? SELECT SELECT SELECT SELECT SELECT SELECT SELECT SELECT SELECT SELECT SELECT SELECT SELECT SELECT SELECT SELECT SELECT SELECT S	Has integrity testing b in line with BS8007/EF Are channels/transfer Are channels/transfer Pipeline/undergro	neen carried out in accord: PA Guidance? r systems to remote contai r systems compliant in bot ound structure testing	nnce with licence requirements an nment systems tested? h integrity and available volume?				SELECT SELECT SELECT	Commentary		Jacob Control of Contr	Secret.		Jacob T		
Table B2: Summary details of pipeline/underground structures integrity test Type of secondary containment Type of secondary containment Type of secondary containment Type system Material of construction: Secondary containment? Structure ID Type system Material of select SELECT SELECT SELECT SELECT SELECT SELECT SELECT SELECT SELECT SELECT SELECT SELECT SELECT SELECT SELECT SELECT SELECT SELECT SELECT	Has integrity testing b n line with BS8007/EF Are channels/transfer Are channels/transfer Pipeline/undergro	neen carried out in accord PA Guidance? • systems to remote conta • r systems compliant in bot ound structure testing our licence to undertake i	ance with licence requirements an nment systems tested? hintegrity and available volume?	structures e.g. pipelines or s	sumps etc ? if yes please fil	ll out table 2 below listing	SELECT SELECT SELECT	Commentary		Jacob I	Secret.		peace		
Table 82: Summary details of pipeline/underground structures integrity test Type of secondary containment Does this structure ID Type system Material of construction: Secondary containment? SELECT SELEC	las integrity testing b I line with BS8007/EF kre channels/transfer Are channels/transfer Pipeline/undergrow kre you required by yull underground struct	neen carried out in accord: PA Guidance? "systems to remote contar r systems compliant in bot ound structure testing our licence to undertake it tures and pipelines on site	nnce with licence requirements an nment systems tested? h integrity and available volume? Integrity testing* on underground which falled the integrity test an	structures e.g. pipelines or s	sumps etc ? if yes please fil	ll out table 2 below listing	SELECT SELECT SELECT SELECT	Commentary		Jacks V.	petet		Jacob		II.
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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) SELECT	Has integrity testing by in line with BS8007/EF Are channels/transfer Are channels/transfer Pipeline/undergre Are you required by yeall underground struct Please provide integrit *please note integrity	neen carried out in accord; PA Guidance? systems to remote conta r systems compilant in bot ound structure testing our licence to undertake i tures and pipelines on sit tly testing frequency perio testing means water tigh	nnce with licence requirements an nment systems tested? h integrity and available volume? I Integrity testing* on underground which failed the integrity test and d d d d d d d d d d d d d	structures e.g. pipelines or s nd all which have not been to pipelines (as required under	numps etc ? if yes please fil ested withing the integrity your licence)	ll out table 2 below listing	SELECT SELECT SELECT SELECT	Commentary		Jan. 6.	Jacon Company of the				
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Please use commentary for additional details not answered by tables/ questions above	Has integrity testing by inline with BSS007/EF Are channels/transfer Are channels/transfer Are channels/transfer Pipeline/undergrowth and the properties of	neen carried out in accord: AG Guidance? - systems to remote conta - systems compilant in bot - ound structure testing - our licence to undertake i - tures and pipelines on sit - ty testing frequency perio - ty testing frequency perio - ty testing means water tigh - B2: Summary details of p	nnce with licence requirements an nment systems tested? h integrity and available volume? tegrity testing* on underground which failed the integrity test an d mess testing for process and foul ipeline/underground structures ir Material of construction:	structures e.g. pipelines or s d all which have not been to pipelines (as required under ntegrity test Does this structure have Secondary containment?	numps etc ? if yes please fil ested withing the integrity your licence) Type of secondary containment	Il out table 2 below listing test period as specified	SELECT SELECT SELECT SELECT SELECT SELECT Integrity reports maintained on site?	Results of test	Integrity test	Corrective action	Scheduled date for retest	Results of retest(if in current reporting year)			
Please use commentary for additional details not answered by tables/ questions above	las integrity testing by inline with 858007/EF ve channels/transfer ver channels/transfer ver channels/transfer Pipeline/undergrever you required by yill underground structlease provide integrity please note integrity Table	neen carried out in accord; AG Guidance, systems to remote conta rystems compilant in bot ound structure testing our licence to undertake i tures and pipelines on sit ty testing frequency perio ty testing frequency perio	nnce with licence requirements an nment systems tested? h integrity and available volume? tegrity testing* on underground which failed the integrity test an d mess testing for process and foul ipeline/underground structures ir Material of construction:	structures e.g. pipelines or s d all which have not been to pipelines (as required under ntegrity test Does this structure have Secondary containment?	numps etc ? if yes please fil ested withing the integrity your licence) Type of secondary containment	Il out table 2 below listing test period as specified	SELECT SELECT SELECT SELECT SELECT SELECT Integrity reports maintained on site?	Results of test	Integrity test	Corrective action	Scheduled date for retest	Results of retest(if in current reporting year)			
Please use commentary for additional details not answered by tables/ questions above	ass integrity testing by intensity testing by the channels/transfer Are channels/transfer Are channels/transfer Pipeline/undergrowth of the channels/transfer Pipeline/undergrowth of the channels/transfer by the channels of	neen carried out in accord; AG Guidance, systems to remote conta rystems compilant in bot ound structure testing our licence to undertake i tures and pipelines on sit ty testing frequency perio ty testing frequency perio	nnce with licence requirements an nment systems tested? h integrity and available volume? tegrity testing* on underground which failed the integrity test an d mess testing for process and foul ipeline/underground structures ir Material of construction:	structures e.g. pipelines or s d all which have not been to pipelines (as required under ntegrity test Does this structure have Secondary containment?	numps etc ? if yes please fil ested withing the integrity your licence) Type of secondary containment	Il out table 2 below listing test period as specified	SELECT SELECT SELECT SELECT SELECT SELECT Integrity reports maintained on site?	Results of test	Integrity test	Corrective action	Scheduled date for retest	Results of retest(if in current reporting year)			
Please use commentary for additional details not answered by tables/ questions above	las integrity testing by inline with 858007/EF re channels/transfer re channels/transfer Pipeline/undergrr re you required by y Il underground struct lease provide integrity please note integrity Table	neen carried out in accord; AG Guidance, systems to remote conta rystems compilant in bot ound structure testing our licence to undertake i tures and pipelines on sit ty testing frequency perio ty testing frequency perio	nnce with licence requirements an nment systems tested? h integrity and available volume? tegrity testing* on underground which failed the integrity test an d mess testing for process and foul ipeline/underground structures ir Material of construction:	structures e.g. pipelines or s d all which have not been to pipelines (as required under ntegrity test Does this structure have Secondary containment?	numps etc ? if yes please fil ested withing the integrity your licence) Type of secondary containment	Il out table 2 below listing test period as specified	SELECT SELECT SELECT SELECT SELECT SELECT Integrity reports maintained on site?	Results of test	Integrity test	Corrective action	Scheduled date for retest	Results of retest(if in current reporting year)			
Please use commentary for additional details not answered by tables/ questions above	las integrity testing by inline with 858007/EF ve channels/transfer ver channels/transfer ver channels/transfer Pipeline/undergrever you required by yill underground structlease provide integrity please note integrity Table	neen carried out in accord; AG Guidance, systems to remote conta rystems compilant in bot ound structure testing our licence to undertake i tures and pipelines on sit ty testing frequency perio ty testing frequency perio	nnce with licence requirements an nment systems tested? h integrity and available volume? tegrity testing* on underground which failed the integrity test an d mess testing for process and foul ipeline/underground structures ir Material of construction:	structures e.g. pipelines or s d all which have not been to pipelines (as required under ntegrity test Does this structure have Secondary containment?	numps etc ? If yes please fil ested withing the integrity your licence) Type of secondary containment	Il out table 2 below listing test period as specified	SELECT SELECT SELECT SELECT SELECT SELECT Integrity reports maintained on site?	Results of test	Integrity test	Corrective action	Scheduled date for retest	Results of retest(if in current reporting year)			
Please use commentary for additional details not answered by tables/ questions above	las integrity testing by inline with 858007/EF ve channels/transfer ver channels/transfer ver channels/transfer Pipeline/undergrever you required by yill underground structlease provide integrity please note integrity Table	neen carried out in accord; AG Guidance, systems to remote conta rystems compilant in bot ound structure testing our licence to undertake i tures and pipelines on sit ty testing frequency perio ty testing frequency perio	nnce with licence requirements an nment systems tested? h integrity and available volume? tegrity testing* on underground which failed the integrity test an d mess testing for process and foul ipeline/underground structures ir Material of construction:	structures e.g. pipelines or s d all which have not been to pipelines (as required under ntegrity test Does this structure have Secondary containment?	numps etc ? If yes please fil ested withing the integrity your licence) Type of secondary containment	Il out table 2 below listing test period as specified	SELECT SELECT SELECT SELECT SELECT SELECT Integrity reports maintained on site?	Results of test	Integrity test	Corrective action	Scheduled date for retest	Results of retest(if in current reporting year)			1
	las integrity testing by inline with 858007/EF ve channels/transfer ver channels/transfer ver channels/transfer Pipeline/undergrever you required by yill underground structlease provide integrity please note integrity Table	neen carried out in accord; AG Guidance, systems to remote conta rystems compilant in bot ound structure testing our licence to undertake i tures and pipelines on sit ty testing frequency perio ty testing frequency perio	nnce with licence requirements an nment systems tested? h integrity and available volume? Integrity testing* on underground which failed the integrity test an d mess testing for process and foul ipeline/underground structures ir Material of construction: SELECT	structures e.g. pipelines or s d all which have not been te pipelines (as required under ntegrity test Does this structure have Secondary containment? SELECT	Type of secondary containment	Il out table 2 below listing test period as specified Type integrity testing SELECT	SELECT SELECT SELECT SELECT SELECT SELECT Integrity reports maintained on site?	Results of test	Integrity test	Corrective action	Scheduled date for retest	Results of retest(if in current reporting year)			
	las integrity testing by inline with 858007/EF ve channels/transfer ver channels/transfer ver channels/transfer Pipeline/undergrever you required by yill underground structlease provide integrity please note integrity Table	neen carried out in accord; AG Guidance, systems to remote conta rystems compilant in bot ound structure testing our licence to undertake i tures and pipelines on sit ty testing frequency perio ty testing frequency perio	nnce with licence requirements an nment systems tested? h integrity and available volume? Integrity testing* on underground which failed the integrity test an d mess testing for process and foul ipeline/underground structures ir Material of construction: SELECT	structures e.g. pipelines or s d all which have not been te pipelines (as required under ntegrity test Does this structure have Secondary containment? SELECT	Type of secondary containment	Il out table 2 below listing test period as specified Type integrity testing SELECT	SELECT SELECT SELECT SELECT SELECT SELECT Integrity reports maintained on site?	Results of test	Integrity test	Corrective action	Scheduled date for retest	Results of retest(if in current reporting year)			
	as integrity testing by iline with 85007/EF re channels/transfer re channels/transfer re channels/transfer Pipeline/undergrer pyou required by yell underground struct lease provide integrity please note integrity Table	neen carried out in accord; AG Guidance, systems to remote conta rystems compilant in bot ound structure testing our licence to undertake i tures and pipelines on sit ty testing frequency perio ty testing frequency perio	nnce with licence requirements an nment systems tested? h integrity and available volume? Integrity testing* on underground which failed the integrity test an d mess testing for process and foul ipeline/underground structures ir Material of construction: SELECT	structures e.g. pipelines or s d all which have not been te pipelines (as required under ntegrity test Does this structure have Secondary containment? SELECT	Type of secondary containment	Il out table 2 below listing test period as specified Type integrity testing SELECT	SELECT SELECT SELECT SELECT SELECT SELECT Integrity reports maintained on site?	Results of test	Integrity test	Corrective action	Scheduled date for retest	Results of retest(if in current reporting year)			
	as integrity testing by inline with BS007/EF re channels/transfer re channels/transfer Pipeline/undergrr re you required by y I underground struct lease provide integrity Table	neen carried out in accord; AG Guidance, systems to remote conta rystems compilant in bot ound structure testing our licence to undertake i tures and pipelines on sit ty testing frequency perio ty testing frequency perio	nnce with licence requirements an nment systems tested? h integrity and available volume? Integrity testing* on underground which failed the integrity test an d mess testing for process and foul ipeline/underground structures ir Material of construction: SELECT	structures e.g. pipelines or s d all which have not been te pipelines (as required under ntegrity test Does this structure have Secondary containment? SELECT	Type of secondary containment	Il out table 2 below listing test period as specified Type integrity testing SELECT	SELECT SELECT SELECT SELECT SELECT SELECT Integrity reports maintained on site?	Results of test	Integrity test	Corrective action	Scheduled date for retest	Results of retest(if in current reporting year)			

Groundwater/Soil monitoring template Lic No: #REF! Year #REF!

Comments

	Comments	
yes	Monitoring results are attached seperately as advised by the EPA	Please provide an interpretation of groundwater monitoring data in the
no		interpretation box below or if you require additional space please
no		include a groundwater/contaminated land monitoring results interpretaion as an additional section in this AER
no		
no		
NA		
NA		
yes		
yes		
no		
yes		
no		Please enter interpretation of data here
	no no no NA NA yes yes no yes	Monitoring results are attached seperately as advised by the EPA no no no NA NA yes yes no yes

Table 1: Upgradient Groundwater monitoring results

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

^{.+} 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

Table 2.	Downgraule	int Grounds	vater monit	ing 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
							SELECT			SELECT
							SELECT			SELECT

Groundwater/Soil monitoring template	Lic No:	#REF!	Ye	ear	#REF!		
*please note exceedance of generic assessment criteria (GAC) such as a results for a substance indicates that further interpretation of monitoring Monitoring Guideline Template Report at the link provided and substance	esults is required. In addition	n to completing the above table, pleas	se complete the Groundwater	Grou	ndwater monitor	ring template	
More information on the use of soil and groundwater standards/ generic as criteria (GAC) and risk assessment tools is available in the EPA published gu (see the link in G31)		ance on the Management of Cont	aminated Land and Groundwat	ter at EPA	Licensed Sites (El	PA 2013).	
**Depending on location of the site and proximity to other sensitive recele.g. if the site is close to surface water compare to Surface Water Environm the Dri		EQS), If the site is close to a drinking v	vater supply compare results to	<u>Surface</u> vater EQS	regulations	Drinking water (private supply) standards	Drinking water (public supply) standards

Groundwater/Soil monitoring template Lic No: #REF! Year #REF!

Table 3: Soil results

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

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

Environmental Liabilities template Lic No: #REF! Year #REF!

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

			Commentary
		Submitted and agreed by EPA	
1	ELRA initial agreement status		
	·		
2	ELRA review status	Review required and completed	
3	Amount of Financial Provision cover required as determined by the latest ELRA	€579,246	
4	Financial Provision for ELRA status	Submitted and not agreed by EPA;	
5	Financial Provision for ELRA - amount of cover	€579,246	
_	Florest Decision for FLDA 1 and	Other classes and if	200
6	Financial Provision for ELRA - type	Other please specify	PCG
7	Financial provision for ELRA expiry date	Yet to be agreed	
8	Closure plan initial agreement status	Closure plan submitted and agreed by EPA	
Ü	ciosare pion inicial agreement status		
9	Closure plan review status	Review required and completed	
10	Financial Provision for Closure status	Submitted and not agreed by EPA;	
11	Financial Provision for Closure - amount of cover	€2,409,326	
12	Financial Provision for Closure - type	bond	
13	Financial provision for Closure expiry date	Yet to be agreed	

#REF!

	Environmental Management Programme/Continuous Improvement Programm	e template	Lic No:	#REF!	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			
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	Unacreddited internal EM	S	

Environmental Management Programme	(EMP) report				
Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes
Additional improvements	Conduct all operations on site in accordance	70	All site operations were carried out in compliance	Individual	Increased compliance with licence conditions
	with the schedules and conditions of the waste licence and also in conjunction with the restoration and aftercare programme		with licence conditions. There was however 1 non- compliance in relation to dust at DM-01.		
Materials Handling/Storage/Bunding	Future cell development	60	Construction works took place at cell 5. This work comprised of stripping back the cell floor to formation level and the formation of cell embankments with the material.	Section Head	Installation of infrastructure
Reduction of emissions to Water	Improved capping system	90	Cell 2 was fully recapped to the specification submitted.Initial observations would suggest this was successful.It is a priority to complete the recapping of Cell 3A in the 2016 reporting year.	Section Head	Reduced emissions

Environmental Management Pro	gramme/Continuous im	provement Programm	ie tempiate	Lic No:	#REF!	Year	#RE
Additional improvements	Leachate Management	80	An improved Leachate	Individual	Increased compliance with		
	Plan		management system is		licence conditions		
			currently in operation. This				
			allows for better leachate				
			management.				
			-				
Materials Handling/Storage/Bunding	Alternative	70	The viability of alternative	Section Head	Improved Environmental		
	Ash/Leachate use		uses for both ash and		Management Practices		
			leachate is ongoing.				

	N	oise monitor	ing summary	report			Lic No:	#REF!	Year	#REF!	
		ce requirement to		od?				No	1		_
Was noise m "Checklist for	is noise monitoring carried out using the EPA Guidance note, including completion of the necklist for noise measurement report" included in the guidance note as table 6? es your site have a noise reduction plan leen was the noise reduction plan last updated? Have there been changes relevant to site noise emissions (e.g. plant or operational chan noise survey?					of the	Noise Guidance note NG4	NA NA			
		•						Enter date			
Have there	been changes r	elevant to site no			perational o	changes) sin	ce the last	No			
			noise sui vey			_			_		
Table N1: No	oise monitoring	summary						1	1		
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> comp noise I (day/evenii
								SELECT	SELECT		SELE
*Please ensure th	at a tonal analysis has	been carried out as pe	er guidance note NG4.	These records mu	st be maintaine	d onsite for futu	re inspection				
	,		0								-
	If nois	se limits exceede	d as a result of n	oise attribut	ted to site a	ctivities. ple	ase choose th	ne corrective action fro	om the following options?	SELECT	

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

Resource	Usage/Ene	rgy efficiency summary	

Lic No:

#REF!

Enter date of audit

Year

Additional information

#REF!

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

SEAI - Large Industry Energy Network (LIEN)

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

such as the SEAI programme linked to the right? If yes please list them in additional information

Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in additional information

Network (LIEN)	Yes	
tate percentage		

Table R1 Energy usag	e on site	1		
Energy Use	Previous year	Current year	compared to previous	Energy Consumption +/- % vs overall site production*
Total Energy Used (MWHrs)	1772.382	2013.697	, ,,	-17
Total Energy Generated (MWHrs)				
Total Renewable Energy Generated (MWHrs)			
Electricity Consumption (MWHrs)	2	2	0	0
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)				
Light Fuel Oil (m3)	174.096	198.023	13	-17
Natural gas (m3)				
Coal/Solid fuel (metric tonnes)				
Peat (metric tonnes)				
Renewable Biomass				
Renewable energy generated on site				

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

** where site production information is available please enter percentage increase or decrease compared to previous year

Table R2 Water usag	e on site]	·		Water Emissions	Water Consumption	
	Water extracted		Production +/- % compared to previous	consumption if it	Volume Discharged	Volume used i.e not discharged to environment e.g. released as steam	
Water use	Previous year m3/yr.	Current year m3/yr.	reporting year**	production*	environment(m ³ yr):	m3/yr	Unaccounted for Water:
Groundwater							
Surface water							
Public supply							
Recycled water							
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	Summary				
	Total	Landfill	Incineration	Recycled	Other
Hazardous (Tonnes)	0	0	0	0	0
Non-Hazardous (Tonnes)	1.606	1.606	0	0	0

Resource	e Usage/Energy efficiency sur	nmary			Lic No:	#REF!		Year	#REF!
	Table R4: Energy Au	dit finding recommenda	tions						
Ì	Date of audit		Description of Measures proposed		Predicted energy savings %	Implementation date	Responsibility		Status and comments
				SELECT					
				SELECT					
				SELECT					

Table R5: Power Generation: Where po	wer is generated onsite (e.g. power genera	tion 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	n Site				

Complaints and Incidents summary template		Lic No:	#REF!	Year	#REF!	
Complaints						
		Additional informa	ition			
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	C)					
Total new		1					
complaints							
received during							
reporting year	C)					
Total complaints		1					
closed during							
reporting year	C)					
Balance of							
complaints end of							
reporting year	0)					

_		Additional informati		
Have any incidents occurred on site in the current reporting year?				
year in Table 2 below			Yes	
		•		
*5:				
*For information on how to report and what				
constitutos an incident What is an	incident			

incidents previous year % reduction/ increase

Table 2 Incidents sur	mmary													
			Incident			Other	Activity in				Preventative		,	
			category*please refer to			cause(please	progress at time			Corrective action<20	action <20		Resolution	Likelihood of
Date of occurrence	Incident nature	Location of occurrence	guidance	Receptor	Cause of incident	specify)	of incident	Communication	Occurrence	words	words	Resolution status	date	reoccurence
19/05/2015	Breach of ELV	DM-01	1. Minor	Air	Other (add	Debris from an	Normal activities	EPA INCI008137	New	Personnel have been	Personnel	Complete	19/06/2015	Low
					details)	excavator				told to be more	reminded of		·	
						working near the				careful when	their duties		·	
						dust monitoring				operating near	and to take		·	
						point fell into the				monitoring points.	more care		·	
						gauge.					when		· '	
											discharging		·	
											their duties			
Total number of														
incidents current														
year														
Total number of														

tonnage limit for your accepted accepted in previous Increase over reduction/increase only applies if the treatment operation carried out waste remaining	
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 yes Yes No 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 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 EWC code Source of waste accepted Source of waste accepted onto your site for recovery or Quantity of waste accepted in previous Increase over reduction/increase over reduction/increase only applies if the treatment operation carried out waste remaining to the reatment operation carrie	
Additional Information Were any wastes <u>accepted onto</u> your site for recovery or disposal or treatment prior to recovery or disposal within the boundaries of your facility?; (waste generated within your yes fyes please enter details in table 1 below 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 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 EWC code Source of waste accepted Source of waste accepted onto your site for recovery or quantity of waste accepted in current accepted in previous Increase over Increase over reduction/ increase over	
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 yes) If yes please enter details in table 1 below Oid your site have any rejected consignments of waste in the current reporting year? If yes please give a brief explanation in the additional information 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 EWC code Source of waste accepted on 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 EWC code Source of waste accepted on 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 EWC code Source of waste accepted in your province accepted in your province accepted in previous increase over reduction/ increase over reduction/ increase only applies if the treatment operation carried out waste remaining in the province of the previous increase over reduction/ increase over reduction/ increase only applies if the treatment operation carried out waste remaining in the province of the previous increase over reduction/ incre	
f yes please enter details in table 1 below 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 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 EWC code Source of waste accepted on your site for recovery of Quantity of waste accepted in previous Increase over reduction/increase over reduction/increase only applies if the treatment operation carried out waste remaining	
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 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 EWC code Source of waste accepted Outside the Republic of Ireland? If yes please state the quantity in tonnes in additional information No Licenced annual EWC code Source of waste accepted Quantity of waste accepted in current accepted in current accepted in current accepted in previous Increase over reduction/ increase over reduction/ increase only applies if the treatment operation carried out waste remaining	
Was waste accepted onto your site that was generated outside the Republic of Ireland? If yes please state the quantity in tonnes in additional information No No No No No No No No No	
Was waste accepted onto your site that was generated outside the Republic of Ireland? If yes please state the quantity in tonnes in additional information No No No No No No No No No	
Table 1 Details of waste accepted onto your site for recovery, disposal or treatment (do not include wastes generated at your site, as these will have been reported in your PRTR workbook) Licenced annual EWC code Source of waste accepted Description of waste accepted in current connage limit for your increase over Increas	
Licenced annual EWC code Source of waste accepted Description of waste accepted Increase over reduction/ increase over re	
tonnage limit for your accepted accepted in current accepted in previous Increase over reduction/increase only applies if the treatment operation carried out waste remaining	Comments -
	commence
site (total site (total tonnes/annum) Please enter an accurate and detailed accurate and detailed site (total tonnes/annum) Please enter an accurate and detailed reporting year (tonnes) reporting	
description - which year (tonnes)	
applies to relevant EWC code	
European Waste Catalogue EWC codes European Waste Catalogue EWC codes Catalogue EWC codes	
	ital tonnes
PROCESSES Untreated Wood. peat/biomass used dep	posited since
	00. Fly & ottom ash
0,000 100101 10-WASTES FROM THERMAL Bottom Ash 2068 2460 -1.6% More tonnes of NA D5- Specially engineered landfill	
PROCESSES peat/biomass used at Power Station	
SECTION C-TO BE COMPLETED BY ALL WASTE FACILITIES (waste transfer stations, Composters, Material recovery facilities etc) EXCEPT LANDFILL SITES	
s 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	
s 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	
Does your facility have relevant nuisance controls in place? N/A N/A N/A	
Do you maintain a sludge register on site?	
Table 2 Waste type and tonnage-landfill only	
Waste types permitted Authorised/licenced annual intake for Actual intake for disposal in capacity at end of	
Waste types permitted for disposal (tpa) Authorised/licenced annual intake for disposal in reporting year (tpa) Authorised/licenced annual intake for disposal in reporting year (tpa) Comments	
Waste types permitted for disposal (tpa) Authorised/licenced annual intake for disposal in reporting year (tpa) Remaining licensed capacity at end of reporting year (tpa) Comments	
Waste types permitted for disposal (tpa) Authorised/licenced annual intake for disposal in reporting year (tpa) Authorised/licenced annual intake for disposal in reporting year (tpa) Comments	
Waste types permitted for disposal for disposal (tpa) Waste types permitted for disposal (tpa) Towness Actual intake for disposal in reporting year (tpa) Towness Towness Towness	
Waste types permitted for disposal (tipa) intake for disposal in reporting year (tipa) reporting year (m3) Comments Fly &Bottom Ash 70,000 24,369 658,723 Tonnes Table 3 General information-Landfill only	
Table 2 Waste type and tonnage-landfill only Waste types permitted for disposal information-Landfill only Table 3 General information-Landfill only Table 3 General information-Landfill only	ned disposal ea occupied by Unlined area
Table 2 Waste type and tonnage-landfill only Waste types permitted for disposal for disposal in reporting year (tpa) Fig & Bottom Ash 70,000 24,369 Remaining licensed capacity at end of reporting year (m5) or reporting year (m5) 70,000 24,369 658,723 Tonnes Table 3 General information-Landfill only	ea occupied by Unlined area

Lic No:

#REF!

Year

#REF!

WASTE SUMMARY

	WASTE SUMMARY				Lic No:	#REF!		Year	#REF!				
· <u>-</u>	Clonbullogue Ash Reposi	Nov-00 Ongoing	Yes	Private	Inert		No	No	No	8.125	8.125	NA HDPE 8	0 CCI

WASTE SUMMARY					Lic No:	#REF!		Year
	ental monitoring-landfill only	Landfill Manual-Monitoring Stan	idards					
Was meterological								
monitoring in							Has the statement	
compliance with			Was SW monitored in			Was topography	under S53(A)(5) of	
Landfill Directive (LD)		Was Landfill Gas monitored in	compliance with LD		Were emission limit	of the site	WMA been	
standard in reporting	Was leachate monitored in compliance	compliance with LD standard in	standard in reporting	Have GW trigger levels	values agreed with the	surveyed in	submitted in	
year +	with LD standard in reporting year	reporting year	year	been established	Agency (ELVs)	reporting year	reporting year	Comments
ļ								The waste is not subject
Yes	Yes	NA	Yes	Yes	Yes	Yes	No	to a landfill levy

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

Table 5 Capping-Landfill only

**	Area with temporary cap SELECT UNIT	Area with final cap to LD Standard m2 ha, a	Area capped other	Area with waste that should be permanently capped to date under licence	What materials are used in the cap	Comments
					Capped as per licence	Agreed lining
					condition 10.3. 80/20	system on cells 1
2.175	1.335	NA	4.615	5.95	Peat/Subsoil	and 3b.

*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

No Yes #REF!

Volume of leachate in reporting year(m3)			Leachate (NH4) mass load (kg/annum)	Leachate (Chloride) mass load kg/annum		Specify type of leachate treatment	Comments
18421.2	n/a	702.17	5.027	n/a	18421200 litres	Dilution with SW	

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

	, =aa			
Gas Captured&Treated			Was surface emissions monitoring performed during the reporting	
by LFG System m3	Power generated (MW / KWh)	Used on-site or to national grid	year?	Comments
N/A			SELECT	

Monitoring Location: SW4

morning _countries critical					
Parameter	Date	25/02/2015	25/05/2015	17/09/2015	17/12/2015
Ammonia mg/l	Quarterly	0.27	0.09	0.02	0.49
COD (mg/l)	Quarterly	41	51	58	51
pH (pH units)	Quarterly	7.7	8.4	8.1	7.6
Total Suspended Solids (mg/l)	Quarterly	7	5	14	7

Monitoring Location: SW5

Monitoring Location: 5W5					
Parameter	Date	25/02/2015	03/06/2015	17/09/2015	17/12/2015
Ammonia mg/l	Quarterly	0.35	0.17	0.14	0.22
COD (mg/l)	Quarterly	75	44	49	73
pH (pH units)	Quarterly	7.7	7.9	7.9	7.6
Total Suspended Solids (mg/l)	Quarterly	19	5	5	10

Monitoring Location: SW6

mornioning Locationic City					
Parameter	Date	25/02/2015	03/06/2015	17/09/2015	17/12/2015
Ammonia mg/l	Quarterly	0.34	0.24	0.18	0.2
COD (mg/l)	Quarterly	55	37	46	49
pH (pH units)	Quarterly	7.7	7.9	8.4	7.6
Total Suspended Solids (mg/l)	Quarterly	16	5	5	12

Monitoring Location: SW7

wonitoring Location: 5w7					
Parameter	Date	25/02/2015	03/06/2015	17/09/2015	17/12/2015
Ammonia mg/l	Quarterly	0.11	1.1	0.18	0.29
COD (mg/l)	Quarterly	52	42	47	75
pH (pH units)	Quarterly	7.7	7.7	7.8	7.6
Suspended Solids (mg/l)	Quarterly	9	9	9	13

Monitoring Location. 0110					
Parameter	Date	25/02/2015	25/05/2015	17/09/2015	17/12/2015
Ammonia mg/l	Quarterly	0.19	0.08	0.03	0.41
COD (mg/l)	Quarterly	42	52	38	48
pH (pH units)	Quarterly	7.9	8.3	7.6	7.6
Suspended Solids (mg/l)	Quarterly	10	5	6	7

Parameter	Date	25/02/2015	25/05/2015	17/09/2015	17/12/2015
Ammonia mg/l	Quarterly	0.08	0.09	0.09	0.85
COD (mg/l)	Quarterly	43	53	22	62
pH (pH units)	Quarterly	7.6	7.9	8.1	7.5
Suspended Solids (mg/l)	Quarterly	6	8	5	26

CLONCREEN ASH REPOSITORY MONITORING RESULTS

Monitoring Location: LC1A

Parameter	Date	19/03/2015	09/07/2015	17/09/2015
COD (mg/l)	Bi-Annually	296		297
Amonical nitrogen (mg/l NH4-N)	Bi-Annually	7.7		6.2
Temperature (0C)	Bi-Annually	11.9		13.3
Electrical Conductivity (µS/cm)	Bi-Annually	10790		10700
pH (pH units)	Bi-Annually	12.36		12.19
Total oxidised nitrogen (mg/l)	Annually		0.2	
Boron	Annually		135	
Arsenic (μg/l)	Annually		56.5	
Silver (µg/I)	Annually		2	
Aluminium (µg/l)	Annually		91.5	
Berylium (µg/l)	Annually		1	
Barium (µg/l)	Annually		1220	
calcium (mg/l)	Annually		696	
chromium (µg/l)	Annually		7.04	
Cadmium (µg/l)	Annually		0.5	
Cobalt (µg/l)	Annually		2.24	
Copper (µg/l)	Annually		8.96	
Iron (mg/l)	Annually		0.0481	
Potassium (mg/l)	Annually		592	
Magnesium (mg/l)	Annually		0.05	
Manganese (µg/l)	Annually		0.77	
Sodium (mg/l)	Annually		539	
Nickel (µg/l)	Annually		42.3	
Lead (µg/l)	Annually		1.68	
Antimony (µg/l)	Annually		4	
Selenium (µg/l)	Annually		165	
Tin (µg/l)	Annually		3	
Zinc (µg/l)	Annually		106	
Phosphorus (mg/l)	Annually		0.06	
Flouride (mg/l)	Annually		0.1	
PO4-P (mg/l)	Annually		0.01	
VOC's USEPA 524.2 (µg/l)	Annually		All<1*	
SVOC'S (µg/l)	Annually		All<1**	
Comb Pesticide suite (µg/l)	Annually		All <0.01	
VOC's by GC-FID	Annually		All<0.5	
		1		

^{*}Dichloromethene = <3 **Phenol = 18.4

Cloncreen Ash Repository Monitoring Results Monitoring Location: LC2A

Parameter	Date	19/03/2015	09/07/2015	17/09/2015
COD (mg/l)	Bi-Annually	63		138
Amonical nitrogen (mg/l NH4)	Bi-Annually	2.6		2.1
Temperature (0C)	Bi-Annually	11.8		13.9
Electrical Conductivity (µS/cm)	Bi-Annually	17640		11050
pH (pH units)	Bi-Annually	12.72		12.1
Total oxidised nitrogen (mg/l)	Annually		0.2	
Boron	Annually		135	
Arsenic (µg/l)	Annually		168	
Silver (µg/l)	Annually		2	
Aluminium (µg/l)	Annually		50	
Berylium (µg/l)	Annually		1	
Barium (µg/l)	Annually		239	
calcium (mg/l)	Annually		169	
chromium (µg/l)	Annually		6.4	
Cadmium (µg/l)	Annually		0.5	
Cobalt (µg/l)	Annually		0.5	
Copper (µg/l)	Annually		7.4	
Iron (mg/l)	Annually		0.24	
Potassium (mg/l)	Annually		3810	
Magnesium (mg/l)	Annually		0.549	
Manganese (µg/l)	Annually		0.5	
Sodium (mg/l)	Annually		1770	
Nickel (µg/l)	Annually		13.2	
Lead (µg/l)	Annually		5.92	
Antimony (µg/l)	Annually		4	
Selenium (µg/l)	Annually		538	
Tin (µg/l)	Annually		3	
Zinc (µg/l)	Annually		356	
Phosphorus (mg/l)	Annually		0.05	
Flouride (mg/l)	Annually		0.1	
PO4-P (mg/l)	Annually		0.01	
VOC's USEPA 524.2 (μg/l)	Annually		All <1**	
SVOC'S (µg/l)	Annually		All <1*	
Comb Pesticide suite (µg/l)	Annually		All<0.01	_
VOC's by GC-FID	Annually		All<0.5	_
	`			
	`			_

^{*}Phenol = 3.64 *Isophorone =1.52 **Dichloromethane = <3

Monitoring Location: LC3A

Parameter	Date	19/03/2015	09/07/2015	17/09/2015
COD (mg/l)	Bi-Annually	16		68
Amonical nitrogen (mg/l NH4)	Bi-Annually	0.35		0.43
Temperature (0C)	Bi-Annually	12		13.9
Electrical Conductivity (µS/cm)	Bi-Annually	7260		9780
pH (pH units)	Bi-Annually	12.13		11.93
Total oxidised nitrogen (mg/l)	Annually		0.47	
Boron	Annually		135	
Arsenic (µg/I)	Annually		22.1	
Silver (µg/l)	Annually		2	
Aluminium (µg/l)	Annually		91.4	
Berylium (µg/l)	Annually		1	
Barium (µg/l)	Annually		1050	
calcium (mg/l)	Annually		270	
chromium (µg/l)	Annually		11.4	
Cadmium (µg/l)	Annually		0.5	
Cobalt (µg/l)	Annually		0.5	
Copper (µg/l)	Annually		4.36	
Iron (mg/l)	Annually		0.024	
Potassium (mg/l)	Annually		373	
Magnesium (mg/l)	Annually		0.0613	
Manganese (μg/l)	Annually		0.5	
Sodium (mg/l)	Annually		220	
Nickel (µg/l)	Annually		2.55	
Lead (µg/l)	Annually		2.32	
Antimony (µg/l)	Annually		4	
Selenium (µg/l)	Annually		68.7	
Tin (μg/l)	Annually		3	
Zinc (µg/I)	Annually		61.9	
Phosphorus (mg/l)	Annually		0.05	
Flouride (mg/l)	Annually		0.1	
PO4-P (mg/l)	Annually		0.01	
VOC's USEPA 524.2 (µg/l)	Annually		All<1*	
SVOC'S (µg/l)	Annually		All<1	
Comb Pesticide suite (µg/l)	Annually		All<0.01	
VOC's by GC-FID	Annually		All<0.5	

^{*}Dichloromethane = <3

Monitoring Location: LC3B

Parameter	Date	19/03/2015	09/07/2015	17/09/2015
COD (mg/l)	Bi-Annually	19		365
Amonical nitrogen (mg/l NH4)	Bi-Annually	0.33		4.9
Temperature (0C)	Bi-Annually	12.1		13.8
Electrical Conductivity (µS/cm)	Bi-Annually	3680		42100
pH (pH units)	Bi-Annually	11.75		12.59
Total oxidised nitrogen (mg/l)	Annually		0.2	
Boron	Annually		135	
Arsenic (µg/I)	Annually		295	
Silver (µg/l)	Annually		2	
Aluminium (µg/l)	Annually		55.4	
Berylium (µg/l)	Annually		1	
Barium (µg/l)	Annually		91.2	
calcium (mg/l)	Annually		113	
chromium (µg/l)	Annually		7.12	
Cadmium (µg/l)	Annually		0.5	
Cobalt (µg/l)	Annually		0.785	
Copper (µg/l)	Annually		6.58	
Iron (mg/l)	Annually		2.4	
Potassium (mg/l)	Annually		4960	
Magnesium (mg/l)	Annually		5	
Manganese (μg/l)	Annually		2.42	
Sodium (mg/l)	Annually		2640	
Nickel (µg/l)	Annually		24.8	
Lead (µg/l)	Annually		2.44	
Antimony (µg/l)	Annually		4	
Selenium (µg/l)	Annually		972	
Tin (μg/l)	Annually		3	
Zinc (µg/I)	Annually		413	
Phosphorus (mg/l)	Annually		0.05	
Flouride (mg/l)	Annually		0.1	
PO4-P (mg/l)	Annually		0.01	
VOC's USEPA 524.2 (μg/l)	Annually		All<1*	
SVOC'S (µg/l)	Annually		All <1**	
Comb Pesticide suite (µg/l)	Annually		All<0.01	
VOC's by GC-FID	Annually		All<0.5	

^{*}Dichloromethane = <3

^{**}Phenol = 3.11

Monitoring Location: LC4A

Parameter	Date	19/03/2015	09/07/2015	17/09/2015
COD (mg/l)	Bi-Annually	61		537
Amonical nitrogen (mg/l NH4)	Bi-Annually	0.35		5.2
Temperature (0C)	Bi-Annually	11.9		13.4
Electrical Conductivity (µS/cm)	Bi-Annually	13160		36200
pH (pH units)	Bi-Annually	11.02		12.3
Total oxidised nitrogen (mg/l)	Annually		0.2	
Arsenic (µg/l)	Annually		86.6	
Silver (µg/I)	Annually		2	
Aluminium (µg/l)	Annually		7750	
Berylium (µg/l)	Annually		1	
Barium (µg/l)	Annually		17.1	
calcium (mg/l)	Annually		7.32	
chromium (µg/l)	Annually		13.1	
Cadmium (µg/l)	Annually		0.5	
Cobalt (µg/l)	Annually		0.5	
Copper (µg/l)	Annually		8.44	
Iron (mg/l)	Annually		0.0836	
Potassium (mg/l)	Annually		4770	
Magnesium (mg/l)	Annually		0.187	
Manganese (µg/l)	Annually		2.94	
Sodium (mg/l)	Annually		342	
Nickel (µg/l)	Annually		5.11	
Lead (µg/l)	Annually		0.796	
Antimony (µg/l)	Annually		4	
Selenium (µg/l)	Annually		255	
Tin (μg/l)	Annually		3	
Zinc (µg/l)	Annually		156	
Phosphorus (mg/l)	Annually		0.26	
Flouride (mg/l)	Annually		0.1	
PO4-P (mg/l)	Annually		0.06	
VOC's USEPA 524.2 (µg/l)	Annually		All<1*	
SVOC'S (µg/l)	Annually		All <1**	
Comb Pesticide suite (µg/l)	Annually		All<0.01	
VOC's by GC-FID	Annually		All<0.5	
•	-	i		

^{*}Dichloromethane = <3

^{**}Bis(2-ethylhexyl)phthalate = <10

^{**}Methylphenol = 4.41

^{**}Phenol =18.6

^{**}Isophorone =<4

Monitoring Results

Parameter	Date	19/03/2015	09/07/2015	17/09/2015
COD (mg/l)	Bi-Annually	33		107
Amonical nitrogen (mg/l NH4)	Bi-Annually	0.18		0.1
Temperature (0C)	Bi-Annually	10.1		13.4
Electrical Conductivity (µS/cm)	Bi-Annually	868		14830
pH (pH units)	Bi-Annually	8.7		11.42
Total oxidised nitrogen (mg/l)	Annually		3	
Arsenic (µg/l)	Annually		5.92	
Silver (µg/l)	Annually		2	
Aluminium (µg/l)	Annually		50	
Berylium (µg/l)	Annually		1	
Barium (µg/I)	Annually		52.3	
calcium (mg/l)	Annually		53.9	
chromium (µg/l)	Annually		8.67	
Cadmium (µg/l)	Annually		0.5	
Cobalt (µg/l)	Annually		0.5	
Copper (µg/l)	Annually		4.27	
Iron (mg/l)	Annually		0.349	
Potassium (mg/l)	Annually		31.2	
Magnesium (mg/l)	Annually		3.56	
Manganese (µg/l)	Annually		32.5	
Sodium (mg/l)	Annually		28.3	
Nickel (µg/l)	Annually		3.79	
Lead (µg/l)	Annually		0.606	
Antimony (µg/l)	Annually		4	
Selenium (µg/l)	Annually		10.7	
Tin (μg/l)	Annually		3	
Phosphorus (mg/l)	Annually		0.05	
Flouride (mg/l)	Annually		0.1	
PO4-P (mg/l)	Annually		0.01	
VOC's USEPA 524.2 (µg/l)	Annually		All<1	
SVOC'S (µg/l)	Annually		All<1*	
Comb Pesticide suite (µg/l)	Annually		All<0.01	
VOC's by GC-FID	Annually		All<0.5	

^{*}Isophorone

Parameter	Date	25/02/2015	25/05/2015	17/09/2015	21/12/2015	
COD (mg/l)	Quarterly	36	35	No sample	52	
Dissolved oxygen (%)	Quarterly	29.1	28.3		26.1	
Dissolved oxygen (mg/l)	Quarterly	3.79	3.68		2.94	
Electrical Conductivity (µS/cm)	Quarterly	801	846		490	
Ammoniacal Nitrogen (mg/l NH4)	Quarterly	0.47	0.11		0.31	
pH (pH units)	Quarterly	8.8	8.6		9	
Total Suspended Solids (mg/l)	Quarterly	12	5		11	
Boron	Annually					
Arsenic (µg/l)	Annually					
Silver (µg/l)	Annually					
Aluminium (µg/l)	Annually					
Berylium (µg/l)	Annually					
Barium (µg/l)	Annually					
calcium (mg/l)	Annually					
chromium (µg/l)	Annually					
Cadmium (µg/l)	Annually					
Cobalt (µg/l)	Annually					
Copper (µg/l)	Annually					
Iron (mg/l)	Annually					
Potassium (mg/l)	Annually					
Magnesium (mg/l)	Annually					
Manganese (µg/l)	Annually					
Sodium (mg/l)	Annually					
Nickel (µg/l)	Annually					
Lead (µg/l)	Annually					
Antimony (µg/l)	Annually					
Selenium (µg/l)	Annually					
Tin (μg/l)	Annually					
Zinc (µg/l)	Annually					
Mercury (µg/l)	Annually					
PO4-P (mg/l)	Annually					
VOC's USEPA 524.2 (µg/l)	Annually					
SVOC'S (µg/l)	Annually					
Comb Pesticide suite (µg/I)	Annually					

^{*}Bis(2-ethylhexyl)phthalate **Methyl Parathion **Malathion **Azinphos Methyl

Parameter	Date	22/01/2015	12/02/2015	05/03/2015	15/04/2015	07/05/2015	04/06/2015	15/07/2015	24/08/2015	09/09/2015	01/10/2015	19/11/2015	03/12/2015
		Slightly	Clear, no										
		milky, no	odour										
Visual/Odour	Monthly	odour											
Groundwater level (m AOD)	Monthly	68.502	68.452	68.502	68.402	68.552	68.402	67.652	67.202	68.102	68.102	68.652	68.652
pH (pH units)	Monthly	7.3	7.4	7.4	7.3	7.3	7.5	7.7	7.4	7.4	7.3	7.4	7.4
Electrical Conductivity (µS/cm)	Monthly	713	703	714	721	734	763	603	714	682	743	646	713.5
Total Ammonia mg/l	Monthly	6	5.8	5.9	5.8	6	5.9	5.7	6.2	6	6.3	6.2	6.2
Sulphate(SO4) mg/l	Monthly	8.3	7.3	10	9.7	12	11	0.16	3.2	3.3	2.8	7	6.5
Arsenic (µg/I)	Annually							16					
Boron (µg/l)	Annually							11					
Silver (µg/l)	Annually							2					
Aluminium (µg/l)	Annually							2					
Berylium (µg/l)	Annually							2					
Barium (µg/l)	Annually							972					
calcium (mg/l)	Annually							83					
chromium (µg/I)	Annually							2					
Cadmium (µg/l)	Annually							2					
Cobalt (µg/l)	Annually							2					
Copper (µg/I)	Annually							2					
Iron (mg/l)	Annually							0.1					
Potassium (mg/l)	Annually							1.8					
Magnesium (mg/l)	Annually							14					
Manganese (µg/l)	Annually							147					
Sodium (mg/l)	Annually							5.8					
Nickel (µg/l)	Annually							7					
Lead (µg/l)	Annually							2					
Antimony (µg/l)	Annually							2					
Selenium (µg/l)	Annually							2					
Tin (μg/l)	Annually							2					
Zinc (µg/I)	Annually							2					
Mercury (μg/l)	Annually							1					
Flouride (mg/l)	Annually							0.14					
PO4-P (mg/l)	Annually							0.16					
VOC's USEPA 524.2 (µg/l)	Annually							All <1*					
SVOC'S (µg/l)	Annually							All <1**					
Comb Pesticide suite (µg/l)	Annually							All <0.01					
VOC's by GC-FID	Annually							All <0.5					

^{*}Except Dichloromethane <3
**Except Bis(2-ethylhexyl)phthalate <2

Parameter	Date	22/01/2015	12/02/2015	05/03/2015	15/04/2015						01/10/2015		03/12/2015
			Milky yellow,	Milky with				Milky yellow,				Milky yellow,	Slightly milky,
		no odour	no odour	peat odour	no odour	no odour	no odour	no odour	no odour	no odour	no odour	no odour	no odour
Visual/Odour	Monthly												
Groundwater level (m AOD)	Monthly	68.456	68.356	68.456	68.206	68.356	68.156	67.756	68.356	67.756	67.756	68.556	68.506
pH (pH units)	Monthly	7.4	7.4	7.6	7.3	7.4	7.2	7.5	7.3	7.1	7.1	7.6	7.5
Electrical Conductivity (µS/cm)	Monthly	415	496	364	537	417	767	773	703	702	816	378.5	535
Total Ammonia mg/l	Monthly	0.02	0.02	0.02	0.1	0.06	0.13	0.42	0.21	0.16	0.21	0.02	0.07
Sulphate(SO4) mg/l	Monthly	24	39	18	46	29	105	110	84	47	106	37	48
Arsenic (µg/l)	Annually							2					
Boron (µg/l)	Annually							41					
Silver (µg/l)	Annually							2					
Aluminium (μg/l)	Annually							3					
Berylium (μg/l)	Annually							2					
Barium (µg/l)	Annually							155					
calcium (mg/l)	Annually							138					
chromium (µg/l)	Annually							2					
Cadmium (µg/l)	Annually							2					
Cobalt (μg/l)	Annually							2					
Copper (µg/l)	Annually							2					
Iron (mg/l)	Annually							0.6					
Potassium (mg/l)	Annually							8.0					
Magnesium (mg/l)	Annually							7					
Manganese (µg/l)	Annually							784					
Sodium (mg/l)	Annually							3.9					
Nickel (µg/l)	Annually							8					
Lead (µg/l)	Annually							2					
Antimony (µg/l)	Annually							2					
Selenium (µg/l)	Annually							2					
Tin (μg/l)	Annually							2					
Zinc (µg/l)	Annually							17					
Mercury (µg/l)	Annually							1					
Flouride (mg/l)	Annually							0.1					
PO4-P (mg/l)	Annually							0.16					
VOC's USEPA 524.2 (µg/l)	Annually							All < 1*					
SVOC'S (µg/l)	Annually							All < 1**					
Comb Pesticide suite (µg/l)	Annually							All <0.01					
VOC's by GC-FID	Annually							All 0.5					
,	1 1												

^{*}Except Dichloromethane <3

**Except Bis(2-ethylhexyl)phthalate <2

*** Except Malathion <0.02

*** Except Azinphos Methyl <0.02

*** Except Methyl Parathion <0.09

*** Except Heptachlor Epoxide <0.05

Parameter	Date	22/01/2015	12/02/2015	05/03/2015	15/04/2015	07/05/2015	04/06/2015	15/07/2015	24/08/2015	09/09/2015	01/10/2015	19/11/2015	03/12/2015
i arameter	Date	Bore well	Bore well	Bore well	Bore well	Bore well	Bore well	Bore well	Bore well	Bore well Dry		Bore well	Bore well
Visual/Odour	Monthly	Dry	Dore well	Dore well	Dore well Dry	Dore well	Dore well	Dore well	Dry	Dore well Dry	Dry Dole Well	Dore well	Dry
Groundwater level (m AOD)	Monthly	Diy	Diy	Diy	ыу	Diy	Diy	ыу	Diy		Diy	Diy	Diy
pH (pH units)	Monthly												-
Electrical Conductivity (µS/cm)	Monthly												
Total Ammonia mg/l	Monthly												-
Sulphate(SO4) mg/l	Monthly												
Boron (µg/l)	Annually												
Arsenic (µg/l)	Annually												
Silver (µg/l)	Annually												
Aluminium (µg/l)	Annually												
Berylium (µg/l)	Annually												
Barium (µg/l)	Annually												
calcium (mg/l)	Annually												
chromium (µg/l)	Annually												
Cadmium (µg/l)	Annually												
Cobalt (µg/l)	Annually												
Copper (µg/l)	Annually												
Iron (mg/l)	Annually												
Potassium (mg/l)	Annually												
Magnesium (mg/l)	Annually												
Manganese (µg/l)	Annually												
Sodium (mg/l)	Annually												
Nickel (µg/l)	Annually												
Lead (µg/l)	Annually												
Antimony (µg/l)	Annually												
Selenium (µg/l)	Annually												
Tin (µg/l)	Annually												
Zinc (µg/l)	Annually												
Mercury (µg/I)	Annually												
Flouride (mg/l)	Annually				·								
PO4-P (mg/l)	Annually												
VOC's USEPA 524.2 (µg/l)	Annually							·					
SVOC'S (µg/l)	Annually												
Comb Pesticide suite (µg/l)	Annually							·					

Parameter	Date	22/01/2015	12/02/2015	05/03/2015	15/04/2015	07/05/2015	04/06/2015	15/07/2015	24/08/2015	09/09/2015	01/10/2015	19/11/2015	03/12/2015
		Milky with											
Visual/Odour	Monthly	peat odour											
Groundwater level (m AOD)	Monthly	66.534	66.484	66.584	66.484	66.534	66.384	66.284	66.434	66.334	66.384	66.584	66.534
pH (pH units)	Monthly	7	7.1	7.1	7.1	7.1	7.1	7.5	7.3	7.1	7.1	7.2	7.2
Electrical Conductivity (µS/cm)	Monthly	604	602	595	608	595	666.5	547	591	559	587	515	567
Total Ammonia mg/l	Monthly	5.8	5.7	5.7	5.7	5.7	5.4	5.7	5.7	5.6	5.4	5.8	5.8
Sulphate(SO4) mg/l	Monthly	0.57	0.5	3.9	0.73	0.77	0.82	1.2	1	0.97	1.5	1.1	0.52
Arsenic (µg/l)	Annually							3					
Boron (µg/l)	Annually							5					
Silver (µg/I)	Annually							2					
Aluminium (μg/l)	Annually							6					
Berylium (µg/l)	Annually							2					
Barium (µg/l)	Annually							63					
calcium (mg/l)	Annually							85					
chromium (µg/l)	Annually							2					
Cadmium (µg/l)	Annually							2					
Cobalt (µg/I)	Annually							2					
Copper (µg/l)	Annually							2					
Iron (mg/l)	Annually							0.8					
Potassium (mg/l)	Annually							0.8					
Magnesium (mg/l)	Annually							5					
Manganese (μg/l)	Annually							216					
Sodium (mg/l)	Annually							6.6					
Nickel (µg/l)	Annually							4					
Lead (µg/l)	Annually							3					
Antimony (µg/I)	Annually							2					
Selenium (µg/l)	Annually							2					
Tin (μg/l)	Annually							2					
Zinc (µg/I)	Annually							3					
Mercury (μg/l)	Annually							1					
Flouride (mg/l)	Annually							0.1					
PO4-P (mg/l)	Annually							0.16					
VOC's USEPA 524.2 (µg/l)	Annually							All <1					
SVOC'S (µg/I)	Annually							All <1*					
Comb Pesticide suite (µg/l)	Annually							All <0.01					
VOC's by GC-FID	Annually							All<0.5					
	1												

^{*}Except Bis(2-ethylhexyl)phthalate <2

Parameter	Date	22/01/2015	12/02/2015	05/03/2015	15/04/2015	07/05/2015	04/06/2015	15/07/2015	24/08/2015	09/09/2015	01/10/2015	19/11/2015	03/12/2015
		Slightly	Clear, no	Slightly	Clear, no	Slightly	Clear, no	Clear, no	Slightly	Slightly	Slightly	Slightly	Slightly
		yellow, no	odour	yellow, no	odour	yellow, no	odour	odour	milky, no	yellow, no	yellow, no	yellow, no	yellow, no
Visual/Odour	Monthly	odour		odour		odour			odour	odour	odour	odour	odour
Groundwater level (m AOD)	Monthly	68.363	68.263	68.363	68.313	68.363	68.213	67.913	67.963	68.013	67.963	68.363	68.413
pH (pH units)	Monthly	6.8	6.8	6.9	6.7	6.8	6.7	7.2	7	6.7	6.8	7	7
Electrical Conductivity (µS/cm)	Monthly	714	778	684	776	709	790	752	807	770	823	601	712
Total Ammonia mg/l	Monthly	5.6	6.3	5.2	6.2	6	6.5	7.4	8	7.9	8.2	4.6	5.6
Sulphate(SO4) mg/l	Monthly	6	4.3	7.4	4.6	7.6	5.1	0.94	1.5	2.1	0.79	28	15
Arsenic (µg/I)	Annually							4					
Boron (µg/l)	Annually							5					
Silver (µg/l)	Annually							2					
Aluminium (µg/l)	Annually							2					
Berylium (µg/I)	Annually							2					
Barium (µg/l)	Annually							165					
calcium (mg/l)	Annually							124					
chromium (µg/l)	Annually							2					
Cadmium (µg/l)	Annually							2					
Cobalt (µg/l)	Annually							3					
Copper (µg/l)	Annually							2					
Iron (mg/l)	Annually							2.3					
Potassium (mg/l)	Annually							0.8					
Magnesium (mg/l)	Annually							3.5					
Manganese (µg/l)	Annually							397					
Sodium (mg/l)	Annually							6.4					
Nickel (µg/l)	Annually							6					
Lead (µg/l)	Annually							2					
Antimony (µg/l)	Annually							2					
Selenium (µg/l)	Annually							2					
Tin (μg/l)	Annually							2					
Zinc (µg/l)	Annually							6					
Mercury (µg/l)	Annually							1					
Flouride (mg/l)	Annually							0.1					
PO4-P (mg/l)	Annually							0.16					
VOC's USEPA 524.2 (µg/l)	Annually							All <1*					
SVOC'S (µg/l)	Annually							All <1**					
Comb Pesticide suite (µg/l)	Annually							All <0.01					
VOC's by GC-FID	Annually							All <0.5			-	-	-
		-		-									

^{*}Except Dichloromethane <3
**Except Bis(2-ethylhexyl)phthalate <2

Monitoring Location: MW07													
Parameter	Date	22/01/2015	12/02/2015	05/03/2015	15/04/2015	07/05/2015	04/06/2015	15/07/2015	24/08/2015	09/09/2015	01/10/2015	19/11/2015	03/12/2015
		Clear, no	Clear, slight	Clear, slight	Yellowish	Slightly	Yellowish	Clear, slight	Yellowish with	Slightly	Clear, no	Clear, no	Clear, no
		odour	gas odour	gas odour	with slight	yellow, no	with slight	gas odour	slight gas	milky, no	odour	odour	odour
Visual/Odour	Monthly				gas odour	odour	gas odour		odour	odour			
Groundwater level (m AOD)	Monthly	67.616	67.616	67.266	67.116	67.266	67.366	66.766	66.916	66.866	66.816	67.666	67.616
pH (pH units)	Monthly	6.8	6.8	7	6.8	6.9	6.9	7.3	7.2	6.9	6.9	6.6	7
Electrical Conductivity (µS/cm)	Monthly	1073	1131	1047	968	1004	938	984	1134	1092	1177	963	984
Total Ammonia mg/l	Monthly	3	3.4	2.7	2.2	2.5	2.7	3.3	3.3	3.9	3.7	2.9	2.9
Sulphate(SO4) mg/l	Monthly	4.2	2.6	5.9	7.5	6.8	7.4	3.2	1.6	1.2	0.9	4.8	5.6
Arsenic (µg/l)	Annually							2					
Boron (µg/l)	Annually							9					
Silver (µg/l)	Annually							2					
Aluminium (µg/l)	Annually							5					
Berylium (µg/l)	Annually							2					
Barium (µg/l)	Annually							229					
calcium (mg/l)	Annually							219					
chromium (µg/l)	Annually							2					
Cadmium (µg/l)	Annually							2					
Cobalt (µg/l)	Annually							2					
Copper (µg/l)	Annually							2					
Iron (mg/l)	Annually							0.3					
Potassium (mg/l)	Annually							32					
Magnesium (mg/l)	Annually							6.4					
Manganese (µg/l)	Annually							344					
Sodium (mg/l)	Annually							41					
Nickel (µg/l)	Annually							2					
Lead (µg/l)	Annually							2					
Antimony (µg/l)	Annually							2					
Selenium (µg/l)	Annually							2					
Tin (µg/l)	Annually							2					
Zinc (µg/l)	Annually							4					
Mercury (µg/I)	Annually							1					
Flouride (mg/l)	Annually							0.1					
PO4-P (mg/l)	Annually							0.16					
VOC's USEPA 524.2 (µg/l)	Annually							All <1*					
SVOC'S (µg/l)	Annually							All <1**					
Comb Pesticide suite (µg/l)	Annually							All <0.01					
VOC's by GC-FID	Annually							All <0.5					

^{*}Except Dichloromethane <3
**Except Bis(2-ethylhexyl)phthalate <2

Parameter	Date	22/01/2015	12/02/2015	05/03/2015	15/04/2015	07/05/2015	04/06/2015	15/07/2015	24/08/2015	09/09/2015	01/10/2015	19/11/2015	03/12/2015
		Clear, no											
Visual/Odour	Monthly	odour											
Groundwater level (m AOD)	Monthly	68.612	68.312	68.712	68.612	68.962	68.062	67.362	67.162	67.512	67.462	68.912	68.862
pH (pH units)	Monthly	6.8	6.9	6.8	6.8	6.8	6.9	7.2	7.2	6.9	7	6.7	7
Electrical Conductivity (µS/cm)	Monthly	896	893	880	870	933	898	801	830	831	878	778	856
Total Ammonia mg/l	Monthly	1.5	2.3	1.5	1.7	0.94	2.5	2.6	3.2	3.6	3	1.3	1.4
Sulphate(SO4) mg/l	Monthly	64	61	90	60	84	76	56	47	46	47	57	58
Arsenic (µg/l)	Annually							10					
Boron (µg/l)	Annually							13					
Silver (µg/l)	Annually							2					
Aluminium (µg/l)	Annually							2					
Berylium (µg/l)	Annually							2					
Barium (µg/l)	Annually							459					
calcium (mg/l)	Annually							19					
chromium (µg/l)	Annually							2					
Cadmium (µg/l)	Annually							2					
Cobalt (µg/l)	Annually							6					
Copper (µg/l)	Annually							2					
Iron (mg/l)	Annually							3					
Potassium (mg/l)	Annually							0.6					
Magnesium (mg/l)	Annually							3.9					
Manganese (μg/l)	Annually							492					
Sodium (mg/l)	Annually							3.6					
Nickel (µg/l)	Annually							34					
Lead (µg/l)	Annually							2					
Antimony (µg/l)	Annually							2					
Selenium (µg/l)	Annually							2					
Tin (μg/l)	Annually							2					
Zinc (µg/I)	Annually							5					
Mercury (µg/l)	Annually							1					
Flouride (mg/l)	Annually							0.1					
PO4-P (mg/l)	Annually							0.16					
VOC's USEPA 524.2 (μg/l)	Annually							All <1*					
SVOC'S (µg/l)	Annually							All <1**					
Comb Pesticide suite (µg/l)	Annually							All <0.01					
VOC's by GC-FID	Annually							All <0.5					

^{*}Except Dichloromethane <3
**Except Bis(2-ethylhexyl)phthalate <2

Parameter	Date	22/01/2015	12/02/2015	05/03/2015	15/04/2015	07/05/2015	04/06/2015	15/07/2015	24/08/2015	09/09/2015	01/10/2015	19/11/2015	03/12/2015
		Clear, no											
Visual/Odour	Monthly	odour											
Groundwater level (m AOD)	Monthly	67.568	67.418	67.618	67.568	67.468	67.368	66.418	66.918	67.018	66.868	67.718	67.793
pH (pH units)	Monthly	6.9	6.9	7	6.8	7	6.9	7.3	7	6.9	6.9	7	7.1
Electrical Conductivity (µS/cm)	Monthly	782	801.5	744	758	733	871	690	814	783	828	703	753
Total Ammonia mg/l	Monthly	2.4	2.3	2.4	2.3	2.4	2.3	2.7	2.1	2.6	2.3	2.1	2.4
Sulphate(SO4) mg/l	Monthly	5.1	0.5	3.6	4.4	4	8.4	4	18	8.1	9.3	9.2	8.2
Arsenic (µg/l)	Annually							23					
Boron (µg/l)	Annually							6					<u> </u>
Silver (µg/l)	Annually							2					<u> </u>
Aluminium (µg/l)	Annually							2					
Berylium (µg/I)	Annually							2					
Barium (µg/l)	Annually							435					1
calcium (mg/l)	Annually							121					
chromium (µg/l)	Annually							2					
Cadmium (µg/l)	Annually							2					1
Cobalt (µg/l)	Annually							5					<u> </u>
Copper (µg/l)	Annually							2					1
Iron (mg/l)	Annually							0.4					
Potassium (mg/l)	Annually							0.6					I
Magnesium (mg/l)	Annually							5.5					<u> </u>
Manganese (µg/l)	Annually							184					
Sodium (mg/l)	Annually							4.6					<u> </u>
Nickel (µg/l)	Annually							36					<u> </u>
Lead (µg/l)	Annually							2					
Antimony (µg/l)	Annually							2					<u> </u>
Selenium (µg/l)	Annually							2					
Tin (μg/l)	Annually							2					<u> </u>
Zinc (µg/l)	Annually							2					<u> </u>
Mercury (µg/l)	Annually							1					
Flouride (mg/l)	Annually							0.1					<u> </u>
PO4-P (mg/l)	Annually							0.16					L
VOC's USEPA 524.2 (µg/l)	Annually							All <1*					L
SVOC'S (µg/l)	Annually							All <1**					<u> </u>
Comb Pesticide suite (µg/l)	Annually							All <0.01					<u> </u>
VOC's by GC-FID	Annually							All <0.5					<u> </u>
]

^{*}Except Dichloromethane <3
**Except Bis(2-ethylhexyl)phthalate <2

Parameter	Date	22/01/2015	12/02/2015	05/03/2015	15/04/2015	07/05/2015	04/06/2015	15/07/2015	24/08/2015	09/09/2015	01/10/2015	19/11/2015	03/12/2015
. a. aetc.	2410	Clear, no											
Visual/Odour	Monthly	odour											
Groundwater level (m AOD)	Monthly	68.24	68.44	68.29	68.24	68.29	68.09	67.84	67.89	67.94	67.89	68.19	68.29
pH (pH units)	Monthly	7	6.9	7	7	6.9	6.9	7.2	7.1	7	7	7	7.2
Electrical Conductivity (µS/cm)	Monthly	736	741	722	743	745	766	691	731	726	759.5	658	671
Total Ammonia mg/l	Monthly	2.9	2.9	2.9	2.9	3.1	3	3.2	3.6	3.9	3.4	3.5	3.1
Sulphate(SO4) mg/l	Monthly	0.5	0.58	0.5	0.51	0.5	0.51	0.5	1.5	0.5	0.5	0.5	0.5
Arsenic (µg/I)	Annually							7					
Boron (µg/l)	Annually							7					
Silver (µg/l)	Annually							2					
Aluminium (µg/I)	Annually							2					i
Berylium (µg/I)	Annually							2					
Barium (µg/l)	Annually							316					
calcium (mg/l)	Annually							56					
chromium (µg/l)	Annually							2					
Cadmium (µg/I)	Annually							2					
Cobalt (µg/l)	Annually							6					l
Copper (µg/l)	Annually							2					l
Iron (mg/l)	Annually							1.6					
Potassium (mg/l)	Annually							0.5					ļ
Magnesium (mg/l)	Annually							3					ļ
Manganese (µg/l)	Annually							234					ļ
Sodium (mg/l)	Annually							6.3					ļ
Nickel (µg/l)	Annually							33					ļ
Lead (μg/l)	Annually							2					ļ
Antimony (µg/l)	Annually							2					ļ
Selenium (μg/l)	Annually							2					
Tin (μg/l)	Annually							2					!
Zinc (µg/l)	Annually							10					.
Mercury (µg/l)	Annually							1					.
Flouride (mg/l)	Annually							0.1					.
PO4-P (mg/l)	Annually							0.16					-
VOC's USEPA 524.2 (μg/l)	Annually							All <1*					1
SVOC'S (µg/l)	Annually							All <1**					1
Comb Pesticide suite (µg/l)	Annually							All <0.01					-
VOC's by GC-FID	Annually							All <0.5					
													ı

^{*}Except Dichloromethane <3
**Except Bis(2-ethylhexyl)phthalate <2

Parameter	Date	22/01/2015	12/02/2015	05/03/2015	15/04/2015	07/05/2015	04/06/2015	15/07/2015	24/08/2015	09/09/2015	01/10/2015	19/11/2015	03/12/2015
		Clear, no											
Visual/Odour	Monthly	odour											
Groundwater level (m AOD)	Monthly	67.119	67.169	66.819	66.569	66.769	66.919	66.319	66.319	66.469	66.519	67.369	67.169
pH (pH units)	Monthly	7	6.9	7	7	7	6.9	7.2	7.1	6.9	6.9	6.8	7.1
Electrical Conductivity (µS/cm)	Monthly	1037	1033	1008	899	1013	1235	970	1038	971	1000	898	947
Total Ammonia mg/l	Monthly	2.8	2.7	2.7	2.9	2.7	2.6	2.7	2.3	2.8	2.5	2.6	2.8
sulphate(SO4) mg/l	Monthly	5	52	5.3	1.4	4.1	0.5	3.4	1.9	1.3	0.98	1.2	2.2
Arsenic (µg/l)	Annually		32	0.0	1.4	7.1	0.5	3	1.9	1.5	0.90	1.2	2.2
Boron (µg/l)	Annually							7					
Silver (µg/l)	Annually							2					
Aluminium (µg/l)	Annually							2					
Berylium (µg/l)	Annually							2					
Barium (µg/l)	Annually							334					
calcium (mg/l)	Annually							169					
chromium (µg/l)	Annually							2					
Cadmium (µg/l)	Annually							2					
Cobalt (µg/l)	Annually							2					
Copper (µg/l)	Annually							2					
Iron (mg/l)	Annually							0.1					
Potassium (mg/l)	Annually							33					
Magnesium (mg/l)	Annually							8.1					
Manganese (µg/l)	Annually							615					
Sodium (mg/l)	Annually							18					
Nickel (µg/l)	Annually							2					
Lead (µg/l)	Annually							2					
Antimony (µg/l)	Annually							2					
Selenium (µg/l)	Annually							2					
Tin (µg/l)	Annually							2					
Zinc (µg/l)	Annually							6					
Mercury (µg/l)	Annually							1					
Flouride (mg/l)	Annually							0.1					
PO4-P (mg/l)	Annually							0.16					
VOC's USEPA 524.2 (µg/l)	Annually							All <1*					
SVOC'S (µg/l)	Annually							All <1**					
Comb Pesticide suite (µg/I)	Annually							All <0.01					
VOC's by GC-FID	Annually							All <0.5					
	_												

^{*}Except Dichloromethane <3
**Except Bis(2-ethylhexyl)phthalate <2



| PRTR# : W0049 | Facility Name : Clonbulloge Ash Repository | Filename : W0049_2015.xls | Return Year : 2015 |

Guidance to completing the PRTR workbook

PRTR Returns Workbook

Version 1.1.19

REFERENCE YEAR 2015

1. FACILITY IDENTIFICATION

Parent Company Name	Bord na Mona Energy Limited
Facility Name	Clonbulloge Ash Repository
PRTR Identification Number	W0049
Licence Number	W0049-02

Classes of Activity

Classes of Alexand	
No.	class_name
-	Refer to PRTR class activities below

Address 1	Cloncreen Bog
Address 2	Clonbulloge
Address 3	
Address 4	
	Offaly
Country	Ireland
Coordinates of Location	-7.11013 53.274
River Basin District	IESE
NACE Code	3821
Main Economic Activity	Treatment and disposal of non-hazardous waste
AER Returns Contact Name	Enda McDonagh
AER Returns Contact Email Address	
AER Returns Contact Position	Head of Environment, Health & Safety
AER Returns Contact Telephone Number	
AER Returns Contact Mobile Phone Number	0862370816
AER Returns Contact Fax Number	0579345160
Production Volume	24369.0
Production Volume Units	tonnes
Number of Installations	1
Number of Operating Hours in Year	3796
Number of Employees	4
User Feedback/Comments	
	There are no loadings calculated on emissions to water as flow
	measurement is not a licence requirement.
Web Address	www.bnm.ie

2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
5(d)	Landfills

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

Guidance on waste imported/accepted onto site

Do you import/accept waste onto your site for onsite treatment (either recovery or disposal activities) ? No 4.1 RELEASES TO AIR

Link to previous years emissions data

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SECTION A: SECTOR SPECIFIC PRTR POLLUTANTS

	RELEASES TO AIR		Please enter all quantities in this section in KGs						
PC	DLLUTANT		MI	ETHOD		QUANTITY			
		Method Used							
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0		0.0	0.0	0.0

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

SECTION B: REMAINING PRTR POLLUTANTS

	RELEASES TO AIR				Please enter all quantities	in this section in KG	s		
Po	DLLUTANT	METHOD					QUANTITY		
		Method Used							
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental)	KG/Year	F (Fugitive) KG/Year
					0.0)	0.0	0.0	0.0

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

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

	RELEASES TO AIR				Please enter all quantities i	n this section in KGs						
PC	DLLUTANT			METHOD					QUANTITY			
				Method Used	DM-01	DM-02	DM-03	DM-04				
										A (Accidental)	F (Fugitive)	,
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	Emission Point 2	Emission Point 3	Emission Point 4	T (Total) KG/Year	KG/Year	KG/Year	
		E		VDI 2199 Blatt 2/Part 2	0.044	0.014	0.008	0.011	0.154	. 0	.0	0.077

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

Additional Data Requested from Landfill operators

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

Landfill:	Clonbulloge Ash Repository				_	
Please enter summary data on the quantities of methane flared and / or utilised			Meth	nod Used		
	T (Takan) I a Read	N/O/E			Facility Total Capacity m3	
	T (Total) kg/Year	M/C/E	Method Code	Description	per hour	
Total estimated methane generation (as per						
site model)	0.0				N/A	
Methane flared	0.0				0.0	(Total Flaring Capacity)
Methane utilised in engine/s					0.0	(Total Utilising Capacity)
Net methane emission (as reported in Section						
A above)	0.0				N/A	
1	<u> </u>		•		·	

4.2 RELEASES TO WATERS

Link to previous years emissions data

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SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

Data on ambient monitoring of storm/surface water or groundwater, conducted as part of your licence requirements, should NOT be submitted under AER / PRTR Reporting as t

	RELEASES TO WATERS	Please enter all quantities in this section in KGs								
POI	LUTANT						QUANTITY			
				Method Used						
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year		
						0.0	0.0 0.0	0.0		

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

SECTION B: REMAINING PRTR POLLUTANTS

	RELEASES TO WATERS	Please enter all quantities in this section in KGs							
POI	LUTANT							QUANTITY	
				Method Used					
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/	Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
						0.0	0.0	0.0	0.0

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

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

	RELEASES TO WATERS	Please enter all quantities in this section in KGs								
POL	LUTANT						QUANTITY			
				Method Used						
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year		
					0.	0 0	.0 0.0	0.0		

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

4.3 RELEASES TO WASTEWATER OR SEWER

Link to previous years emissions data

| PRTR# : W0049 | Facility Name : Clonbulloge Ash Repository | Filename : W0049_2015.xls | Retui

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SECTION A: PRTR POLLUTANTS

	OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WAST	Please enter all quantities	in this section in KG	is						
	POLLUTANT		MI	ETHOD	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		
					0.1	n	0.0	0.0		

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

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

OLOTION B : REIMAINING OLEOTAIN EIM	STICK B. KEMPANING TO ELECTRANT EMICOSONO (ac required in) our Electrony												
OFFSITE TRAN	SFER OF POLLUTANTS DESTINED FOR WASTE-W	Please enter all quantities in this section in KGs											
PO	LLUTANT		METHO)D	QUANTITY								
			Met	hod Used									
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (A	ccidental) 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

Link to previous years emissions data Page 1 of 1

4.4 RELEASES TO LAND

Link to previous years emissions data

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SECTION A: PRTR POLLUTANTS

	RELEASES TO LAND				Please enter all quantities	S	
PO	LLUTANT		METHO	D			QUANTITY
			Met	hod Used			
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year
					0.0)	0.0 0.0

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

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

	RELEASES TO LAND			Please enter all quantities		
	POLLUTANT		METHOD		QUANTITY	
			Method Used			
Pollutant No.	Name	M/C/E	Method Code Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year
				0.0		0.0 0.0

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

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

| PRTR# : W0049 | Facility Name : Clonbulloge Ash Repository | Filename : W0049_2015.xls | Return Year : 2015 |

		15:25

		10. 2.10 0.		Il quantities on this sheet in Tonnes	onory 1 normanie		LOTOLAD ITOLATIT TOLAT . LO	0				3
Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation		Method Used	Location of Treatment	Haz Waste : Name and Licence/Permit No of Next Destination Facility Non Haz Waste: Name and Licence/Permit No of Recover/Disposer	Haz Waste: Address of Next Destination Facility Non Haz Waste: Address of Recover/Disposer	Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
									AES Ltd Cappincur Tullamore Co Offaly, WCP-	Cappincur,Tullamore,Co		
Within the Country	20 03 01	No	0.66	mixed municipal waste	D1	С	Volume Calculation	Offsite in Ireland	AES Ltd Cappincur	Offaly,.,Ireland		
Within the Country	20 03 01	No	1.0	mixed municipal waste	D1	М	Weighed	Offsite in Ireland	Tullamore Co Offaly,WCP- OY-08-601-01	Cappincur,Tullamore,Co Offaly,.,Ireland		

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