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

Facility Information	Summary		
AER Reporting Year	2013		
Licence Register Number	W0240-01		
Name of site		AES Ner	nagh
Site Location	Springfort Cro	oss, Solsboroug	h, Nenagh, Co. Tipperary
NACE Code		382	1
	Schedule 3 - Classes 1	1, 12 & <b>13(PA)</b> ;	Schedule 4 - Classes 2, 3, 4, 12
Class/Classes of Activity		13	
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.

AES Nenagh acts as the principal waste transfer facility for AES in the Munster region servicing waste collections from Clare, Limerick City & County, Tipperary and some parts of Offaly. Domestic waste services include a glass bin and compost bin service in selected areas. all wastes are received over the facilty weighbridge and unloaded within the waste recpetion builsing. residual wastes are bulked and sent for further treatment (SRF production) or disposal at landifll. Seperately collected recycables are transferred from AES Nenagh to AES Tullamore for processing. Similary other seperately collected fractions are sent for further processing to various waste operators in Ireland. Waste received in 2013 was within the total waste acceptance allowed under the waste licence. There were 2 minor incidents reported to the Agency in 2013 in relation to breach of elvs. In February for emssions to sewer - elevated COD and May for elevated dust levels above the ELV of 350mg/m2/day at D2 monitoring station. The EPA conducted a site inspection and found the site to be compliant with the Licence Conditions.

## **Declaration:**

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

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

ID								Year	2013	
AIR-summary Inswer all question	template ons and complete all tabl	es where relevant			Lic No:	w-0240-01		rear		
questi	prece un taur						Additional informati	on	n .	
Does your site h	nave licensed air emissis	nns? If yes please comple	te table A1 and A2 ba	elow for the current reporting						
year and an	nswer further questions.	. If you do not have licen	ced emissions and do	not complete a solvent						
		table A4 and A5) you do r								
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	ng carried out in accordan nd using the basic air moni	ce with EPA guidance note toring checklist?	checklist	AGN2	Yes					
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ubic 712. Lice		is, ranibient data pen	oute monitoring (	non continuous,						
										Comments -reason for change in % mass load
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ference no:	Parameter/ Substance	Frequency of Monitoring	revision therof	Licence Compliance criteria	Measured value	measurement	licence limit	Method of analysis	load (kg)	applicable
					108					
1	Total Particulates	Quarterly	350mg/m2/day	100 % of values < ELV	100	mg/m2/day	ves	Gravmetric		
					220					
2	Total Particulates	Quarterly	350mg/m2/day	100 % of values < ELV		mg/m2/day	yes	Gravmetric		
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			required fields below	in Table 3 and compare it to its	1.40				J	
	new your continuous mon	itoring data and report the relevant Emission Limit V		ii ravie s and compare it to its						
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If yes please rev  id continuous mi to you have a pro Did y able A2: Sun  imission reference no:  ote 1: Volumetrir rable A3: Aba  ** an accura  Solve  vo you have a tot.  Table A4: Soh //OC Emission  Reporting year	sactive service agreement cours to experience any al mmary of average er service agreement service agreement service agreement service	missions -continuous  ELV in licence or any revision therof  a reportable parameter.  ass reporting table location  de all dates that an abater eleginning and end should be ections please refer to byp.  ment on site  direct and fugitive emission lan Summary Total  Total VOC emissions to Air from entire site (direct and fugitive)  ance summary  Organic solvent emission	If yes please detail the monitoring  Averaging Period  Rea  Rea  Rea  Rea  Rea  Rea  Rea  Re	Compliance Criteria  SELECT  SELECT  Bypass protocol son for bypass  urred  urred  fill out tables A4 and A5  Please refer to linked solver complete table 5  Total Emission Limit Value (ELV) in Idente or any revision ther	Units of measurement  SELECT	Impact magnitude  Solvent released in other ways e.g.	Solvents destroyed on site through physical reaction e.g.	Corrective  Corrective	exceedences in current reporting year	Comments
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AERI	Monitoring returns summar	ry template-WATER,	WASTEWATER(SEWER)				Lie No:	W0240-01						Additional information		
	your site have licensed emission ent reporting year and answer fu	ether questions. If you		you only need to con		SRECT								Additional internation		
2 Was it	t a requirement of your licence to If yes please complete table to	W2 below summarising	inly any evidence of contamin.	charges or watercoun ation noted during vis	ses on or near your site ual inspections	SELECT										
	Table W1 S	urface water monito	ring													
	Location reference	Location relative to site activities	PRTR Panameter	Licenced Paramete	EEV or trigger level in licence or any revision thereof*	Licence Compliance criteria	Measured value									
	SW-1		SELECT			Date SSLECT	28.1.13 7.6	12.13 7.2	20.3.13	15.4.13 7.1	24.4.13	2.5.13 7.2		July	12.8.13 7.2	17.9.13
-	SW-1	onsite	and the same of th	Conductivity		anaci	271	269	610	294	243.75	266.45		dy	202	206
	SW-1 SW-1	onsite		COD Ammonia (as N)			46 0.2	52	96	73	64 0.24	56 8.8		dry dry	45 2.2	97
	SW-1	onsite		Suspended Solids			69	53	72	23	21	29		dy	28	67
	SW-1	onsite	SELECT	Hydrocarbons		SRECT	<0.010					<0.010		dry	-0.010	×
*trigge	er values may be agreed by the Agen		sons Visual inspections-Please	only enter details	where contaminati	on was observed.	1									
	Location Reference	Date of irrspection		Description of c	contamination		Source of contamination							Correctiv	e action	
-							SELECT									
Licen	sed Emissions to water and	d /or wastewater(se	wer)-periodic monitoring	(non-continuous)												
3	Was there any result in breach of	f licence requirements? If y	es please provide brief details in s	the comment section of	Table Wil below	Yes.								Additional information		
Watal	ill monitoring carried out in accordan fonitoring Data Reported to the EPA	? If no please detail what a	checklists for Quality of Aqueous reas require improvement in	External Reternal Lab	Assessment of results											
4 Table	addi e W3: Licensed Emissions to	tional information box water and /or wast	awater (sewer)-periodic n	nonitoring (non-co	ntinuous)	ries.										
														1		
Emissi	ion reference no:	Smission released to	Parameter/SubstanceNote 1	Type of sample	Frequency of monitoring	Averaging period	ELV or trigger values in licence or any revision therof <sup>low 2</sup>	Licence Compliance criteria	Weasured value	Unit of measurement	Compliant with Scence	Method of analysis	Procedural reference source	Procedural reference standard number	Annual mass load (kg)	Comments
									Annual Average							
	Emissions to sewer	Wastewater/Sewer	pH	composite	Monthly	Monthly	610 10	No pH value shall deviate from the specified range.	6.4	pH units	no (if no please enter details in comments box) no (if no please enter details in	pii Meter (Electrode)	APHA / AWWA "Standard Methods"	Method 6500 H-92 52200, Gosed Reflux, colourimetric		on the 17/09/2013 and 56/10/2013 sample results exceeded the licence limit of 6.0 pH units with a result 5.4 pH units on both dates. On the 11/02/2013 sample result exceed the licence of the 11/02/2013 sample result exceed the licence.
L	Emissions to sewer	Wastewater/Sower	C00	composite	Monthly	Monthly	3000	the specified range. All values < ECV	6.4 2092.454545	ngA	comments box) no (if no please enter details in comments box)	Spectrophotometry (Colorimetry)	APHA / AWWA "Standard Methods"			exceeded the licence limit of 6.0 pH units with a resu
								the specified range.	6-4 2002.454545 432		comments box) no (if no please enter details in					exceeded the licence limit of 6.0 pH units with a resu 5.4 pH units on both dates. On the 11,02/2013 sample result exceed the licen
	Emissions to sewer	Wastewater/Sower	C00	composite	Monthly	Monthly	3000	the specified range. All values < ECV	432	ngA	comments box) no (if no please enter details in comments box)	Spectrophotometry (Colorimetry)	APHA / AWWA "Standard Methods"	S2200, Closed Reflux, colourimetric method		exceeded the licence limit of 6.0 pH units with a res. 5.4 pH units on both dates. On the 11,02/2013 sample result exceed the licen
	Emissions to sewer Emissions to sewer	Wastewster/Sower Wastewster/Sower	C00 800	composite	Monthly Quarterly	Monthly Quarterly	3000 1000	the specified range.  All values < ELV  All values < ELV	432	ngt.	comments box)  no (if no please enter details in comments box)  yes	Spectrophotometry (Calorimetry) Dissolved Oxygen Meter (Discoved)	APHA / AWWA "Standard Methods"  APHA / AWWA "Standard Methods"	13200, Cassed Reflax, colourimetric method Method C220 8 25400		exceeded the licence limit of 6.0 pH units with a res. 5.4 pH units on both dates. On the 11,02/2013 sample result exceed the licen
	Emissions to sewer Emissions to sewer Emissions to sewer	Wastewzer/Sower Wastewzer/Sower Wastewzer/Sower	COD ROD Suspended Solids	composite composite composite	Monthly Quarterly Monthly	Monthly Quarterly Monthly	2000 1000 1000	the specified range.  All values < EEV  All values < EEV  All values < EEV	432	mg/L mg/L mg/L	comments box) no-jif no-jif sac jifsace enter detalis in comments box) yes yes	Spectnophotometry (Calonimetry) Dissolved Oxygen Meter (Electnode) Gravimetric analysis	APHA / AWWA "Standard Methods"  APHA / AWWA "Standard Methods"  APHA / AWWA "Standard Methods"	S2200, Closed Reflux, colourimetric method		exceeded the licence limit of 6.0 pH units with a resu 5.4 pH units on both dates. On the 11,02/2013 sample result exceed the licen
	Embalans to sever Embalans to sever  Embalans to sever  Embalans to sever  Embalans to sever	Wastewie(Sower Wastewie(Sower Wastewie(Sower Wastewie(Sower	COD BOD Suspended Solids Suightate	composite composite composite	Monthly Quarterly Monthly Quarterly	Monthly  Quarterly  Monthly  Quarterly	2000 1000 1000	the specified range.  All values < EEV  All values < EEV  All values < EEV  All values < EEV	432 208.1 65.6 0.202	melt melt melt melt	comments book no Jif no jihouse enter details in comments book yee  yee	Spectrophotom why (Callorimetry) Dissolved Oregen Meter (Directrode)  Gravimetric analysis  Ion Chromosography	APHA / NAWA "Standard Methodis"	12300, Ossen ferlini, colour inverso method Method 1250 B 54600 Method 61300.		exceeded the licence limit of 6.0 pH units with a resu 5.4 pH units on both dates. On the 11,02/2013 sample result exceed the licen
	Emissions to sewer	Wittewite/Jewe Wittewite/Jewe Wittewite/Jewe Wittewite/Jewe Wittewite/Jewe	COD  BOD  Suspended Solids  Sulphate  Detergeon (at MBAS)	composite  composite  composite  composite	Marchly Quarterly Morthly  Quarterly  Quarterly  Quarterly	Monthly Quarterly Monthly  Quarterly  Quarterly  Quarterly	3000 \$800 \$800 \$800 \$800	the specified range.  All values < EEV	432 208.1 65.6	mg/L mg/L mg/L mg/L mg/L	Ase	Spectrosphotometry (Calazimetry) Datashind Cargem Meter (Circ trode) Gravimetric stratylos Ion Chromonography Spectrosphotometry (Calazimetry)	APIAL J ANNIA "Standard Methodia"	C2300, Casar finetre, calaurimetre parted Method C330 û 24400 Sethod 61300		exceeded the licence limit of 6.0 pH units with a resu 5.4 pH units on both dates. On the 11,02/2013 sample result exceed the licen
	Emissions to sweer	Watewater/Sewer Watewater/Sewer Watewater/Sewer Watewater/Sewer Watewater/Sewer Watewater/Sewer	COO BOO Supended Solids Sulphate Cetergents (se MBAS) Fast, Oils and Gresses	composite  composite  composite  composite  composite	Monthly Quarterly Monthly  Acasterly  Quarterly  Quarterly  Quarterly	Morethly Quarterly Morethly Quarterly Quarterly Quarterly Quarterly	2000 2000 1000 1000 500 200	the specified range.  All values < EEV	412 208.1 65.6 0.302	mg/L mg/L mg/L mg/L mg/L mg/L	comments bool  no \$14 our pease were destals in  yer  yer  yer  yer  yer	Spectrophet ametry (Calarimetry)  Dissolved Copper Meier (Chectrobe)  Gravimetric analysis  Ion Oronningraphy  Spectrophet ametry (Calarimetry)  Gravimetric analysis	APINA, FARMA "Tanabari Mehician"	15300, Candi prins, colourimento montale de anno 1530 à de		exceeded the licence limit of 6.0 pH units with a res. 5.4 pH units on both dates. On the 11,02/2013 sample result exceed the licen
	Embolions to sweer	Watewater/Sower Watewater/Sower Watewater/Sower Watewater/Sower Watewater/Sower Watewater/Sower Watewater/Sower	COD SIGNATOR SURFACE Surpended Surfels Surpended Surfels Surpended Surfels Surpended Surfels Surpended Surfels Surpended Surfels Annotation Surfels Annotation Surfels	composite composite composite composite composite composite composite	Marchly  Quarterly  Marchly  Marchly  Guarterly  Quarterly  Quarterly  Quarterly  Quarterly	Mostally Quarterly Mostally Quarterly Quarterly Quarterly Quarterly Quarterly	3000 10000 10000 10000 500 100 100	the specified range.  All values of EEV	432 306.1 45.6 0.302 289 19244	mgh. mgh. mgh. mgh. mgh. mgh. mgh. mgh.	comments bool  no \$14 our pease were destals in  yer  yer  yer  yer  yer	Spectrophet ametry (Calazimetry) Dissolved Coppen Meier (Canazimetry) Gravimetric analysis Ion Chromotography Spectrophet ametry (Calazimetry) Gravimetric analysis Spectrophet ametry (Calazimetry)	APINA / MOVINA "Tasukard Membada"	15305 Care first, colourness or water first, colourness or water first f		exceeded the licence limit of 6.0 pH units with a res. 5.4 pH units on both dates. On the 11,02/2013 sample result exceed the licen
	Continuous to seware	With the state of female	COD SIDD Suspended Stills, Sulphote Colorgenin (as MEAS) Fatt, Olls and Greane Ammonia (as NI Grey phosphorate (as POS) Inglessanous Pages calculus Pages calculus	compacite	Marthly Questerly Morthly Questerly Questerly Questerly Questerly Questerly Questerly Questerly Questerly Questerly	Mostbly Quarterly Mostbly Quarterly Guarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Mostbly	1900 1900 1900 1900 1900 1900 1900 1900	the specified range. All ranker of EEV	004 1 004 1	### #### #### ########################	COMMINISTRATION OF THE PROPERTY OF THE PROPERT	Spenisphosovery (Colomony) Statistical Cogges Mater (Statistical) Granderfor analysis  for Oreandary subject  for Oreandary Spring Spenisphosovery (Colomony) Spenisphosovery (Colomony	2004 (2004) Special Statement	2000, Clear Mich., Clear Landy,		exceeded the licence limit of 6.0 pH units with a res. 5.4 pH units on both dates. On the 11,02/2013 sample result exceed the licen
	Emissions to sewer	With and Art James With	COD BOD Suspended Strifes Sulphone Sulphone Detergence (ps MMAS) Falls, Olls and Grasses Announce (ps MMAS) Wildoutschloss Physics (ps MMAS) Physics (ps MMA	composite compos	Morthly  Questerly  Questerly  Questerly  Questerly  Questerly  Questerly  Questerly  Questerly  Questerly  Morthly  Morthly  Morthly  Morthly	Monthly Quarterly Monthly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Administrative Monthly Monthly Monthly	100 100 100 100 100 100 100 100 100 100	the specified range. All ranker of EEV	306.1 506.1 61.6 0.202 29.2 19.844 7.294	magh,	comments tool of programme and another to prog	Special Control of Con	ANN A FAMON SENSON PROCESSOR AND A FAMON AND A FAMON SENSON AND A FAMON A FAMO	GORG Clase Mark, classifiers  Mental 100 8  SARO  SARO		menderal file does not sell of it in prime the sell of
	Emissions to sewer	Wilder and Art James Wilder Wilder Wilder Wilder	COO BOO Surgended Sulfet, Sulphane Detergenin (se MEAS) Fats, Olls and Grosse And Onderson (se MEAS) Onthophosphane (se POI) Sulphane (se POI) Grand-Sulphane Sulphane Sulphane Sulphane Sulphane Sulphane Sulphane Sulphane	composite compos	Murchly  Querterly  Murchly  Querterly  Querterly  Querterly  Querterly  Querterly  Querterly  Querterly  Querterly  Murchly  Murchly  Murchly	Marthy  Garterily  Marthy  Marthy  Marthy	100 100 100 100 100 100 100 100 100 100	the specified range. All ranker of EEV	004 1 004 1	### ### ### ### ### ### ### ### #### ####	generates bad comments bad comm	Speringhamony (Contrarel) Contrarel Cognitive (Section) Contrarel Cognitive (Section) Contrarel cutique  to Chromolography  Speringhamony (Contrarel)	Men. J. Men N. Special Editional States (Med. J. Men. Special Editional States (Men. J. Men. Special Editional States (Men. J. Men. Special Editional States (Men. Special Editional States (Men. Special Editional States (Men. J. Men. Special Editional States (Men. J. Men. Men. Special Editional States (Men. J. Men. Men. J. Men. Men. Special Editional States (Men. J. Men. Men. Special Editional States (Men. J. Men. J. Men. Men. Special Editional States (Men. J. Men. Men. Special Editional States (Men. J. Men. J. Men. Men. Special Editional States (Men. J. Men. J. Men. Men. Special Editional States (Men. J. Men. J. Men. Men. Special Editional States (Men. J. Men. J. Men. J. Men. Men. Special Editional States (Men. J. Men. J. Men. J. Men. Men. Special Editional States (Men. J. Men. J	2000, Clear Mich., Clear Land S. Section 1.00 is 3 Section 1.00 is		Amended file for the control of all per distinct in
	Emissions to sewer	With and Art James With	COD BOD Suspended Strifes Sulphone Sulphone Detergence (ps MMAS) Falls, Olls and Grasses Announce (ps MMAS) Wildoutschloss Physics (ps MMAS) Physics (ps MMA	composite compos	Morthly  Questerly  Questerly  Questerly  Questerly  Questerly  Questerly  Questerly  Questerly  Questerly  Morthly  Morthly  Morthly  Morthly	Monthly Quarterly Monthly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Administrative Monthly Monthly Monthly	100 100 100 100 100 100 100 100 100 100	the specified range. All ranker of EEV	506.1 506.1 50.6 50.20 299.2 11244 7.224 5066 7.3 212.13	magh,	ommons bad of the property of	Special Control of Con	ANN A FAMON SENSON PROCESSOR AND A FAMON AND A FAMON SENSON AND A FAMON A FAMO	2000, Count Marks, classraters  Montal 104 8  Montal 104 9  Montal 105 0  Montal 105 0		Amendment of the control and of all produces the control and contr
	Emissions to sewer	Wilder and Art James Wilder Wilder Wilder Wilder	COO BOO Surgended Sulfet, Sulphane Detergenin (se MEAS) Fats, Olls and Grosse And Onderson (se MEAS) Onthophosphane (se POI) Sulphane (se POI) Grand-Sulphane Sulphane Sulphane Sulphane Sulphane Sulphane Sulphane Sulphane	composite compos	Murchly  Querterly  Murchly  Querterly  Querterly  Querterly  Querterly  Querterly  Querterly  Querterly  Querterly  Murchly  Murchly  Murchly	Marthy  Garterily  Marthy  Marthy  Marthy	100 100 100 100 100 100 100 100 100 100	the specified range. All ranker of EEV	93 208.1 65.6 0.20 28.2 19.444 7.294 0.06 13 20.2.12 43.6	### ### ### ### ### ### ### ### #### ####	Secretary and Se	Speringhamony (Contrarel) Contrarel Cognitive (Section) Contrarel Cognitive (Section) Contrarel cutique  to Chromolography  Speringhamony (Contrarel)	Men. J. Men N. Special Editional States (Med. J. Men. Special Editional States (Men. J. Men. Special Editional States (Men. J. Men. Special Editional States (Men. Special Editional States (Men. Special Editional States (Men. J. Men. Special Editional States (Men. J. Men. Men. Special Editional States (Men. J. Men. Men. J. Men. Men. Special Editional States (Men. J. Men. Men. Special Editional States (Men. J. Men. J. Men. Men. Special Editional States (Men. J. Men. Men. Special Editional States (Men. J. Men. J. Men. Men. Special Editional States (Men. J. Men. J. Men. Men. Special Editional States (Men. J. Men. J. Men. Men. Special Editional States (Men. J. Men. J. Men. J. Men. Men. Special Editional States (Men. J. Men. J. Men. J. Men. Men. Special Editional States (Men. J. Men. J	COMO, Court Marks, citacinates  Membra 100 8  Membra 100 9  Membra 100 9		Amendment of the control control of all profits the control co
	Conditions to seware Condition	Microsoft of June 1 Microsoft of June 1 Microsoft of June 2 Micros	COD  ADD  Segmented fortito  Leigname of totals  Company in totals()  Seminorial fortito  Seminorial fortito  Seminorial fortito  Seminorial fortito  Amenical just ()  Amenical just ()  Amenical just ()  Amenical just ()  Segmented fortito	composite compos	Marchly Guerterly  Marchly  Guerterly  Marchly  Marchly  Marchly  Marchly  Marchly	Manthy  Governity  Manthy  Governity  Governity  Governity  Governity  Governity  Governity  Governity  Governity  Manthy  Manthy  Manthy  Manthy	100 100 100 100 100 100 100 100 100 100	the specified range. All ranker of EEV	93 984 984 984 984 984 984 984 984 984 984		General Control Contro	Seminative and processing of the control of the con	2004 / MORNE "Special Statistics" 2004 /	COMO, Court Marks, citacinates  Membra 100 8  Membra 100 9  Membra 100 9		Annual and the color of the col
	Account to severe the control of the	Note that and of format Note Note Note Note Note Note Note Not	COD  EXPLORED TO THE SERVICE OF THE	competite discrete discrete	Murchly  Querterly  Murchly  Querterly  Querterly	Monthly  Guesterly  Monthly  Questerly  Questerly  Questerly  Questerly  Questerly  Questerly  Assembly  Monthly  Monthly  Monthly  Monthly  Questerly  Questerly  Monthly  Questerly	300 100 100 100 100 100 100 100 100 100	the specified range. All ranker of EEV	93 208.1 65.6 0.20 28.2 19.444 7.294 0.06 13 20.2.12 43.6	egs.		Section of the Community (Contractor)  Contractor and policy (Contractor)  Contractor and policy (Contractor)  In Contractor and policy (Contractor)  Generally and policy (Contractory)  Contractor and policy (Contractory)  Contractor and policy (Contractory)  Generally and policy (Contractory)  particles (Decode)  Contractory (Contractory)  generally (Contractory)	2004 / MORNE "Special Statistics" 2004 /	COMO, Court Marks, citacinates  Membra 100 8  Membra 100 9  Membra 100 9		Annual and the color of the col

AER Monitoring returns summa	y template-WATER/	WASTEWATER[SEWER]				Lic No:	W0240-01					
Continuous monitoring												Additional information
S Does your site carry out continuous emiss	ions to water/sewer monit	aring?			No							
If yes please summarise your continuous	monitoring data below in	Table W4 and compare it to its	relevant Emission Limit V.	alue (KLV)								
6 Did continuous monitoring equipment exp	erience downtime? If yes p	please record downtime in table	W4 below		SELECT							
7 Do you have a proactive service contract f	or each piece of continuou	monitoring equipment on site?			SELECT							
8 Did abatement system bygass occur during			w		SELECT							
Table W4: Summary of average	rmissions -continuo	us monitoring										
Emission reference no:		Parameter/Substance	SLV or trigger values in Scence or any revision thereof	Averaging Period	Compliance Criteria	Units of measurement	Annual Smission for current reporting year (kg)	% change +/- from previous reporting year	Monitoring Equipment downtime (hours)	Number of ECV exceedences in reporting year	Comments	
	SELECT	SELECT		SELECT	SREET	SELECT						
	SELECT	SELECT		SELECT	SELECT	SELECT						
note 1: Volumetric flow shall be included a	s a reportable parameter.											
Table W5: Abatement system by	pass reporting table											
Date	Duration (hound)	Secation	Resultant emissions	Reason for bypaus	Corrective action*	Was a report submitted to the EPA?	When was this report submitted?					
ļ			_	-	_	SELECT						

Bund testing dropdown menu click to see options Are you required by your flience to undertake integrity testing on bunds and containment structures or site, in addition all bunds which failed the integrity test-all bunding structures which failed including mobile bunds must be 1 listed in the table below 2 Please provide integrity testing frequency period Does the site maintain a register of bunds, underground pipelines (including stormwater and foul), Tanks, sumps and containers? (containers refers to 3 *Chemistore* type units and mobile bunds) 4 how many bunds are on site? 5 how many of these bunds have been tested with the required test schedule? 6 how many mobile bunds are on site? 7 her the mobile bunds included in the bund test schedule? 9 How many sumps on site are included in the integrity test schedule? 9 How many sumps on site are included in the integrity test schedule? 9 How many sumps on site are included in the integrity test schedule? 1 Do all sumps and chambers have high level fliquid almans? 1 If yes to Q11 are these failsafe systems included in a maintenance and testing programme?  Table 81: Summary details of bund /containment structure integrity test	
Are you required by your licence to undertake integrity testing on bunds and containment structures of listed in the table below  1 listed in the table below  2 Please provide integrity testing frequency period  3 "Chemstore" type units and mobile bunds  4 how many bunds are on site?  5 How many of these bunds have been tested within the required test schedule?  6 How many mobile bunds have been tested within the required test schedule?  7 Are the mobile bunds included in the integrity tests chedule?  8 How many of these mobile bunds have been tested within the required test schedule?  9 How many sumps on site are included in the integrity tests chedule?  10 How many of these sumps are integrity tested within the test schedule?  10 Lo all sumps and chambers have high level liquid alarms?  11 Do all sumps and chambers have high level liquid alarms?  12 If yes to Q11 are these fallsafe systems included in a maintenance and testing programme?	
1 listed in the table below 2 Please provide integrity testing frequency period Does the site maintain a register of bunds, underground pipelines (including stormwater and foul), Tanks, sumps and containers? (containers refers to 3 "Chemstore" type units and mobile bunds are on site? 4 How many bunds are on site? 5 How many of these bunds have been tested with the required test schedule? 6 How many mobile bunds are on site? 7 Are the mobile bunds are on site? 9 Are the mobile bunds are on site? 1 How many of these bunds have been tested with the required test schedule? 1 How many of these mobile bunds included in the bund test schedule? 1 How many of these mobile bunds have been tested with the required test schedule? 1 How many of these sumps are integrity tested within the test schedule? 1 How many of these sumps are integrity tested within the test schedule? 1 Do all sumps and chambers have high level liquid alarms? 1 I Do all sumps and chambers have high level liquid alarms? 1 If yes to Q11 are these fallsafe systems included in a maintenance and testing programme?	
2 Please provide integrity testing frequency period Does the site maintain a register of bunds, underground pipelines (including stormwater and foul), Tanks, sumps and containers? (containers refers to 3 'Chemstore' type units and mobile bunds) 4 How many bunds are on site? 5 How many of these bunds have been tested within the required test schedule? 6 How many mobile bunds are on site? 7 Are the mobile bunds included in the bund test schedule? 8 How many of these mobile bunds have been tested within the required test schedule? 9 How many of these mobile bunds have been tested within the required test schedule? 10 How many of these sumps are integrity test schedule? 10 How many of these sumps are integrity test schedule? 10 Lo all sumps and chambers have high level liquid alarms? 11 Do all sumps and chambers have high level liquid alarms? 12 If yes to Q11 are these falisafe systems included in a maintenance and testing programme?	
Does the site maintain a register of bunds, underground pipelines (including stormwater and foul), Tanks, sumps and containers? (containers refers to 3 "Chemistore" type units and mobile bunds are on site? 3 How many of these bunds have been tested within the required test schedule? 6 How many mobile bunds are on site? 7 Are the mobile bunds included in the bund test schedule? 8 How many of these mobile bunds included in the integrity test schedule? 9 How many of these mobile bunds have been tested within the required test schedule? 9 How many of these smobile bunds have been tested within the required test schedule? 10 How many of these sumps are integrity tested within the test schedule? 10 How many of these sumps are integrity tested within the test schedule? 11 Do all sumps and chambers have high level liquid alarms? 12 If yes to Q11 are these falsafe systems included in a maintenance and testing programme?	
3 "Chemstore" type units and mobile bunds) 4 How many bunds are on site? 5 How many nobile bunds have been tested with the required test schedule? 6 How many mobile bunds are on site? 7 Are the mobile bunds included in the integrity test schedule? 8 How many of these mobile bunds have been tested with the required test schedule? 9 How many sumps on site are included in the integrity test schedule? 10 How many of these mobile bunds have been tested with the required test schedule? 10 How many of these sumps are integrity tested within the test schedule? 11 Do all sumps and chambers have high level liquid slarms? 12 If yes to Q11 are these fallsafe systems included in a maintenance and testing programme?	
4 How many bunds are on site? 5 How many of these bunds have been tested witin the required test schedule? 6 How many mobile bunds are on site? 7 Are the mobile bunds included in the bund test schedule? 8 How many of these mobile bunds have been tested within the required test schedule? 9 How many sumps on site are included in the integrity test schedule? 9 How many sumps on site are included in the integrity test schedule? 10 How many of these sumps are integrity tested within the test schedule? 10 How many of these sumps are integrity tested within the test schedule? 11 Do all sumps and chambers have high level liquid alarms? 12 If yes to Q11 are these failsafe systems included in a maintenance and testing programme?	
5 How many of these bunds have been tested witin the required test schedule? 6 How many mobile bunds are on site? 7 Are the mobile bunds included in the bund test schedule? 8 How many of these mobile bunds have been tested with the required test schedule? 9 How many wapps on site are included in the integrity test schedule? 10 How many of these sumps are integrity tested within the test schedule? 10 How many of these sumps are integrity tested within the test schedule? 11 Do all sumps and chambers have high level liquid alarms? 12 If yes to Q11 are these failsafe systems included in a maintenance and testing programme?	
6 How many mobile bunds are on site? 7 Are the mobile bunds included in the bund test schedule? 8 How many of these mobile bunds included in the integrity test devit in the required test schedule? 9 How many sumps on site are included in the integrity test devithin the test schedule? 10 How many sumps or site are included in the integrity test devithin the test schedule? 9 How many sumps are integrity tested within the test schedule? 9 How many sumps are integrity tested within the test schedule? 9 How sumps are integrity failures in table 8. 11 Do all sumps and chambers have high level liquid alarms? 12 If yes to Q11 are these failsafe systems included in a maintenance and testing programme?	
7 Are the mobile bunds included in the bund test schedule? 8 How many of these mobile bunds have been tested within the required test schedule? 9 How many sumps on site are included in the integrity test schedule? 10 How many of these sumps are integrity test schedule? 10 How many of these sumps are integrity tested within the test schedule? 10 Bunds any sump integrity failures in table 8.1 11 Do all sumps and chambers have high level liquid alarms? 12 If yes to Q11 are these failsafe systems included in a maintenance and testing programme?	
9 How many sumps on site are included in the integrity test schedule? 10 How many of these sumps are integrity tested within the test schedule? 10 How many of these sumps are integrity tested within the test schedule? 11 Do all sumps and chambers have high level liquid alarms? 12 If yes to Q11 are these failsafe systems included in a maintenance and testing programme?	
10 How many of these sumps are integrity tested within the test schedule?  Please list any sump integrity failures in table 81  11 Do all sumps and chambers have high level liquid alarms?  12 If yes to Q11 are these failsafe systems included in a maintenance and testing programme?	
Please list any sump integrity failures in table B1 11 Do all sumps and chambers have high level liquid alarms? 12 If yes to Q11 are these failsafe systems included in a maintenance and testing programme?	
11 Do all sumps and chambers have high level liquid alarms?  12 If yes to Q11 are these fallsafe systems included in a maintenance and testing programme?	
12 If yes to Q11 are these failsafe systems included in a maintenance and testing programme?	
Table 81: Summary details of bund /containment structure integrity test	
	Results of
Integrity reports	retest(if in
Bund/Containment maintained on Integrity test failure	Scheduled date current
structure ID Type Specify Other type Product containment Actual capacity Capacity required* Type of integrity test Other test type Test date site? Results of test explanation <50 words Corrective action take	n for retest reporting ye
SELECT SELECT SELECT SELECT SELECT	
SELECT   S	
Capacity requires about unique with licena containments and are all structures tested in	
14 line with BS9007/EPA Guidance? bunding and storage guidelines SELECT	
15 Are channels/transfer systems to remote containment systems tested?	
16 Are channels/transfer systems compliant in both integrity and available volume?	
Pipeline/underground structure testing	
repense given a vocation example.  Are you required by your licence to undertake integrity testing on underground structures e.g. pipelines or sumps etc ? if yes please fill out table 2 below listing all	
Are you required by your incince to undertake meging visions and understance and the integrity test.  Yes  Underground structures and pipelines on site with failed the integrity test.	
2 Please provide integrity testing frequency period 3 years	
Table 82: Summary details of pipeline/underground structures integrity test	
Type of secondary containment	
containment Integrity test	
Containment Integrity test Does this structure have Integrity reports failure explanation Corrective action Scheduled date Results of retest(if in current	
Containment Containment Integrity test failure explanation Corrective action Scheduled date Results of retest [if in current 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)	
Containment Integrity test Does this structure have Integrity reports failure explanation   Corrective action   Scheduled date   Results of retest(if in current	
Containment Containment Integrity test failure explanation Corrective action Scheduled date Results of retest [if in current 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)	
Containment Integrity test Integrity test  Does this structure have 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)	
Containment   Integrity test   Integrity reports   Integrity rest   In	
Containment Untegrity test failure explanation Corrective action Scheduled date Results of retest [if in current failure explanation of site?]  Structure ID Type system Material of construction: Secondary containment? Type integrity testing maintained on site? Results of test <50 works taken for retest reporting year)	
Structure ID Type system Material of construction: Secondary containment?  SELECT SELE	
Containment Untegrity test Integrity test  Does this structure have Structure ID Type system Material of construction: Secondary containment? Type integrity testing maintained on site? Results of test (so fixed to some site of the containment) Secondary containment? Type integrity testing maintained on site? Results of test (so fixed to some site of the containment) Secondary containment? Type integrity testing maintained on site? Results of test (so fixed to some site of the containment) Secondary containment? Type integrity testing maintained on site? Results of test (so fixed to some site of the containment) Secondary containment?	
Structure ID Type system Material of construction: Secondary containment?  SELECT SELE	
Containment    Containment   C	

## Groundwater/Soil monitoring template W0240-01 Lic No: Year 2013 Comments 1 Are you required to carry out groundwater monitoring as part of your licence requirements? 2 Are you required to carry out soil monitoring as part of your licence requirements? <sup>3</sup> Do you extract groundwater for use on site? If yes please specify use in comment section no <sup>4</sup> Is there contaminated land and /or groundwater on site? If yes please answer q's 5-12 5 Is the contamination related to operations at the facility (either current and/or historic) SELECT 6 Have actions been taken to address contamination issues?If yes please summarise remediation strategies proposed/undertaken for the site SELECT SELECT 7 Please specify the proposed time frame for the remediation strategy 8 Is there a licence condition to carry out/update ELRA for the site? SELECT 9 Has any type of risk assesment been carried out for the site? SELECT SELECT 10 Has a Conceptual Site Model been developed for the site? 11 Have potential receptors been identified on and off site? SELECT 12 Is there evidence that contamination is migrating offsite? SELECT

**Table 1: Upgradient Groundwater monitoring results** 

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

<sup>.+</sup> where average indicates arithmetic mean

 $<sup>. + +</sup> maximum \ concentration \ indicates \ the \ maximum \ measured \ concentration \ from \ all \ monitoring \ results \ produced \ during \ the \ reporting \ year$ 

Groundy	water/Soil m	nonitoring t	emplate		Lic No:	W0240-01		Year	2013			
Table 2:	Downgradie	ent Ground	water monito	oring results								
Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration		******	GTV's*	SELECT**	% change in average concentration previous year +/-	Upward trend in yearly average pollutant concentration over last 5 years of monitoring data	
							SELECT SELECT				SELECT SELECT	
please not	e exceedance of	a relevant Groun				nical status are being						
* please not **Dependir			confirm	n whether the criteria for p	ooor groundwater cher							
**Dependir	ng on location of	the site and pro	confirm kimity to other ser er compare to Suri	n whether the criteria for positive receptors alternative face Water Environmental	poor groundwater cher re Receptor based Wate Quality Standards (SW	er Quality standards s	met.	Surface_	regulations	(private supply)	Drinking water (public	Guidel
**Dependir	ng on location of . if the site is clos	the site and pro	confirm kimity to other ser er compare to Suri	n whether the criteria for passitive receptors alternative	poor groundwater cher re Receptor based Wate Quality Standards (SW	er Quality standards s	met. should be used in addition to	Surface water EQS			Drinking water (public supply) standards	Guideli
**Dependir	ng on location of	the site and pro	confirm kimity to other ser er compare to Surl compare r	n whether the criteria for positive receptors alternative face Water Environmental	poor groundwater cher re Receptor based Wate Quality Standards (SW	er Quality standards s	met. should be used in addition to		regulations	(private supply)		Interim Guideli Values
**Depending the GTV e.g.  Table 3:	ng on location of . if the site is clos Soil results Sample location	the site and prove to surface wate	confirm kimity to other ser er compare to Surl compare r	n whether the criteria for positive receptors alternative face Water Environmental esults to the Drinking Wat	ooor groundwater cher e Receptor based Wate Quality Standards (SW eer Standards (DWS)	er Quality standards s EQS), if the site is clo Average Concentration	met. should be used in addition to se to a drinking water supply		regulations	(private supply)		Guideli

## **Environmental Liabilities template**

Lic No:

W0240-01

Year

2013

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

_					
Co	m	m	Δr	ゖっ	rv

1	ELRA initial agreement status		ELRA prepared by OCM and submitted
1	ELNA IIIItidi agreement status	Submitted and not agreed by EPA;	to the EPA in April 2011
2	ELRA review status		
			€58,552 to cover decomissioning and
			Site closure; AES has arranged insurance
			cover of €13,000,000 to cover liability
			arising from damage to property and
			injury to third parties as a result of
			sudden and unforeseen environmental
3	Amount of Financial Provision cover required as determined by the latest ELRA	Specify	impairment.
4	Financial Provision for ELRA status	Submitted and not agreed by EPA;	
5	Financial Provision for ELRA - amount of cover	Specify	23062.5
		Public Liability Insurance with	
		Environmental Impairment Liability	
6	Financial Provision for ELRA - type	cover,	
7	Financial provision for ELRA expiry date	Enter expiry date	
		Closure plan submitted and not	
8	Closure plan initial agreement status	agreed by EPA	
9	Closure plan review status	Review required and not completed	
10	Financial Provision for Closure status	Submitted and not agreed by EPA;	
11	Financial Provision for Closure - amount of cover	Specify	€58,552
		Public Liability Insurance with	
12	Financial Provision for Closure - type	Environmental Impairment Liability	
13_	Financial provision for Closure expiry date	Enter expiry date	

Environmental Management Programme/Continuous Improvement Programm	ne template	Lic No:	W0240-01	Year	201
Highlighted cells contain dropdown menu click to view		Additional Information			
Do you maintain an Environmental Mangement System (EMS) for the site. If yes, please detail in		incoporating Environm and Quality (ISO9002:2 onsite cooperation	a fully NSAI accredited Integrated Management tental (to ISO 14001:2004), Health & Safety (OH: 000). These management systems are maintain with the environmental officers and dedicated saudited on a bi-annual basis internally and exte	SAS 18000) ed through systems	
	Yes	Yes an aspects registe	annual basis. er is maintained onsite and updated on an annu	al review	
Does the EMS reference the most significant environmental aspects and associated impacts on-site	Yes		basis		
Does the EMS maintain an Environmental Management Programme (EMP) as required in accordance with the licence requirements	Yes	· · · · · · · · · · · · · · · · · · ·	ectives and targets are set on an annual basis ar against targets is reviewed quarterly	nd progress	
Do you maintain an environmental documentation/communication system to inform the public on environmental performance of the facility, as required by the licence	Yes	A file is available to v	riew by members of the public at the facility if re	equested	

Environmental Management Programme	(EMP) report				
Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes
Waste reduction/Raw material usage efficiency	Roll out glass bin to limerick city area	90		Section Head	increased Recyclate generated
Reduction of emissions to Air	Eliminate the frequency of breach of Emission limit values in Dust	60	Increased yard sweeping and general housekeeping	Individual	Reduced emissions
Reduction of emissions to Water	Improve the quality of storm water discharges	10	Set interim Trigger values for stormw ater discharges	Individual	Reduced emissions
Waste reduction/Raw material usage efficienc	Reduce water consumption for bin washing by 50% in 2013		Install Rainwater harvesting tank to collect rainwater for use in Bin wash area	Individual	Improved Environmental Management Practices
Waste reduction/Raw material usage efficienc	Reduce water consumption for bin washing by 50% in 2013		Modify Bin washing technique - employ a mechanical rotating jet washer .	Individual	Conservation of natural resources
	Reduce water consumption for bin washing by 50% in 2013		Install an additional rainwater harvester to collect rainwater from the main waste processing building	Individual	Conservation of natural resources
Groundwater protection	Zero risk to groundwater from site activities	10	Conduct monthly site walkovers to assess the intergitry of the yard concrete and replace any broken sections of concrete on an annual basis	Individual	Improved Environmental Management Practices
Energy Efficiency/Utility conservation	Reduce road diesel consumption by 15% in 2014	20	Introduce Spilt body waste collection vehicles in North Tipperary allowing 2 waste streams to be collected simultaneously and therefore reducing the number of trucks on the routes	Section Head	Reduced emissions
SFLECT	2014	SELECT	Toutes		SELECT SELECT
SELECT		SELECT			SELECT

Noise monitoring summary report	Lic No:	W0240-01	Year	2013
1 Was noise manitoring a license requirement for the AFD nation?		V		
1 Was noise monitoring a licence requirement for the AER period?  If yes please fill in table N1 noise summary below		Yes	1	
	Noise			
2 Was noise monitoring carried out using the EPA Guidance note including completion of the "Checklist for	<u>Guidance</u>	Yes		
noise measurement report" included in the guidance note as table 6?	note NG4			
3 Does your site have a noise reduction plan		No		
4 When was the noise reduction plan last updated?				
<sup>5</sup> Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since the last	noise survey	, No		

Table N1: Noi	ise monitoring s	summary									
Date of monitoring	Time period	Noise location (on site)	Noise sensitive location NSL (if applicable)	$LA_{eq}$	LA <sub>90</sub>	LA <sub>10</sub>	LA <sub>max</sub>	Tonal or Impulsive noise* (Y/N)		Comments (ex. main noise sources on site, & extraneous noise ex. road traffic)	Is <u>site</u> compliant with noise limits (day/evening/night)?
12/11/2013	9.05-9.35	N1		55	51	58	72	No	SELECT	Onsite noise sources included the power washing of wheelie bins in the yard, AES	У
12/11/2013	12.32-13.02	N1		54	50	56	70	No		trucks entering and exiting the facility and the occasional beeping when reversing the vehicles, banging of doors, rattling of chains	
13/11/2013	9.03-9.33	N1		57	52	58	79	No		on skips. The higher SPL value recorded on the 3rd round was primarily due to heavier road traffic passing on the Limerick Road during the busy morning hours (9:02-	
12/11/2013	9.37-10.07	N2		55	50	56	72	No			
12/11/2013	14.00-14.30	N2		54	45	56	73	No		Onsite activities included power washing from the front of the site, the movement of vehicles in the yard, and lorry's idling on the	
13/11/2013	9.40-10.10	N2		53	48	56	67	No		weighbridge. Off site noise sources included constant road traffic which was continuously faintly audible in the distance The main source of onsite noise at this	
12/11/2013	10.11-10.41	N3		55	49	56	72	No		location was due to the engine of trucks left running in the yard while waiting to enter the	
12/11/2013	14.32-15.02	N3		54	46	56	77	No		waste storage/reception shed. The sorting of recyclables in the waste storage area attributed to the remainder of site noise	
13/11/2013	10.13-10.43	N3		55	49	58	75	No		including reversing alarms, chains rattling on skips	
12/11/2013	10.49-11.19	N4		53	49	55	62	No		Road traffic was the dominant source of noise at this monitoring location, including; constant traffic on the Dark, N52 and	
12/11/2013	15.05-15.35	N4		51	46	54	71	No		Kilcolman Roads. The higher SPL value recorded on the 3rd round of monitoring	
13/11/2013	12.25-12.55	N4		56	50	59	70	No		was primarily due to heavier road traffic passing on the Limerick Road.	

								No	
12/11/2013	11.23-11.53	NSL1		54	50	57	70		Noise attributed to AES activities included; vehicles entering/exiting the facility, the
12/11/2013	15.39-16.09	NSL1		53	47	56	73	No	general humming noise from operations within the main reception shed (faintly audible) and intermittent power washing of wheelie bins (faintly audible).Off-site noise
13/11/2013	11.06-11.36	NSL1	Between garage and house, across the road and ca. 20m from entrance to AES	55	38	59	74	No	sources included constant heavy traffic on the Limerick (N52), Kilcolman and Dark roads. Intermittent banging & air tool use from Comerford's garage (15m) was also occasionally audible
12/11/2013	3 11.58-12.28	NSL2		45	42	48	62	No	Site activity was only faintly audible at this
12/11/2013	16.15-16.45	NSL2		45	42	47	60	No	location and included; lorry engines and occasional reversing alarms. The dominant source of noise at this location was due to
13/11/2013	3 11.50-12.20	NSL2	House, ca. 150m west of AES	48	45	50	55	No	road traffic on the N52 (Limerick) and Kilcolman Roads

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

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

nothing\*\*

 $\begin{tabular}{ll} ** please explain the reason for not taking action/resolution of noise issues? \end{tabular}$ 

Slight exceedances were due to offsite activities

Resource Usage/Energy efficiency summary	Lic No:	W0240-01	Year	2013

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

Is the site a member of any accredited programmes for reducing energy usage/water conservation such
as the SEAI programme linked to the right? If yes please list them in additional information

Network (LIEN)

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

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

		Additional information
	2010	
-	No	
al	SELECT	

Table R1 Energy usag	e on site						
Energy Use	Previous year	Current year	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*		Conversion	
Total Energy Used (MWHrs)	4695.09	3223.33		Energy consumption per t of waste collected was reduced in 2013 when compared to 2012. Due to the route optimisation programme and the introduction of split bodied trucks.		Kerosene	0.009821 mWh/ltr
Total Energy Generated (MWHrs)						Gasoil	0.010165 mWh/ltr
Total Renewable Energy Generated (	MWHrs)					Med FO	0.010786 mWh/ltr
Electricity Consumption (MWHrs)	29.283	34.38				DERV	0.010169 mWh/ltr
Fossil Fuels Consumption:						Petrol	0.009269 mWh/ltr
Heavy Fuel Oil (m3)	0						
Light Fuel Oil (litres)	458837	313605				2012	2013
Natural gas (CMN)	0				DERV	432000	287997
Coal/Solid fuel (metric tonnes)						26837	25608
Peat (metric tonnes)						4393.008	2928.641493
Renewable Biomass						272.798105	260.30532
Renewable energy generated on site				an as persontage increase or decrea	]	4665.806105	3188.946813

<sup>\*</sup> where consumption of energy can be compared to overall site production please enter this information as percentage increase or decrease compared to the previous reporting year

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

rce Usage/Energy efficiency s	ummary		Lic No:	W0240-01		Year	2
Table R2 Water us	age on site			Water Emissions	Water Consumption		
Water use			 Energy Consumption +/- % vs overall site production*	back to	Volume used i.e not discharged to environment e.g. released as steam m3/yr	Unaccounted for Water:	
Groundwater							
Surface water							
Public supply	1564	1606					
Recycled water							
Total							

<sup>\*</sup> where consumption of water can be compared to overall site production please enter this information as percentage increase or decrease compared to the previous reporting year

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

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

Table R4: Energy A	Table R4: Energy Audit finding recommendations						
Date of audit		Description of Measures proposed	Origin of measures	Predicted energy savings %	Implementation date	Responsibility	Status and comments
			SELECT	3, 3			
			SELECT				
			SELECT				

·	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 o	n Site				

Complaints and Incidents summary template		Lic No:	W0240-01	Year	2013		
Complaints							
		Additional					
		information	_				
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		J				

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

ir ir	Incidents						
				Additional			
				information			
Have any incidents occurred on site in the current reporting year? Pleas	se list all incidents fo	or current reporting year in		Breach of Dust			
Table 2 below			Yes	ELV during Q2;			
	What is an						
*For information on how to report and what constitutes an incident							
To illionation of now to report and what constitutes an incident	HIGGGIR						

Table 2 Incidents summary														
							Activity in							
							progress at							
		Location of	Incident category*please		Cause of	cause(please	time of	Communicatio					Resolution	Liklihood of
Date of occurrence	Incident nature	occurrence	refer to guidance	Receptor	incident	specify)	incident	n	Occurrence	Corrective action<20 words	Preventative action <20 words	Resolution status	date	reoccurence
														1
										Investigation undertaken -				
										assumed that waste was received	waste acceptance procedures were reviewed			
										within a skip or continer that was	and tightened up. Training was provided to			1
		Licenced								washed out in the bin wash area	general operatives onsite to report any			1
		discharge point			Other (add	Unknown	Normal			causing an extreme once off	irregularities on waste profile at waste			
28/01/2013	Breach of ELV	(SE-1)	1. Minor	Sewer	details)	incident	activities	EPA	New	exceedance	reception	Complete		Low
		Licenced				Algal								
		discharge point			Not related to	accumulation	Normal							1
02/05/2013	Breach of ELV	(D2)	1. Minor	Air	site activities	within jar	activities	EPA	New	investigation undertaken - algae an	increased yard sweeping was requested and go	Complete	30/06/2013	Low
		Licenced												
		discharge point			Other (add	Unknown	Normal							1
17/09/2013	Breach of ELV	(SE-1)	1. Minor	Sewer	details)	incident	activities	EPA	New			Complete		1
		Licenced												Į.
		discharge point			Other (add	Unknown	Normal							
16/10/2013	Breach of ELV	(SE-1)	1. Minor	Sewer	details)	incident	activities	EPA	recurring			Complete		
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT

	SELECT
Total number of incidents current	
year	4
Total number of incidents previous	
year	5
% reduction/ increase	

WASTE SUMMARY	Lic No:	W0240-01	Year	2013
SECTION A-PRTR ON SITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETED	BY ALL IPPC AND WASTE FACILITIES	PRTR facility logon	dropdown list click	k to see options

SECTION B- WASTE	ACCEPTED ONTO SITE-TO	BE COMPLETED BY ALL IF	PPC AND WASTE FAC	CILITIES							
							Additional Informatio	n			
	ed onto your site for recovery or dured through PRTR reporting)	lisposal or treatment prior to re	covery or disposal within t	the boundaries of your fac	cility ?; (waste generated within your	Yes					
If yes please enter detail	ls in table 1 below					•					
,,											
Did your site have any re	ejected consignments of waste in t	he current reporting year? If yes	s please give a brief explar	nation in the additional inf	formation	No					
Was waste a	accepted onto your site that was go	enerated outside the Penublic o	of Iraland? If you place sta	ate the quantity in tonner	in additional information	No					
					ude wastes generated at v		these will have	haan ranartad i	n vour PRTR workhook	1	
Licenced annual	EWC code	Source of waste accepted	Description of waste	Quantity of waste	Quantity of waste accepted in	Reduction/Incr	Reason for	Packaging Content (%)-	Disposal/Recovery or	Quantity of	Comments -
tonnage limit for your	EWC code	Source of waste accepted	accepted	accepted in current	previous reporting year (tonnes)	ease over	reduction/increase	only applies if the		waste remaining	comments -
site (total			Please enter an accurate		,	previous year	from previous	waste has a packaging		on site at the	
tonnes/annum)			and detailed description			+/-%	reporting year	component	of this operation	end of reporting	
			- which applies to							year (tonnes)	
	European Waste Catalogue EWC		European Waste								
	codes		Catalogue EWC codes								
	15 01 01			673.50							
		15- WASTE PACKAGING;									
		ABSORBENTS, WIPING							R13-Storage of waste pending		
		CLOTHS, FILTER MATERIALS							any of the operations		
24750		AND PROTECTIVE CLOTHING	Paper and Cardboard		540.40	2201	increased	4000	numbered R1 to R12 (excluding		
24750	15 01 02	NOT OTHERWISE SPECIFIED	Packaging	248.70	548.19	23%	commercial activity	100%	temporary storage)		
	15 01 02	15- WASTE PACKAGING;		240.70							
		ABSORBENTS, WIPING							R13-Storage of waste pending		
		CLOTHS, FILTER MATERIALS							any of the operations		
		AND PROTECTIVE CLOTHING					increased		numbered R1 to R12 (excluding		
		NOT OTHERWISE SPECIFIED	Plastic Packaging		221.79	12%	commercial activity	100%	temporary storage)		
	15 01 03	45 144675 046446446		120.11			51110				
		15- WASTE PACKAGING; ABSORBENTS, WIPING					EWC codes more appropriately		R13-Storage of waste pending		
		CLOTHS. FILTER MATERIALS					applied. Previously		any of the operations		
		AND PROTECTIVE CLOTHING					pallets would be		numbered R1 to R12 (excluding		
		NOT OTHERWISE SPECIFIED	Wooden Packaging		54.89	119%	coded as 17 02 01	100%	temporary storage)		
	15 01 04			0							
		15- WASTE PACKAGING;									
		ABSORBENTS, WIPING CLOTHS. FILTER MATERIALS					waste stream was		R13-Storage of waste pending any of the operations		
		AND PROTECTIVE CLOTHING					sent directly to third		numbered R1 to R12 (excluding		
		NOT OTHERWISE SPECIFIED	metallic packaging		28.35	-100%	part	100%	temporary storage)		
	15 01 06			1.36					. ,		
		15- WASTE PACKAGING;									
		ABSORBENTS, WIPING							R13-Storage of waste pending		
		CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING							any of the operations numbered R1 to R12 (excluding		
		NOT OTHERWISE SPECIFIED	Mixed packaging		0	100%	recoding issue	100%	temporary storage)		
	15 01 07		, , , , , , , , , , , , , , , , , , ,	348.16	-				,		
		15- WASTE PACKAGING;									
		ABSORBENTS, WIPING							R13-Storage of waste pending		
		CLOTHS, FILTER MATERIALS					Expansion of the		any of the operations		
		AND PROTECTIVE CLOTHING	Class Dardensias		324.13	70/	glass collection for	100%	numbered R1 to R12 (excluding		
	17 02 01	NOT OTHERWISE SPECIFIED	Glass Packaging	189.15	324.13	1%	domestic customers	100%	temporary storage)		
	02 0.	17- CONSTRUCTION AND		109.13					R13-Storage of waste pending		
		DEMOLITION WASTES							any of the operations		
		(INCLUDING EXCAVATED SOIL					increased C & D		numbered R1 to R12 (excluding		
		FROM CONTAMINATED SITES)	C & D wood		103.46	83%	activity		temporary storage)		
	17 04 07	47 CONSTRUCTION :::		77.99					242.51		
		17- CONSTRUCTION AND DEMOLITION WASTES							R13-Storage of waste pending any of the operations		
		(INCLUDING EXCAVATED SOIL					increased C & D		any of the operations numbered R1 to R12 (excluding		
		FROM CONTAMINATED SITES	Mixed C & D metals		0	100%	activity		temporary storage)		

WASTE SUMMARY					Lic No:	W0240-01		Year	2013	
	17 05 04			5.84						
		17- CONSTRUCTION AND DEMOLITION WASTES							R13-Storage of waste pending any of the operations	
		(INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Sail and Stones		0	1000/	increased C & D activity		numbered R1 to R12 (excluding temporary storage)	
	17 09 04	FRUIN CONTAMINATED SITES)	Soil and Stories	15.98	0	100%	activity		temporary storage)	
		17- CONSTRUCTION AND							R13-Storage of waste pending	
		DEMOLITION WASTES (INCLUDING EXCAVATED SOIL					AFC d -ffi		any of the operations	
		FROM CONTAMINATED SITES)	Mixed C & D Waste		135.82	-88%	AES ceased offering skips in the area		numbered R1 to R12 (excluding temporary storage)	
	18 01 04			67.96						
		18- WASTES FROM HUMAN OR ANIMAL HEALTH CARE								
		AND/OR RELATED RESEARCH								
		(except kitchen and restaurant								
		wastes not arising from immediate RESEARCH (except							R13-Storage of waste pending	
		kitchen and restaurant wastes							any of the operations	
		not arising from immediate	Non-hazardous				waste reduction at		numbered R1 to R12 (excluding	
	20 01 36	health care) 20- MUNICIPAL WASTES	healthcare wastes	2.8	71.29	-5%	source		temporary storage)	
	25 01 00	(HOUSEHOLD WASTE AND SIMILAR COMMERCIAL.		2.0						
		INDUSTRIAL AND							R13-Storage of waste pending	
		INSTITUTIONAL WASTES) INCLUDING SEPARATELY	Non-hazardous waste						any of the operations numbered R1 to R12 (excluding	
		COLLECTED FRACTIONS	electrical and electronic goods (WEEE)		o	100%			temporary storage)	
	20 01 38		general	1.32	-				,,	
		20- MUNICIPAL WASTES					improved waste			
		(HOUSEHOLD WASTE AND					recording under more appropriate			
		SIMILAR COMMERCIAL,					waste code -			
		INDUSTRIAL AND INSTITUTIONAL WASTES)	Mand for a secondal al				formerly this waste would have been		R13-Storage of waste pending	
		INCLUDING SEPARATELY	Wood from municipal sources seperately				coded as either 15		any of the operations numbered R1 to R12 (excluding	
		COLLECTED FRACTIONS	collected		0	100%	01 03 or 17 02 01		temporary storage)	
	20 01 39	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND		673.87						
		SIMILAR COMMERCIAL,								
		INDUSTRIAL AND							R13-Storage of waste pending	
		INSTITUTIONAL WASTES) INCLUDING SEPARATELY	Plastic from municipal sources collected				increased		any of the operations numbered R1 to R12 (excluding	
		COLLECTED FRACTIONS	seperately		516.37	31%	commercial activity		temporary storage)	
	20 01 40			94.01						
		20- MUNICIPAL WASTES					improved waste recording under			
		(HOUSEHOLD WASTE AND					more appropriate			
		SIMILAR COMMERCIAL, INDUSTRIAL AND					waste code - formerly this waste		043 (4	
		INSTITUTIONAL WASTES)	metals from municipal				would have been		R13-Storage of waste pending any of the operations	
		INCLUDING SEPARATELY	sources seperately				coded as either 15		numbered R1 to R12 (excluding	
	20 02 01	COLLECTED FRACTIONS 20- MUNICIPAL WASTES	collected	10.93	134.16	-30%	01 04 or 17 04 07		temporary storage)	
		(HOUSEHOLD WASTE AND		10.30						
		SIMILAR COMMERCIAL,							040.6	
		INDUSTRIAL AND INSTITUTIONAL WASTES)							R13-Storage of waste pending any of the operations	
		INCLUDING SEPARATELY					increased activity -		numbered R1 to R12 (excluding	
	20 03 03	COLLECTED FRACTIONS	Garden and park waste	209.43	6.88	59%	summer 2013		temporary storage)	
	20 00 00	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND		209.43						
		SIMILAR COMMERCIAL,								
		INDUSTRIAL AND INSTITUTIONAL WASTES)							R13-Storage of waste pending any of the operations	
		INCLUDING SEPARATELY	Street sweeping				waste reduction at		numbered R1 to R12 (excluding	
		COLLECTED FRACTIONS	residues		277.7	-25%	source		temporary storage)	
	17 01 07	17- CONSTRUCTION AND		0.96					R13-Storage of waste pending	
		DEMOLITION WASTES							any of the operations	
		(INCLUDING EXCAVATED SOIL							numbered R1 to R12 (excluding	
		FROM CONTAMINATED SITES)	bricks		0	100%	increased activity		temporary storage)	

ASTE SUMMARY				Lic No:	W0240-01		Year	2013	
20 01 08	20- MUNICIPAL WASTES		1177.43						
	(HOUSEHOLD WASTE AND								
	SIMILAR COMMERCIAL.								
	INDUSTRIAL AND							R13-Storage of waste pending	
	INSTITUTIONAL WASTES)							any of the operations	
		degradable kitchen				increased activity -		numbered R1 to R12 (excluding	
		canteen wastes		1077.22	9%	summer 2013		temporary storage)	
200301C	20- MUNICIPAL WASTES	cunteen wastes	6732.35	1077.22	370	Summer 2015		temporary storage)	
200010	(HOUSEHOLD WASTE AND		0702.00			waste acceptance			
	SIMILAR COMMERCIAL,					waste acceptance was more closely			
						monitored in 2013		013 (4	
	INDUSTRIAL AND							R13-Storage of waste pending	
	INSTITUTIONAL WASTES)					to prevent		any of the operations	
		mmercial) mixed				exceeding licence		numbered R1 to R12 (excluding	
		nicipal waste		8430.21	-20%	tonnage		temporary storage)	
200301D	20- MUNICIPAL WASTES		7944.33						
	(HOUSEHOLD WASTE AND					waste acceptance			
	SIMILAR COMMERCIAL,					was more closely			
	INDUSTRIAL AND				1	monitored in 2013		R13-Storage of waste pending	
	INSTITUTIONAL WASTES)					to prevent		any of the operations	
	INCLUDING SEPARATELY (Doi	mestic) mixed				exceeding licence		numbered R1 to R12 (excluding	
		nicipalwaste		8490.92	-6%	tonnage		temporary storage)	
200301KC	20- MUNICIPAL WASTES		1219.77						
	(HOUSEHOLD WASTE AND								
	SIMILAR COMMERCIAL,								
	INDUSTRIAL AND							R13-Storage of waste pending	
	INSTITUTIONAL WASTES)					increased		any of the operations	
	INCLUDING SEPARATELY Com	nmercial Mixed Dry				segregation at		numbered R1 to R12 (excluding	
		ıclables		1002.29	22%	source		temporary storage)	
200301KD	20- MUNICIPAL WASTES		3421.05					, , ,	
	(HOUSEHOLD WASTE AND					waste acceptance			
	SIMILAR COMMERCIAL.					was more closely			
	INDUSTRIAL AND					monitored in 2013		R13-Storage of waste pending	
	INSTITUTIONAL WASTES)					to prevent		any of the operations	
		nestic Mixed Dry				exceeding licence		numbered R1 to R12 (excluding	
		clables		3578.61	-4%	tonnage		temporary storage)	
200307C	20- MUNICIPAL WASTES	crabics	217.77	3370.01	-7/4	tomage		temporary storage)	
	(HOUSEHOLD WASTE AND		2000		1	1			
	SIMILAR COMMERCIAL,				1	1			
	INDUSTRIAL AND				1	1		R13-Storage of waste pending	
	INSTITUTIONAL WASTES)							any of the operations	
		nmercial Bulky				improved coding		numbered R1 to R12 (excluding	
		ste (Skips)		143.88	F40/	practices		temporary storage)	
200307D	20- MUNICIPAL WASTES	ste (skips)	211.61	143.88	51%	pructices		temporary storage)	
2003075			211.01		1	wasta assantar			
	(HOUSEHOLD WASTE AND				1	waste acceptance			
	SIMILAR COMMERCIAL,				1	was more closely		242.51	
	INDUSTRIAL AND				1	monitored in 2013		R13-Storage of waste pending	
	INSTITUTIONAL WASTES)				1	to prevent		any of the operations	
	INCLUDING SEPARATELY				1	exceeding licence		numbered R1 to R12 (excluding	
	COLLECTED FRACTIONS Don	nestic Bulky Waste		535.67	-60%	tonnage		temporary storage)	
I I					L	1	1		

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

5 Is all waste storage infrastructure as required by your licence and approved by the Agency in place? If no please list waste storage infrastructure required on site

6 Does your facility have relevant nuisance controls in place?

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

es	
ELECT	
es	

Yes	
No	not requirement of our waste licence and odour is not an issue on site
No	

	Υ				Lic No:	W0240-01		Year	201	3			
SECTION D-TO BE	COMPLETED BY LANDFILL S	ITES ONLY											
Table 2 Waste typ	e and tonnage-landfill only												
			Remaining licensed										
Waste types permitted	Authorised/licenced annual intake	Actual intake for disposal in	capacity at end of										
for disposal	for disposal (tpa)	reporting year (tpa)	reporting year (m3)	Comments									
					-								
					]								
Table 3 General in	formation-Landfill only												
										Total disposal	Lined disposal area occupied by	Unlined area	
Area ID	Date landfilling commenced	Date landfilling ceased	Currently landfilling	Private or Public	Inert or non-hazardous	Predicted date to cease	Licence permits	Is there a separate cell	Accepted asbestos in reporting	waste	waste	Ommed area	Co
				Operated		landfilling	asbestos	for asbestos?	year				li
										SELECT UNIT	SELECT UNIT	SELECT UNIT	
Cell 8													
Table 4 Environme	ental monitoring-landfill or	Landfill Manual-Monitoring Sta	ndards										
	<b>J</b>												
Was meterological nonitoring in						Was tonography	Has the statement						
compliance with Landfill	Was leachate monitored in	Was Landfill Gas monitored in	Was SW monitored in			of the site	under S53(A)(5) of						
Directive (LD) standard n reporting year +	compliance with LD standard in reporting year	compliance with LD standard in reporting year	compliance with LD standard in reporting year	Have GW trigger levels	Were emission limit values agreed with the Agency (ELVs)	surveyed in reporting year	WMA been submitted in reporting year	Comments					
i reporting year	reporting year	reporting year	standard in reporting year	occi cambianca	and regency (EEF va)	reporting year	in reporting year	Commence					
	ill Manual linked above for relevan	t Landfill Directive monitoring st	andards		•	•	*		•				
Table 5 Capping-L	andfill only						1						
				Area with waste that									
Area uncapped*	Area with temporary cap			should be permanently									
SELECT UNIT	SELECT UNIT	Area with final cap to LD Standard m2 ha, a	Area capped other	capped to date under licence	What materials are used in the cap	Comments							
please note this include													
Table 6 Leachate-I	<b>Landfill only</b> ite treated in a Waste Water Treati	nont Diant?				SELECT	1						
		nent Plant? ete leachate mass load informat	ion below			SELECT	1						
s leachate released to							4						
s leachate released to	surface water: If yes please comp							-					
S leachate released to  Volume of leachate in	Leachate (BOD) mass load	Leachate (COD) mass load	Leachate (NH4) mass load	Leachate (Chloride)		Specify type of leachate							