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Facility Information Summary	
AER Reporting Year	2012
Licence Register Number	W0068-03
Name of site	Youghal Landfill
Site Location	Foxhole, Youghal, co.Cork
NACE Code	3821
Class/Classes of Activity	5(c), 5(d), 50.1
National Grid Reference (6E, 6 N)	2100E 0800N
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.	Youghal landfill accepted waste at the facility until February 2012. Since that date only cover material (soil and stones) and road building material (suitable C&D material) has been accepted to allow for a "pre-capping" profile to be constructed on Cell 9. This work is continuing into 2013 and a void of 200m3 is still available whenever the management of the facility decide to fill it. A capping design is currently being investigated. The environmental performance of the facility has continued to improve in comparison with previous years. The number of odour complaints plummeted from 76 in 2011 to 4 in 2012. The gas extraction system has continued to perform well with 2 enclosed flares burning off the gas generated. The daily attendance and well leachate removal has ensured increased effective length of the gas wells and, hence, the proper functioning of the system. Minor exceedances have again been measured in the perimeter gas wells but are explained by the estuarine conditions that account for naturally occurring CO2. Both Leachate and groundwater results are similar to previous years. The noise survey was compliant for the year as would be expected with the removal of the large landfill compacting plant from the site. Overall the site has been compliant with its Licence.

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.

 Group/Facility manager (or nominated, suitably qualified and experienced deputy)	26/3/2013 Date
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AIR-summary template	Lic No: W0068-03	Year: 2012
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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

Additional information	
Yes	

Periodic/Non-Continuous Monitoring		
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- 2 Are there any results in breach of licence requirements? If yes please provide brief details in the comment section of TableA1 below

No	
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- 3 Was all monitoring carried out in accordance with EPA guidance note AG2 and using the basic air monitoring checklist? [Basic air monitoring checklist](#) [AGN2](#)

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

Emission reference no:	Parameter/ Substance	Frequency of Monitoring	ELV in licence or any revision thereof	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence limit	Method of analysis	Annual mass load (kg)	Comments -reason for change in % mass load from previous year if applicable
Flare Stack	Methane (CH4)	Continuous	N/A	SELECT	1093405	m3	yes	MAB	25	More CH4 burned off on site than estimated in Gas Model. Nominal weight of 25kg returned to ensure field populated
Flare Stack	Carbon dioxide (CO2)	Continuous	N/A	SELECT	1759370	m3	yes	ISO 12039:2001	119551	Annual mass load refers to difference between measured burn-off and estimate Gas Model value.
Flare Stack	Carbon monoxide (CO)	Continuous	<50mg/Nm3	No 30min mean can exceed the ELV	10.41	mg/Nm3	yes	ISO 12039:2001	37.9	
Flare Stack	Nitrogen oxides (NOx/NO2)	Annual	<150mg/Nm3	No 30min mean can exceed the ELV	14.85	mg/Nm3	yes	EN 14792:2005	54	
Flare Stack	Sulphur oxides (SOx/SO2)	Annual	N/A		842	mg/Nm3	yes	EN 14791:2005	791.3	
	SELECT			No 30min mean can exceed the ELV		SELECT	SELECT	SELECT		
	SELECT			SELECT		SELECT	SELECT	SELECT		

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

AIR-summary template	Lic No: W0068-03	Year: 2012
Continuous Monitoring		

4 Does your site carry out continuous air emissions monitoring?

If yes please review your continuous monitoring data and report the required fields below in Table 3 and compare it to its relevant Emission Limit Value (ELV)

5 Did continuous monitoring equipment experience downtime? If yes please record downtime in table 3 below

6 Do you have a proactive service agreement for each piece of continuous monitoring equipment?

7 Did your site experience any abatement system bypasses? If yes please detail them in table 4 below

Table A2: Summary of average emissions -continuous monitoring

Emission reference no:	Parameter/ Substance	ELV in licence or any revision thereof	Averaging Period	Compliance Criteria	Units of measurement	Annual Emission	Annual maximum	Monitoring Equipment downtime (hours)	Number of ELV exceedences in current reporting year	Comments
Flare Stack	PRTR	N/A	12 month	100 % of values < ELV	m3			279.5	0	Have recorded the combined annual downtime of both Flares at Youghal Landfill in this section. The emissions totals have been submitted in the above table.
	SELECT				SELECT					
	SELECT				SELECT					
	SELECT				SELECT					
	SELECT				SELECT					

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

Table A3: Abatement system bypass reporting table [Bypass protocol](#)

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

* 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

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)

Lic No:

W0068-03

Year

2012

Additional information

1 Does your site have licensed emissions direct to surface water or direct to sewer? If yes please complete table W2 and W3 below for the current reporting year and answer further questions. If you do not have licenced emissions you only need to complete table W1 and or W2 for surface water analysis and visual inspections

2 Was it a requirement of your licence to carry out visual inspections on any surface water discharges or watercourses on or near your site? If yes please complete table W2 below summarising only any evidence of contamination noted during visual inspections

No	
No	

Table W1 Surface water monitoring

Location reference	Location relative to site activities	PRTR Parameter	Licenced Parameter	Monitoring date	ELV or trigger level in licence or any revision thereof*	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Comments
SW1	upstream		pH	Quarterly	No ELV or trigger levels	N/A	7.46	pH units	yes	Median Value for 2012
SW1	upstream		Temperature	Quarterly	No ELV or trigger levels	N/A	11.85	degrees C	yes	Median Value for 2012
sw1	upstream		Conductivity	Quarterly	No ELV or trigger levels	N/A	2,360	µS/cm@25oC	yes	Median value for 2012
SW1	upstream		Dissolved Oxygen	Quarterly	No ELV or trigger levels	N/A	9.26	mg/L	yes	Median Value for 2012
SW1	upstream	Chlorides (as Cl)		Quarterly	No ELV or trigger levels	N/A	2017.5	mg/L	yes	Median value for 2012
SW1	upstream		BOD	Quarterly	No ELV or trigger levels	N/A	1.8	mg/L	yes	Median Value for 2012
SW1	upstream		COD	Quarterly	No ELV or trigger levels	N/A	23	mg/L	yes	Median Value for 2012
SW1	upstream		Ammonia (as N)	Quarterly	No ELV or trigger levels	N/A	0.21	mg/L	yes	Median Value for 2012
SW1	upstream		Suspended Solids	Quarterly	No ELV or trigger levels	N/A	35	mg/L	yes	Median value for 2012
SW1	upstream	Chromium and compounds (as Cr)		Annual	No ELV or trigger levels	N/A	<0.1	µg/L	yes	Annual result
SW1	upstream	Copper and compounds (as Cu)		Annual	No ELV or trigger levels	N/A	0.006	mg/L	yes	Annual result
SW1	upstream	Cadmium and compounds (as Cd)		Annual	No ELV or trigger levels	N/A	0.4	µg/L	yes	Annual result
SW1	upstream		Iron	Annual	No ELV or trigger levels	N/A	272.5	µg/L	yes	Annual result
SW1	upstream	Lead and compounds (as Pb)		Annual	No ELV or trigger levels	N/A	0.7	µg/L	yes	Annual result
SW1	upstream		Magnesium	Annual	No ELV or trigger levels	N/A	20.7	mg/L	yes	Annual result
SW1	upstream		Manganese (as Mn)	Annual	No ELV or trigger levels	N/A	74.8	µg/L	yes	Annual result
SW1	upstream	Mercury and compounds (as Hg)		Annual	No ELV or trigger levels	N/A	0.04	µg/L	yes	Annual result
SW1	upstream		Potassium	Annual	No ELV or trigger levels	N/A	8.8	mg/L	yes	Annual result
SW1	upstream		Sulphate	Annual	No ELV or trigger levels	N/A	40.7	mg/L	yes	Annual result
SW1	upstream		(TON)	Annual	No ELV or trigger levels	N/A	3.089	mg/L	yes	Annual result
SW1	upstream	Zinc and compounds (as Zn)		Annual	No ELV or trigger levels	N/A	23.1	µg/L	yes	Annual result
SW1	upstream	Total phosphorus		Annual	No ELV or trigger levels	N/A	0.15	mg/L	yes	Annual result
SW2	downstream		pH	Quarterly	No ELV or trigger levels	N/A	7.44	pH units	yes	Median Value for 2012
SW2	downstream		Temperature	Quarterly	No ELV or trigger levels	N/A	12.3	degrees C	yes	Median Value for 2012
SW2	downstream		Conductivity	Quarterly	No ELV or trigger levels	N/A	1,625	µS/cm@25oC	yes	Median Value for 2012
SW2	downstream		Dissolved Oxygen	Quarterly	No ELV or trigger levels	N/A	9.12	mg/L	yes	Median Value for 2012
SW2	downstream	Chlorides (as Cl)		Quarterly	No ELV or trigger levels	N/A	5674	mg/L	yes	Median Value for 2012
SW2	downstream		BOD	Quarterly	No ELV or trigger levels	N/A	4.4	mg/L	yes	Median Value for 2012
SW2	downstream		COD	Quarterly	No ELV or trigger levels	N/A	282.5	mg/L	yes	Median Value for 2012
SW2	downstream		Ammonia (as N)	Quarterly	No ELV or trigger levels	N/A	1.18	mg/L	yes	Median Value for 2012
SW2	downstream		Suspended Solids	Quarterly	No ELV or trigger levels	N/A	102.5	mg/L	yes	Median Value for 2012
SW2	downstream	Chromium and compounds (as Cr)		Annual	No ELV or trigger levels	N/A	3.7	µg/L	yes	Annual result for 2012
SW2	downstream	Copper and compounds (as Cu)		Annual	No ELV or trigger levels	N/A	0.021	mg/L	yes	Median Value for 2012
SW2	downstream	Cadmium and compounds (as Cd)		Annual	No ELV or trigger levels	N/A	0.2	µg/L	yes	Median Value for 2012
SW2	downstream		Iron	Annual	No ELV or trigger levels	N/A	633.8	µg/L	yes	Annual result for 2012
SW2	downstream	Lead and compounds (as Pb)		Annual	No ELV or trigger levels	N/A	0.3	µg/L	yes	Median Value for 2012
SW2	downstream		Magnesium	Annual	No ELV or trigger levels	N/A	174.4	mg/L	yes	Median Value for 2012. EQS for SW is 50mg/L. Elevated levels are consistent with previous years and is due to geology of the site.
SW2	downstream		Manganese (as Mn)	Annual	No ELV or trigger levels	N/A	1016.1	µg/L	yes	Annual result for 2012
SW2	downstream	Mercury and compounds (as Hg)		Annual	No ELV or trigger levels	N/A	0.05	µg/L	yes	Median Value for 2012
SW2	downstream		Potassium	Annual	No ELV or trigger levels	N/A	59.1	mg/L	yes	Median Value for 2012
SW2	downstream		Sulphate	Annual	No ELV or trigger levels	N/A	359.4	mg/L	yes	Annual result for 2012
SW2	downstream		Total Oxidised Nitrogen (TON)	Annual	No ELV or trigger levels	N/A	<0.138	mg/L	yes	Median Value for 2012
SW2	downstream	Zinc and compounds (as Zn)		Annual	No ELV or trigger levels	N/A	13.3	µg/L	yes	Median Value for 2012
sw2	downstream	Total phosphorus		Annual	No ELV or trigger levels	N/A	0.25	mg/L	yes	Annual result for 2012
SW3	downstream		pH	Quarterly	No ELV or trigger levels	N/A	7.89	pH units	yes	Median value for 2012
SW3	downstream		Temperature	Quarterly	No ELV or trigger levels	N/A	12	degrees C	yes	Median value for 2012
SW3	downstream		Conductivity	Quarterly	No ELV or trigger levels	N/A	4190	µS/cm@25oC	yes	Median value for 2012

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SW3	downstream		Dissolved Oxygen	Quarterly	No ELV or trigger levels	N/A	10.43	mg/L	yes	Median vaule for 2012
SW3	downstream	Chlorides (as Cl)		Quarterly	No ELV or trigger levels	N/A	7889	mg/L	yes	Median vaule for 2012
SW3	downstream		BOD	Quarterly	No ELV or trigger levels	N/A	4.8	mg/L	yes	Median vaule for 2012
SW3	downstream		COD	Quarterly	No ELV or trigger levels	N/A	519	mg/L	yes	Median vaule for 2012
SW3	downstream		Ammonia (as N)	Quarterly	No ELV or trigger levels	N/A	3.44	mg/L	yes	Median vaule for 2012
SW3	downstream		Suspended Solids	Quarterly	No ELV or trigger levels	N/A	137	mg/L	yes	Median vaule for 2012
SW3	downstream	Chromium and compounds (as Cr)		Annual	No ELV or trigger levels	N/A	26.4	µg/L	yes	Median vaule for 2012
SW3	downstream	Copper and compounds (as Cu)		Annual	No ELV or trigger levels	N/A	0.177	mg/L	yes	Annual result for 2012
SW3	downstream	Cadmium and compounds (as Cd)		Annual	No ELV or trigger levels	N/A	0.2	µg/L	yes	Annual result for 2012
sw3	downstream		Iron	Annual	No ELV or trigger levels	N/A	45.1	µg/L	yes	Annual result for 2012
sw3	downstream	Lead and compounds (as Pb)		Annual	No ELV or trigger levels	N/A	<0.3	µg/L	yes	Annual result for 2012
sw3	downstream		Magnesium	Annual	No ELV or trigger levels	N/A	1100.7	mg/L	yes	Annual result for 2012. EQS limit is 50 mg/L. Elevated levels are consistent with previous years and are due to the geology of the site.
sw3	downstream		Manganese (as Mn)	Annual	No ELV or trigger levels	N/A	6.4	µg/L	yes	Annual result for 2012
sw3	downstream	Mercury and compounds (as Hg)		Annual	No ELV or trigger levels	N/A	0.14	µg/L	yes	Annual result for 2012
sw3	downstream		Potassium	Annual	No ELV or trigger levels	N/A	344.3	mg/L	yes	Annual result for 2012
sw3	downstream		Sulphate	Annual	No ELV or trigger levels	N/A	359.8	mg/L	yes	Annual result for 2012
sw3	downstream		Total Oxidised Nitrogen (TON)	Annual	No ELV or trigger levels	N/A	<0.138	mg/L	yes	Annual result for 2012
sw3	downstream	Zinc and compounds (as Zn)		Annual	No ELV or trigger levels	N/A	8.6	µg/L	yes	Annual result for 2012
sw3	downstream	Total phosphorus		Annual	No ELV or trigger levels	N/A	0.02	mg/L	yes	Annual result for 2012
SW6	downstream		PH	Quarterly	No ELV or trigger levels	N/A	7.5	pH units	yes	Median vaule for 2012
SW6	downstream		Temperature	Quarterly	No ELV or trigger levels	N/A	12.25	degrees C	yes	Median vaule for 2012
SW6	downstream		Conductivity	Quarterly	No ELV or trigger levels	N/A	1650	µS/cm@25oC	yes	Median vaule for 2012
SW6	downstream		Dissolved Oxygen	Quarterly	No ELV or trigger levels	N/A	9.79	mg/L	yes	Median vaule for 2012
SW6	downstream	Chlorides (as Cl)		Quarterly	No ELV or trigger levels	N/A	6197	mg/L	yes	Median vaule for 2012. Tidal influence.
SW6	downstream		BOD	Quarterly	No ELV or trigger levels	N/A	5.95	mg/L	yes	Median vaule for 2012
SW6	downstream		COD	Quarterly	No ELV or trigger levels	N/A	307	mg/L	yes	Median vaule for 2012
SW6	downstream		Ammonia (as N)	Quarterly	No ELV or trigger levels	N/A	1.67	mg/L	yes	Median vaule for 2012
SW6	downstream		Suspended Solids	Quarterly	No ELV or trigger levels	N/A	64	mg/L	yes	Median vaule for 2012
SW6	downstream	Chromium and compounds (as Cr)		Annual	No ELV or trigger levels	N/A	4.3	µg/L	yes	Median vaule for 2012
SW6	downstream	Copper and compounds (as Cu)		Annual	No ELV or trigger levels	N/A	0.027	mg/L	yes	Annual result for 2012
SW6	downstream	Cadmium and compounds (as Cd)		Annual	No ELV or trigger levels	N/A	0.2	µg/L	yes	Annual result for 2012
SW6	downstream		Iron	Annual	No ELV or trigger levels	N/A	449.8	µg/L	yes	Annual result for 2012
SW6	downstream	Lead and compounds (as Pb)		Annual	No ELV or trigger levels	N/A	0.4	µg/L	yes	Annual result for 2012
SW6	downstream		Magnesium	Annual	No ELV or trigger levels	N/A	170	mg/L	yes	Annual result for 2012. EQS limit is 50mg/L. Elevated results is consistent and due to the geology of the area.
SW6	downstream		Manganese (as Mn)	Annual	No ELV or trigger levels	N/A	950.7	µg/L	yes	Annual result for 2012
SW6	downstream	Mercury and compounds (as Hg)		Annual	No ELV or trigger levels	N/A	0.04	µg/L	yes	Annual result for 2012
SW6	downstream		Potassium	Annual	No ELV or trigger levels	N/A	65.8	mg/L	yes	Annual result for 2012
SW6	downstream		Sulphate	Annual	No ELV or trigger levels	N/A	415.0	mg/L	yes	Annual result for 2012
SW6	downstream		Total Oxidised Nitrogen (TON)	Annual	No ELV or trigger levels	N/A	<0.138	mg/L	yes	Annual result for 2012
SW6	downstream	Zinc and compounds (as Zn)		Annual	No ELV or trigger levels	N/A	28.5	µg/L	yes	Annual result for 2012
SW6	downstream	Total phosphorus		Annual	No ELV or trigger levels	N/A	1.93	mg/L	yes	Annual result for 2012
GA127	onsite		pH	Quarterly	No ELV or trigger levels	N/A	7.45	pH units	yes	Median vaule for 2012
GA127	onsite		Temperature	Quarterly	No ELV or trigger levels	N/A	11.85	degrees C	yes	Median vaule for 2012
GA127	onsite		Conductivity	Quarterly	No ELV or trigger levels	N/A	1180	µS/cm@25oC	yes	Median vaule for 2012

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GA127	onsite	Chlorides (as Cl)		Quarterly	No ELV or trigger levels	N/A		188	mg/L	yes		Median vaule for 2012	
GA127	onsite		BOD	Quarterly	No ELV or trigger levels	N/A		6.65	mg/L	yes		Median vaule for 2012	
GA127	onsite		COD	Quarterly	No ELV or trigger levels	N/A		24	mg/L	yes		Median vaule for 2012	
GA127	onsite		Ammonia (as N)	Quarterly	No ELV or trigger levels	N/A		6.15	mg/L	yes		Median vaule for 2012. This site is very ove grown and prone to algae growth	
GA127	onsite		Suspended Solids	Quarterly	No ELV or trigger levels	N/A		66	mg/L	yes		Median vaule for 2012	
GA127	onsite	Chromium and compounds (as Cr)		Annual	No ELV or trigger levels	N/A		3.9	mg/L	yes		Annual result for 2012	
GA127	onsite	Copper and compounds (as Cu)		Annual	No ELV or trigger levels	N/A		0.01	µg/L	yes		Annual result for 2012	
GA127	onsite	Cadmium and compounds (as Cd)		Annual	No ELV or trigger levels	N/A		0.4	mg/L	yes		Annual result for 2012	
GA127	onsite		Iron	Annual	No ELV or trigger levels	N/A		8332.7	µg/L	yes		Annual result for 2012.Iron levels are elevated this is a common occurrence.	
GA127	onsite	Lead and compounds (as Pb)		Annual	No ELV or trigger levels	N/A		10.7	µg/L	yes		Annual result for 2012	
GA127	onsite		Magnesium	Annual	No ELV or trigger levels	N/A		17.8	mg/L	yes		Annual result for 2012.Elevated levels above EQS 50mg/l are due to the geology of the site.	
GA127	onsite		Manganese (as Mn)	Annual	No ELV or trigger levels	N/A		646.4	µg/L	yes		Annual result for 2012	
GA127	onsite	Mercury and compounds (as Hg)		Annual	No ELV or trigger levels	N/A		0.04	µg/L	yes		Annual result for 2012	
GA127	onsite		Potassium	Annual	No ELV or trigger levels	N/A		17.6	µg/L	yes		Annual result for 2012	
GA127	onsite		Sulphate	Annual	No ELV or trigger levels	N/A		37.9	mg/L	yes		Annual result for 2012	
GA127	onsite		Total Oxidised Nitrogen (TON)	Annual	No ELV or trigger levels	N/A		1.333	mg/L	yes		Annual result for 2012	
GA127	onsite	Zinc and compounds (as Zn)		Annual	No ELV or trigger levels	N/A		21.6	µg/L	yes		Annual result for 2012	
GA127	onsite	Total phosphorus		Annual	No ELV or trigger levels	N/A		0.68	mg/L	yes		Annual result for 2012	

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

Table W2 Visual inspections-Please only enter details where contamination was observed.

Location Reference	Date of inspection	Description of contamination	Source of contamination	Corrective action	Comments
			SELECT		
			SELECT		

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

3 Was there any result in breach of licence requirements? If yes please provide brief details in the comment section of Table W3 below

4 Was all monitoring carried out in accordance with EPA guidance and checklists for Quality of Aqueous Monitoring Data Reported to the EPA? If no please detail what areas require improvement in additional information box

External/Internal Lab Quality checklist Assessment of results checklist

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

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

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

Note 2: Where Emission Limit Values (ELV) do not apply to your licence please compare results against EQS for Surface water or relevant receptor quality standards

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

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

6 Did continuous monitoring equipment experience downtime? If yes please record downtime in table W4 below

7 Do you have a proactive service contract for each piece of continuous monitoring equipment on site?

8 Did abatement system bypass occur during the reporting year? If yes please complete table W5 below

Table W4: Summary of average emissions -continuous monitoring

Emission reference no:	Emission released to	Parameter/ Substance	ELV or trigger values in licence or any revision thereof	Averaging Period	Compliance Criteria	Units of measurement	Annual Emission for current reporting year (kg)	% change +/- from previous reporting year	Monitoring Equipment downtime (hours)	Number of ELV exceedences in reporting year	Comments
	<input type="text" value="SELECT"/>	<input type="text" value="SELECT"/>		<input type="text" value="SELECT"/>	<input type="text" value="SELECT"/>	<input type="text" value="SELECT"/>					
	<input type="text" value="SELECT"/>	<input type="text" value="SELECT"/>		<input type="text" value="SELECT"/>	<input type="text" value="SELECT"/>	<input type="text" value="SELECT"/>					

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

Table W5: Abatement system bypass reporting table

Date	Duration (hours)	Location	Resultant emissions	Reason for bypass	Corrective action*	Was a report submitted to the EPA?	When was this report submitted?
						<input type="text" value="SELECT"/>	

*Measures taken or proposed to reduce or limit bypass frequency

Bund testing

dropdown menu click to see options

Additional information

Are you required by your licence to undertake integrity testing on bunds and containment structures? If yes please fill out table B1 below listing all **new bunds and containment structures on site, in addition to all bunds which failed the integrity test-all bunding structures which failed including mobile bunds must be listed in the table below**

Yes	Only one bund test is required at the site for the leachate lagoon. The lagoon is used for storage of leachate prior to transport to local WWTP. Last test was completed in 2008 before a floating cover was installed on the lagoon to stop rainwater ingress. Due to this cover it has not been possible to get an assessment completed without damaging the cover integrity and incurring significant costs.
3 years	
No	
1	
1	
1	
No	
1	
0	
N/A	
No	
N/A	

- 1
- 2 Please provide integrity testing frequency period
- 3 Does the site maintain a register of bunds, underground pipelines (including stormwater and foul), Tanks, sumps and containers? (containers refers to "Chemstore")
- 4 type units and mobile bunds
- 5 How many bunds are on site?
- 6 How many of these bunds have been tested within the required test schedule?
- 7 How many mobile bunds are on site?
- 8 Are the mobile bunds included in the bund test schedule?
- 9 How many of these mobile bunds have been tested within the required test schedule?
- 10 How many sumps on site are included in the integrity test schedule?
- 11 How many of these sumps are integrity tested within the test schedule?
- 12 **Please list any sump integrity failures in table B1**
- 13 Do all sumps and chambers have high level liquid alarms?
- 14 If yes to Q11 are these failsafe systems included in a maintenance and testing programme?

Table B1: Summary details of bund /containment structure integrity test

Bund/Containment structure ID	Type	Specify Other type	Product containment	Actual capacity	Capacity required*	Type of integrity test	Other test type	Test date	Integrity reports maintained on site?	Results of test	Integrity test failure explanation <50 words	Corrective action taken	Scheduled date for retest	Results of retest (if in current reporting year)
Leachate Lagoon	reinforced concrete	Liner covered concrete	Leachate	2000 m3	1500 m3	Structural assessment		Oct-08	Yes	Pass				
	SELECT					SELECT			SELECT	SELECT		SELECT		

* Capacity required should comply with 25% or 110% containment rule as detailed in your licence

Has integrity testing been carried out in accordance with licence requirements and are all structures tested in

14 line with BS8007/EPA Guidance?

15 Are channels/transfer systems to remote containment systems tested?

16 Are channels/transfer systems compliant in both integrity and available volume?

Commentary	
Yes	
SELECT	N/A
SELECT	N/A

Pipeline/underground structure testing

Are you required by your licence to undertake integrity testing on underground structures e.g. pipelines or sumps etc? If yes please fill out table 2 below listing all

1 underground structures and pipelines on site **which failed the integrity test**

2 Please provide integrity testing frequency period

SELECT	
SELECT	

Table B2: Summary details of pipeline/underground structures integrity test

Structure ID	Type system	Material of construction:	Does this structure have Secondary containment?	Type of secondary containment	Type integrity testing	Integrity reports maintained on site?	Results of test	Integrity test failure explanation <50 words	Corrective action taken	Scheduled date for retest	Results of retest (if in current reporting year)
	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT				SELECT

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

Groundwater/Soil monitoring template

Lic No:

W0068-03

Year

2012

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

Table 1: Upgradient Groundwater monitoring results

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration++	Average Concentration+	unit	GTV's*	SELECT**	% change in average concentration previous year +/-	Upward trend in pollutant concentration over last 5 years of monitoring data
Quarterly	MW4	pH	Meter	Quarterly	7.55	7.37	SELECT		9.5	0	no
Quarterly	MW4	Temp	Meter	Quarterly	15.1	13.05			25	0	no
Quarterly	MW4	Elec.Conductivity	Meter	Quarterly	5100	3150			1000	0	no
	MW4	Chlorides	titration	Quarterly	16894	8009	mg/l		250	1820%	no
Quarterly	MW4	Ammoniacal Nitrogen	ISE	Quarterly	23	12.775	mg/l		80mg/l* (Trigger limit)		no
Quarterly	MW4	Iron		Quarterly	14584.3	6772.27	ug/l		0.2	8.3%7	no
Quarterly	MW4	TON		Quarterly	<0.138	<0.138	ug/l		No abnormal change		0 no
Quarterly	MW4	TOC	HACH	Quarterly	45	28	mg/l		30mg/l (Tigger limit)		18% no
Annual	MW4	Cadmium		Annual	0.2	0.2	ug/l		0.005		0 no
Annual	MW4	Chromium (total)		Annual	14.4	14.4	ug/l		0.03		0 no
Annual	MW4	Copper		Annual	0.004	0.004	ug/l		0.03		0 no
Annual	MW4	Cyanide (Total)		Annual	<10	<10	ug/l		0.01		0 no
Annual	MW4	Lead		Annual	<0.3	<0.3	ug/l		0.01		0 no
Annual	MW4	Magnesium		Annual	31	31	mg/l		50		0 no
Annual	MW4	Manganese		Annual	1584.4	1584.4	ug/l		0.05		0 no
Annual	MW4	Mercury		Annual	0.04	0.04	ug/l		0.001		0 no
Annual	MW4	Nickle		Annual	1.7	1.7	ug/l		0.02		0 no
Annual	MW4	Potassium		Annual	22.2	22.2	mg/l		5		0 no
Annual	MW4	Sulphate		Annual	4.4	4.4	mg/l		200		0 no
Annual	MW4	Total Alkalinity		Annual	839.6	839.6	mg/l				0 no
Annual	MW4	Total Phosphorus		Annual	0.74	0.74	mg/l				0 no
Annual	MW4	Phenols		Annual	<0.15	<0.15	ug/l		0.5		0 no

Groundwater/Soil monitoring template			Lic No:	W0068-03	Year	2012				
Annual	MW4	Acenaphthylene	Annual	<0.5	<0.5	ug/l			0	no
Annual	MW4	Anthracene	Annual	<0.5	<0.5	ug/l			0	no
Annual	MW4	Benzene	Annual	0.1	0.1	ug/l		1	0	no
Annual	MW4	Bromodichloromethane	Annual	<2	<2	ug/l			0	no
Annual	MW4	Bromoform	Annual	<1	<1	ug/l			0	no
Annual	MW4	Chloroform	Annual	<1	<1	ug/l		12	0	no
Annual	MW4	Chrysene	Annual	<1	<1	ug/l			0	no
Annual	MW4	Dibromochloromethane	Annual	<1	<1	ug/l			0	no
Annual	MW4	Fluoranthene	Annual	<1	<1	ug/l			0	no
Annual	MW4	Fluorene	Annual	<1	<1	ug/l			0	no
Annual	MW4	Naphthalene	Annual	<2.0	<2.0	ug/l			0	no
Annual	MW4	Dibromochloromethane	Annual	<1	<1	ug/l			0	no
Annual	MW4	Pentachlorophenol	Annual	<1	<1	ug/l		2	0	no
Annual	MW4	Phenanthrene	Annual	<1	<1	ug/l			0	no
Annual	MW4	Pyrene	Annual	<1	<1	ug/l			0	no
Annual	MW4	Tetrachloroethene	Annual	<0.1	<0.1	ug/l			0	no
Annual	MW4	Trichloroethene	Annual	<0.1	<0.1	ug/l			0	no
Annual	MW4	Hexachlorobenzene	Annual	<1	<1	ug/l		0.03	0	no
Annual	MW4	Hexachlorobutadiene	Annual	<0.5	<0.5	ug/l		0.1	0	no
Annual	MW4	2,4,6-Trichlorophenol	Annual	<1	<1	ug/l			0	no
Annual	MW4	2,4-Dichlorophenol	Annual	<1	<1	ug/l			0	no
Annual	MW4	2,4-Dimethylphenol	Annual	<1	<1	ug/l			0	no
Annual	MW4	2-Chlorophenol	Annual	<1	<1	ug/l			0	no
Annual	MW4	1,2,4-trichlorobenzene	Annual	<0.5	<0.5	ug/l			0	no
Annual	MW4	1,2-dichlorobenzene	Annual	<0.5	<0.5	ug/l			0	no
Annual	MW4	1,3-dichlorobenzene	Annual	<0.5	<0.5	ug/l			0	no
Annual	MW4	1,4-dichlorobenzene	Annual	<0.5	<0.5	ug/l			0	no
Annual	MW4	2,4,5-Trichlorophenol	Annual	<1	<1	ug/l			0	no
Annual	MW4	2,4-Dinitrotoluene	Annual	<1	<1	ug/l			0	no
Annual	MW4	2,6-Dinitrotoluene	Annual	<1	<1	ug/l			0	no
Annual	MW4	2-Chloronaphthalene	Annual	<1	<1	ug/l			0	no
Annual	MW4	2-Methylnaphthalene	Annual	<1	<1	ug/l			0	no
Annual	MW4	2-Methylphenol	Annual	<1	<1	ug/l			0	no
Annual	MW4	2-Nitrophenol	Annual	<1	<1	ug/l			0	no
Annual	MW4	4-Bromophenyl Phenyl Ether	Annual	<1	<1	ug/l			0	no
Annual	MW4	4-Chloro-3-methylphenol	Annual	<1	<1	ug/l			0	no
Annual	MW4	4-Chlorophenyl phenyl ether	Annual	<1	<1	ug/l			0	no

Groundwater/Soil monitoring template			Lic No:	W0068-03	Year	2012					
Annual	MW4	4-Nitrophenol	Annual	<5	<5	ug/l				0	no
Annual	MW4	Acenaphthene	Annual	<1	<1	ug/l				0	no
Annual	MW4	Benzo(a)anthracene	Annual	<1	<1	ug/l				0	no
Annual	MW4	Benzo(a)pyrene	Annual	<1	<1	ug/l				0	no
Annual	MW4	Benzo(b)fluoranthene	Annual	<1	<1	ug/l				0	no
Annual	MW4	Benzo(g,h,i)perylene	Annual	<1	<1	ug/l				0	no
Annual	MW4	Benzyl Butyl Phthalate	Annual	<1	<1	ug/l				0	no
Annual	MW4	Bis(2-chloroethoxy)methane	Annual	<1	<1	ug/l				0	no
Annual	MW4	Bis(2-chloroethyl)ether	Annual	<1	<1	ug/l				0	no
Annual	MW4	Bis(2-chloroisopropyl)ether	Annual	<1	<1	ug/l				0	no
Annual	MW4	Bis(2-ethylhexyl)phthalate	Annual	<5	<5	ug/l				0	no
Annual	MW4	Dibenz(a,h)anthracene	Annual	<1	<1	ug/l				0	no
Annual	MW4	Dibenzofuran	Annual	<1	<1	ug/l				0	no
Annual	MW4	Diethylphthalate	Annual	<1	<1	ug/l				0	no
Annual	MW4	di-n-Butylphthalate	Annual	<1	<1	ug/l				0	no
Annual	MW4	Di-n-octylphthalate	Annual	<1	<1	ug/l				0	no
Annual	MW4	Diphenylamine	Annual	<1	<1	ug/l				0	no
Annual	MW4	Hexachloroethane	Annual	<1	<1	ug/l				0	no
Annual	MW4	Indeno(1,2,3-c,d)pyrene	Annual	<1	<1	ug/l				0	no
Annual	MW4	Isophorone	Annual	<1	<1	ug/l				0	no
Annual	MW4	Nitrobenzene	Annual	<0.5	<0.5	ug/l				0	no
Annual	MW4	n-Nitrosodi-n-propylamine	Annual	<1	<1	ug/l				0	no
Annual	MW4	Acetone	Annual	<2	<2	ug/l				0	no
Annual	MW4	Dichloromethane	Annual	<5	<5	ug/l				0	no
Annual	MW4	Tetrahydrofuran	Annual	<0.5	<0.5	ug/l				0	no
Annual	MW4	Toluene	Annual	<0.5	<0.5	ug/l		10		0	no
Annual	MW4	Xylene -o	Annual	0.6	0.6	ug/l		10		0	no
Annual	MW4	Dichlorodifluoromethane	Annual	<10	<10	ug/l				0	no
Annual	MW4	Chloromethane	Annual	<0.5	<0.5	ug/l				0	no
Annual	MW4	Ethyl Chloride/Chloroethane	Annual	<0.5	<0.5	ug/l				0	no
Annual	MW4	Vinyl Chloride	Annual	<0.5	<0.5	ug/l				0	no
Annual	MW4	Bromomethane	Annual	<0.5	<0.5	ug/l				0	no
Annual	MW4	Trichloromonofluoromethane	Annual	<0.5	<0.5	ug/l				0	no
Annual	MW4	Ethyl Ether/Diethyl Ether	Annual	<0.5	<0.5	ug/l				0	no
Annual	MW4	1,1 Dichloroethene	Annual	<0.5	<0.5	ug/l				0	no

Groundwater/Soil monitoring template			Lic No:	W0068-03	Year	2012		
Annual	MW4	Iodomethane/Methyl Iodide	Annual	<0.5	<0.5	ug/l	0	no
Annual	MW4	Carbon Disulphide	Annual	<0.5	<0.5	ug/l	0	no
Annual	MW4	Allyl Chloride	Annual	<0.5	<0.5	ug/l	0	no
Annual	MW4	Chlormethyl Cyanide/Chloroacet onitrile	Annual	<0.5	<0.5	ug/l	0	no
Annual	MW4	Propanenitrile	Annual	<10	<10	ug/l	0	no
Annual	MW4	Trans-1,2 Dichloroethene	Annual	<0.5	<0.5	ug/l	0	no
Annual	MW4	MtBE	Annual	<0.5	<0.5	ug/l	0	no
Annual	MW4	1,1-dichloroethane	Annual	<0.5	<0.5	ug/l	30	0 no
Annual	MW4	2,2-dichloropropane	Annual	<0.5	<0.5	ug/l	0	no
Annual	MW4	cis-1,2 Dichloroethene	Annual	<0.5	<0.5	ug/l	0	no
Annual	MW4	2-Butanone	Annual	<5	<5	ug/l	0	no
Annual	MW4	Methyl Acrylate	Annual	<0.5	<0.5	ug/l	0	no
Annual	MW4	Bromochloromethane	Annual	<0.5	<0.5	ug/l	0	no
Annual	MW4	Methacrylonitrile	Annual	<0.5	<0.5	ug/l	0	no
Annual	MW4	1,1,1-trichloroethane	Annual	<0.5	<0.5	ug/l	500	0 no
Annual	MW4	1-Chlorobutane	Annual	<0.5	<0.5	ug/l	0	no
Annual	MW4	Carbon Tetrachloride	Annual	<0.5	<0.5	ug/l	0	no
Annual	MW4	1,1 Dichloropropene	Annual	<0.5	<0.5	ug/l	0	no
Annual	MW4	1,2 dicloroethane	Annual	<0.1	<0.1	ug/l	0	no
Annual	MW4	1,2-dichloropropane	Annual	<0.5	<0.5	ug/l	0	no
Annual	MW4	Dibromomethane	Annual	<0.5	<0.5	ug/l	0	no
Annual	MW4	Methyl Methacrylate	Annual	<0.5	<0.5	ug/l	0	no
Annual	MW4	1,3 Dichloropropene, cis	Annual	<2	<2	ug/l	0	no
Annual	MW4	MIBK/4 Methyl 2 Pentanone	Annual	<2	<2	ug/l	0	no
Annual	MW4	1,3 Dichloropropene, trans	Annual	<2	<2	ug/l	0	no
Annual	MW4	Ethyl Methacrylate	Annual	<2	<2	ug/l	0	no
Annual	MW4	1,1,2 Trichloroethane	Annual	<0.5	<0.5	ug/l	0	no
Annual	MW4	1,3-dichloropropane	Annual	<0.5	<0.5	ug/l	0	no
Annual	MW4	2-Hexanone	Annual	<1	<1	ug/l	0	no
Annual	MW4	1,2-dibromoethane	Annual	<0.5	<0.5	ug/l	0	no
Annual	MW4	Chlorobenzene	Annual	<0.5	<0.5	ug/l	1	0 no
Annual	MW4	1,1,1,2-tetrachloroethane	Annual	<2	<2	ug/l	0	no
Annual	MW4	Ethylbenzene	Annual	0.6	0.6	ug/l	10	0 no
Annual	MW4	Xylene P&M	Annual	<0.5	<0.5	ug/l	0	no

Groundwater/Soil monitoring template				Lic No:	W0068-03	Year	2012			
Annual	MW4	Styrene		Annual	<2	<2	ug/l		0	no
Annual	MW4	Isopropylbenzene		Annual	<0.5	<0.5	ug/l		0	no
Annual	MW4	Bromobenzene		Annual	<0.5	<0.5	ug/l		0	no
Annual	MW4	1,1,2,2-tetrachloroethane		Annual	<0.5	<0.5	ug/l		0	no
Annual	MW4	1,2,3-trichloropropane		Annual	<2	<2	ug/l		0	no
Annual	MW4	Trans 1,4 Dichloro 2 Butene, tran		Annual	<2	<2	ug/l		0	no
Annual	MW4	Propylbenzene		Annual	<0.5	<0.5	ug/l		0	no
Annual	MW4	2-chlorotoluene		Annual	<0.5	<0.5	ug/l		0	no
Annual	MW4	4-chlorotoluene		Annual	<0.5	<0.5	ug/l		0	no
Annual	MW4	1,3,5-trimethylbenzene		Annual	<0.5	<0.5	ug/l		0	no
Annual	MW4	Tert Butyl Benzene		Annual	<0.5	<0.5	ug/l		0	no
Annual	MW4	1,2,4-trimethylbenzene		Annual	<0.5	<0.5	ug/l		0	no
Annual	MW4	sec-butylbenzene		Annual	<0.5	<0.5	ug/l		0	no
Annual	MW4	P Isopropyltoluene		Annual	<0.5	<0.5	ug/l		0	no
Annual	MW4	N Butyl Benzene		Annual	<0.5	<0.5	ug/l		0	no
Annual	MW4	1,2-dibromo-3-chloropropane		Annual	<2	<2	ug/l		0	no
Annual	MW4	1,2,3-trichlorobenzene		Annual	<0.5	<0.5	ug/l		0	no
Quarterly	MW7	pH	Meter	Quarterly	7.73	7.39		9.5		data not available
Quarterly	MW7	Temp	Meter	Quarterly	16.3	13.7		25		data not available
Quarterly	MW7	Elec. Conductivity	Meter	Quarterly	6100	4750		1000		data not available
	MW7	Chlorides	titration	Quarterly	7200	4523	mg/l	250		data not available
Quarterly	MW7	Ammoniacal Nitrogen	ISE	Quarterly	180	54	mg/l	0.02		data not available
Quarterly	MW7	Iron		Quarterly	6972	5152	ug/l	0.2		data not available
Quarterly	MW7	TON		Quarterly	<0.138	<0.138	mg/l	No abnormal change		data not available
Quarterly	MW7	TOC	HACH	Quarterly	112	44.54	mg/l			data not available
Annual	MW7	Cadmium		Annual	0.1	0.1	ug/l	0.005		data not available
Annual	MW7	Chromium (total)		Annual	39.8	39.8	ug/l	0.03		data not available
Annual	MW7	Copper		Annual	0.006	0.006	ug/l	0.03		data not available
Annual	MW7	Cyanide (Total)		Annual	12	12	ug/l	0.01		data not available
Annual	MW7	Lead		Annual	<0.3	<0.3	ug/l	0.01		data not available
Annual	MW7	Magnesium		Annual	50.4	50.4	mg/l	50		data not available
Annual	MW7	Manganese		Annual	5337.6	5337.6	ug/l	0.05		data not available
Annual	MW7	Mercury		Annual	0.05	0.05	ug/l	0.001		data not available
Annual	MW7	Nickle		Annual	21.6	21.6	ug/l	0.02		data not available
Annual	MW7	Potassium		Annual	156.7	156.7	mg/l	5		data not available
Annual	MW7	Sulphate		Annual	48.8	48.8	mg/l	200		data not available
Annual	MW7	Total Alkalinity		Annual	1587.7	1587.7	mg/l			data not available
Annual	MW7	Total Phosphorus		Annual			mg/l			data not available
Annual	MW7	Phenols		Annual			ug/l	0.5		data not available
Annual	MW7	Acenaphthylene		Annual	<0.5	<0.5	ug/l			data not available

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Annual	MW7	Anthracene	Annual	0.1	0.1	ug/l	data not available
Annual	MW7	Benzene	Annual	<2	<2	ug/l	1
Annual	MW7	Bromodichloromethane	Annual	<1	<1	ug/l	data not available
Annual	MW7	Bromoform	Annual	<1	<1	ug/l	data not available
Annual	MW7	Chloroform	Annual	<1	<1	ug/l	12
Annual	MW7	Chrysene	Annual	<1	<1	ug/l	data not available
Annual	MW7	Dibromochloromethane	Annual	<1	<1	ug/l	data not available
Annual	MW7	Fluoranthene	Annual	<1	<1	ug/l	data not available
Annual	MW7	Fluorene	Annual	<1	<1	ug/l	data not available
Annual	MW7	Naphthalene	Annual	37.7	37.7	ug/l	data not available
Annual	MW7	Dibromochloromethane	Annual	<1	<1	ug/l	data not available
Annual	MW7	Pentachlorophenol	Annual	<1	<1	ug/l	2
Annual	MW7	Phenanthrene	Annual	<1	<1	ug/l	data not available
Annual	MW7	Pyrene	Annual	<1	<1	ug/l	data not available
Annual	MW7	Tetrachloroethene	Annual	<0.1	<0.1	ug/l	data not available
Annual	MW7	Trichloroethene	Annual	<0.1	<0.1	ug/l	data not available
Annual	MW7	Hexachlorobenzene	Annual	<1	<1	ug/l	0.03
Annual	MW7	Hexachlorobutadiene	Annual	<0.5	<0.5	ug/l	0.1
Annual	MW7	2,4,6-Trichlorophenol	Annual	<1	<1	ug/l	data not available
Annual	MW7	2,4-Dichlorophenol	Annual	<1	<1	ug/l	data not available
Annual	MW7	2,4-Dimethylphenol	Annual	<1	<1	ug/l	data not available
Annual	MW7	2-Chlorophenol	Annual	<1	<1	ug/l	data not available
Annual	MW7	1,2,4-trichlorobenzene	Annual	<0.5	<0.5	ug/l	data not available
Annual	MW7	1,2-dichlorobenzene	Annual	<0.5	<0.5	ug/l	data not available
Annual	MW7	1,3-dichlorobenzene	Annual	<0.5	<0.5	ug/l	data not available
Annual	MW7	1,4-dichlorobenzene	Annual	<0.5	<0.5	ug/l	data not available
Annual	MW7	2,4,5-Trichlorophenol	Annual	<1	<1	ug/l	data not available
Annual	MW7	2,4-Dinitrotoluene	Annual	<1	<1	ug/l	data not available
Annual	MW7	2,6-Dinitrotoluene	Annual	<1	<1	ug/l	data not available
Annual	MW7	2-Chloronaphthalene	Annual	<1	<1	ug/l	data not available
Annual	MW7	2-Methylnaphthalene	Annual	<1	<1	ug/l	data not available
Annual	MW7	2-Methylphenol	Annual	<1	<1	ug/l	data not available
Annual	MW7	2-Nitrophenol	Annual	<1	<1	ug/l	data not available
Annual	MW7	4-Bromophenyl Phenyl Ether	Annual	<1	<1	ug/l	data not available
Annual	MW7	4-Chloro-3-methylphenol	Annual	<1	<1	ug/l	data not available
Annual	MW7	4-Chlorophenyl phenyl ether	Annual	<1	<1	ug/l	data not available
Annual	MW7	4-Nitrophenol	Annual	<5	<5	ug/l	data not available

Groundwater/Soil monitoring template			Lic No:	W0068-03	Year	2012				
Annual	MW1	Manganese	Annual	4870.6	5337.6	ug/l		0.05	0	no
Annual	MW1	Mercury	Annual	0.1	0.05	ug/l		0.001	0	no
Annual	MW1	Nickle	Annual	4.3	21.6	ug/l		0.02	0	no
Annual	MW1	Potassium	Annual	199.3	156.7	mg/l		5	0	no
Annual	MW1	Sulphate	Annual	1132.2	48.8	mg/l		200	0	no
Annual	MW1	Total Alkalinity	Annual	509	1587.7	mg/l			0	no
Annual	MW1	Total Phosphorus	Annual	5.09		mg/l			0	no
Annual	MW1	Phenols	Annual	<0.15		ug/l		0.5	0	no
Annual	MW1	Acenaphthylene	Annual	<0.5	<0.5	ug/l			0	no
Annual	MW1	Anthracene	Annual	0.1	0.1	ug/l			0	no
Annual	MW1	Benzene	Annual	<2	<2	ug/l		1	0	no
Annual	MW1	Bromodichloromethane	Annual	<1	<1	ug/l			0	no
Annual	MW1	Bromoform	Annual	<1	<1	ug/l			0	no
Annual	MW1	Chloroform	Annual	<1	<1	ug/l		12	0	no
Annual	MW1	Chrysene	Annual	<1	<1	ug/l			0	no
Annual	MW1	Dibromochloromethane	Annual	<1	<1	ug/l			0	no
Annual	MW1	Fluoranthene	Annual	<1	<1	ug/l			0	no
Annual	MW1	Fluorene	Annual	<1	<1	ug/l			0	no
Annual	MW1	Naphthalene	Annual	<2.0	<2.0	ug/l			0	no
Annual	MW1	Dibromochloromethane	Annual	<1	<1	ug/l			0	no
Annual	MW1	Pentachlorophenol	Annual	<1	<1	ug/l		2	0	no
Annual	MW1	Phenanthrene	Annual	<1	<1	ug/l			0	no
Annual	MW1	Pyrene	Annual	<1	<1	ug/l			0	no
Annual	MW1	Tetrachloroethene	Annual	<0.1	<0.1	ug/l			0	no
Annual	MW1	Trichloroethene	Annual	<0.1	<0.1	ug/l			0	no
Annual	MW1	Hexachlorobenzene	Annual	<1	<1	ug/l		0.03	0	no
Annual	MW1	Hexachlorobutadiene	Annual	<0.5	<0.5	ug/l		0.1	0	no
Annual	MW1	2,4,6-Trichlorophenol	Annual	<1	<1	ug/l			0	no
Annual	MW1	2,4-Dichlorophenol	Annual	<1	<1	ug/l			0	no
Annual	MW1	2,4-Dimethylphenol	Annual	<1	<1	ug/l			0	no
Annual	MW1	2-Chlorophenol	Annual	<1	<1	ug/l			0	no
Annual	MW1	1,2,4-trichlorobenzene	Annual	<0.5	<0.5	ug/l			0	no
Annual	MW1	1,2-dichlorobenzene	Annual	<0.5	<0.5	ug/l			0	no
Annual	MW1	1,3-dichlorobenzene	Annual	<0.5	<0.5	ug/l			0	no
Annual	MW1	1,4-dichlorobenzene	Annual	<0.5	<0.5	ug/l			0	no
Annual	MW1	2,4,5-Trichlorophenol	Annual	<1	<1	ug/l			0	no
Annual	MW1	2,4-Dinitrotoluene	Annual	<1	<1	ug/l			0	no
Annual	MW1	2,6-Dinitrotoluene	Annual	<1	<1	ug/l			0	no
Annual	MW1	2-Chloronaphthalene	Annual	<1	<1	ug/l			0	no

Groundwater/Soil monitoring template			Lic No:	W0068-03	Year	2012		
Annual	MW1	2-Methylnaphthalene	Annual	<1	<1	ug/l	0	no
Annual	MW1	2-Methylphenol	Annual	<1	<1	ug/l	0	no
Annual	MW1	2-Nitrophenol	Annual	<1	<1	ug/l	0	no
Annual	MW1	4-Bromophenyl Phenyl Ether	Annual	<1	<1	ug/l	0	no
Annual	MW1	4-Chloro-3-methylphenol	Annual	<1	<1	ug/l	0	no
Annual	MW1	4-Chlorophenyl phenyl ether	Annual	<1	<1	ug/l	0	no
Annual	MW1	4-Nitrophenol	Annual	<5	<5	ug/l	0	no
Annual	MW1	Acenaphthene	Annual	<1	<1	ug/l	0	no
Annual	MW1	Benzo(a)anthracene	Annual	<1	<1	ug/l	0	no
Annual	MW1	Benzo(a)pyrene	Annual	<1	<1	ug/l	0	no
Annual	MW1	Benzo(b)fluoranthene	Annual	<1	<1	ug/l	0	no
Annual	MW1	Benzo(g,h,i)perylene	Annual	<1	<1	ug/l	0	no
Annual	MW1	Benzyl Butyl Phthalate	Annual	<1	<1	ug/l	0	no
Annual	MW1	Bis(2-chloroethoxy)methane	Annual	<1	<1	ug/l	0	no
Annual	MW1	Bis(2-chloroethyl)ether	Annual	<1	<1	ug/l	0	no
Annual	MW1	Bis(2-chloroisopropyl)ether	Annual	<1	<1	ug/l	0	no
Annual	MW1	Bis(2-ethylhexyl)phthalate	Annual	<5	<5	ug/l	0	no
Annual	MW1	Dibenz(a,h)anthracene	Annual	<1	<1	ug/l	0	no
Annual	MW1	Dibenzofuran	Annual	<1	<1	ug/l	0	no
Annual	MW1	Diethylphthalate	Annual	<1	<1	ug/l	0	no
Annual	MW1	di-n-Butylphthalate	Annual	<1	<1	ug/l	0	no
Annual	MW1	Di-n-octylphthalate	Annual	<1	<1	ug/l	0	no
Annual	MW1	Diphenylamine	Annual	<1	<1	ug/l	0	no
Annual	MW1	Hexachloroethane	Annual	<1	<1	ug/l	0	no
Annual	MW1	Indeno(1,2,3-c,d)pyrene	Annual	<1	<1	ug/l	0	no
Annual	MW1	Isophorone	Annual	<1	<1	ug/l	0	no
Annual	MW1	Nitrobenzene	Annual	<0.5	<0.5	ug/l	0	no
Annual	MW1	n-Nitrosodi-n-propylamine	Annual	<1	<1	ug/l	0	no
Annual	MW1	Acetone	Annual	<2	<2	ug/l	0	no
Annual	MW1	Dichloromethane	Annual	<5	<5	ug/l	0	no
Annual	MW1	Tetrahydrofuran	Annual	<0.5	<0.5	ug/l	0	no
Annual	MW1	Toluene	Annual	<0.5	<0.5	ug/l	10	0 no
Annual	MW1	Xylene -o	Annual	<0.5	<0.5	ug/l	10	0 no
Annual	MW1	Dichlorodifluoromethane	Annual	<10	<10	ug/l	0	no
Annual	MW1	Chloromethane	Annual	<0.5	<0.5	ug/l	0	no

Groundwater/Soil monitoring template			Lic No:	W0068-03	Year	2012		
Annual	MW1	Ethyl Chloride/Chloroethane	Annual	<0.5	<0.5	ug/l	0	no
Annual	MW1	Vinyl Chloride	Annual	<0.5	<0.5	ug/l	0	no
Annual	MW1	Bromomethane	Annual	<0.5	<0.5	ug/l	0	no
Annual	MW1	Trichloromonofluoromethane	Annual	<0.5	<0.5	ug/l	0	no
Annual	MW1	Ethyl Ether/Diethyl Ether	Annual	<0.5	<0.5	ug/l	0	no
Annual	MW1	1,1 Dichloroethene	Annual	<0.5	<0.5	ug/l	0	no
Annual	MW1	Iodomethane/Methyl iodide	Annual	<0.5	<0.5	ug/l	0	no
Annual	MW1	Carbon Disulphide	Annual	<0.5	<0.5	ug/l	0	no
Annual	MW1	Allyl Chloride	Annual	<0.5	<0.5	ug/l	0	no
Annual	MW1	Chlormethyl Cyanide/Chloroacetonitrile	Annual	<0.5	<0.5	ug/l	0	no
Annual	MW1	Propanenitrile	Annual	<10	<10	ug/l	0	no
Annual	MW1	Trans-1,2 Dichloroethene	Annual	<0.5	<0.5	ug/l	0	no
Annual	MW1	MTBE	Annual	<0.5	<0.5	ug/l	0	no
Annual	MW1	1,1-dichloroethane	Annual	<0.5	<0.5	ug/l	30	0 no
Annual	MW1	2,2-dichloropropane	Annual	<0.5	<0.5	ug/l	0	no
Annual	MW1	cis-1,2 Dichloroethene	Annual	<0.5	<0.5	ug/l	0	no
Annual	MW1	2-Butanone	Annual	<5	<5	ug/l	0	no
Annual	MW1	Methyl Acrylate	Annual	<0.5	<0.5	ug/l	0	no
Annual	MW1	Bromochloromethane	Annual	<0.5	<0.5	ug/l	0	no
Annual	MW1	Methacrylonitrile	Annual	<0.5	<0.5	ug/l	0	no
Annual	MW1	1,1,1-trichloroethane	Annual	<0.5	<0.5	ug/l	500	0 no
Annual	MW1	1-Chlorobutane	Annual	<0.5	<0.5	ug/l	0	no
Annual	MW1	Carbon Tetrachloride	Annual	<0.5	<0.5	ug/l	0	no
Annual	MW1	1,1 Dichloropropene	Annual	<0.5	<0.5	ug/l	0	no
Annual	MW1	1,2 dichloroethane	Annual	<0.1	<0.1	ug/l	0	no
Annual	MW1	1,2-dichloropropane	Annual	<0.5	<0.5	ug/l	0	no
Annual	MW1	Dibromomethane	Annual	<0.5	<0.5	ug/l	0	no
Annual	MW1	Methyl Methacrylate	Annual	<0.5	<0.5	ug/l	0	no
Annual	MW1	1,3 Dichloropropene, cis	Annual	<2	<2	ug/l	0	no
Annual	MW1	MIBK/4 Methyl 2 Pentanone	Annual	<2	<2	ug/l	0	no
Annual	MW1	1,3 Dichloropropene, trans	Annual	<2	<2	ug/l	0	no
Annual	MW1	Ethyl Methacrylate	Annual	<2	<2	ug/l	0	no
Annual	MW1	1,1,2 Trichloroethane	Annual	<0.5	<0.5	ug/l	0	no

Groundwater/Soil monitoring template				Lic No:	W0068-03	Year	2012
Annual	MW1	1,3-dichloropropane	Annual	<0.5	<0.5	ug/l	0 no
Annual	MW1	2-Hexanone	Annual	<1	<1	ug/l	0 no
Annual	MW1	1,2-dibromoethane	Annual	<0.5	<0.5	ug/l	0 no
Annual	MW1	Chlorobenzene	Annual	<0.5	<0.5	ug/l	1 0 no
Annual	MW1	1,1,1,2-tetrachloroethane	Annual	<2	<2	ug/l	0 no
Annual	MW1	Ethylbenzene	Annual	<0.5	<0.5	ug/l	10 0 no
Annual	MW1	Xylene P&M	Annual	<0.5	<0.5	ug/l	0 no
Annual	MW1	Styrene	Annual	<2	<2	ug/l	0 no
Annual	MW1	Isopropylbenzene	Annual	<0.5	<0.5	ug/l	0 no
Annual	MW1	Bromobenzene	Annual	<0.5	<0.5	ug/l	0 no
Annual	MW1	1,1,2,2-tetrachloroethane	Annual	<0.5	<0.5	ug/l	0 no
Annual	MW1	1,2,3-trichloropropane	Annual	<2	<2	ug/l	0 no
Annual	MW1	Trans 1,4-Dichloro 2-Butene, trans	Annual	<2	<2	ug/l	0 no
Annual	MW1	Propylbenzene	Annual	<0.5	<0.5	ug/l	0 no
Annual	MW1	2-chlorotoluene	Annual	<0.5	<0.5	ug/l	0 no
Annual	MW1	4-chlorotoluene	Annual	<0.5	<0.5	ug/l	0 no
Annual	MW1	1,3,5-trimethylbenzene	Annual	<0.5	<0.5	ug/l	0 no
Annual	MW1	Tert Butyl Benzene	Annual	<0.5	<0.5	ug/l	0 no
Annual	MW1	1,2,4-trimethylbenzene	Annual	<0.5	<0.5	ug/l	0 no
Annual	MW1	sec-butylbenzene	Annual	<0.5	<0.5	ug/l	0 no
Annual	MW1	p-Isopropyltoluene	Annual	<0.5	<0.5	ug/l	0 no
Annual	MW1	n-Butyl Benzene	Annual	<0.5	<0.5	ug/l	0 no
Annual	MW1	1,2-dibromo-3-chloropropane	Annual	<2	<2	ug/l	0 no
Annual	MW1	1,2,3-trichlorobenzene	Annual	<0.5	<0.5	ug/l	0 no

* please note exceedance of a relevant Groundwater threshold value (GTV) at a representative monitoring point does not indicate non compliance, an exceedance triggers further investigation to confirm whether the criteria for poor groundwater chemical status are being met.

**Depending on location of the site and proximity to other sensitive receptors alternative Receptor based Water Quality standards should be used in addition to the GTV e.g. if the site is close to surface water compare to Surface Water Environmental Quality Standards (SWEQS), if the site is close to a drinking water supply compare results to the Drinking Water Standards (DWS)

[Surface water EQS](#)

[Groundwater regulations](#)

[Drinking water \(private supply\) standards](#)

[Drinking water \(public supply\) standards](#)

[Interim Guideline Values](#)

Table 3: Soil results

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

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

[Click here to access EPA guidance on Environmental Liabilities and Financial provision](#)

			Commentary
1	ELRA initial agreement status	SELECT	Site Operational
2	ELRA review status	SELECT	
3	Amount of Financial Provision cover required as determined by the latest ELRA	Specify	
4	Financial Provision for ELRA status	SELECT	
5	Financial Provision for ELRA - amount of cover	Specify	
6	Financial Provision for ELRA - type	SELECT	
7	Financial provision for ELRA expiry date	Enter expiry date	
8	Closure plan initial agreement status	SELECT	
9	Closure plan review status	SELECT	
10	Financial Provision for Closure status	SELECT	
11	Financial Provision for Closure - amount of cover	Specify	
12	Financial Provision for Closure - type	SELECT	
13	Financial provision for Closure expiry date	Enter expiry date	

Environmental Management Programme/Continuous Improvement Programme template		Lic No:	W0068-03	Year	2012
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Highlighted cells contain dropdown menu click to view		Additional Information
1	Do you maintain an Environmental Management System (EMS) for the site. If yes, please detail in additional information	Yes An EMS is updated and retained on site on an annual basis since 2008. It includes sections on Use of manual, Site location and description, Types of waste accepted and procedures, Engineering details, Control of nuisance and Environmental management system requirements.
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

Environmental Management Programme (EMP) report

Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes
Reduction of emissions to Air	50% Reduction in Odour Complains	100	Improvement of gas extraction system and operational	Individual	Less complaints
Materials Handling/Storage/Bunding	Improve annual recycling rate by 5%	90	Improvement of Civic Amenity Site layout and improved maintenance of existing infrastructure	Individual	Installation of infrastructure
Additional improvements	Improve Site security	50	Liasing with Security Company and An Gardaí Síochana to deter would-be intruders	Individual	Improved Environmental Management Practices
Additional improvements	To control environmental nuisances at the facility	80	Reduction of waste intake, improved site practises	Individual	Increased compliance with licence conditions
Groundwater protection	Improve annual environmental parameters at the site	50	Improvement of site practise to ensure minimal interaction with surrounding environment	Individual	Increased compliance with licence conditions

Noise monitoring summary report

Lic No: W0068-03

Year

2012

1 Was noise monitoring a licence requirement for the AER period?

Yes

If yes please fill in table N1 noise summary below

2 Was noise monitoring carried out using the EPA Guidance note including completion of the "Checklist for noise measurement report" included in the guidance note as table 6?

Yes

[Noise Guidance note NG4](#)

3 Does your site have a noise reduction plan

No

4 When was the noise reduction plan last updated?

N/A

5 Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since the last noise survey?

Yes

Table N1: Noise monitoring summary

Date of monitoring	Time period	Noise location (on site)	Noise sensitive location - NSL (if applicable)	LA _{eq}	LA ₉₀	LA ₁₀	LA _{max}	Tonal or Impulsive noise* (Y/N)	If tonal /impulsive noise was identified was 5dB penalty applied?	Comments (ex. main noise sources on site, & extraneous noise ex. road traffic)	Is site compliant with noise limits (day/evening/night)?
04/12/2012	30min	N1		55	50	57	50	No	SELECT	No facility emissions audible. N25 traffic to NW and N continuously audible and dominant. Rustling vegetation locally. No other noise apart from bird song/calls and aircraft.	Yes
04/12/2012	30min	N2		51	49	53	49	No		No facility emissions audible. N25 traffic to NW and N continuously audible and dominant. No other noise apart from bird song/calls and aircraft.	Yes
05/12/2012	30min	N3		49	45	52	44	No		Gas flare plant emissions audible at low level. Leachate pump switched on approx 10:30 - 10:40 continuously audible at low level, not significant. Continuous emissions also slightly audible from offsite waste management facility. Distant traffic continuously audible and dominant. Bird song/calls and aircraft.	Yes

04/12/2012	30min	N4		51	48	53	47-50	Yes	No	Leachate pump continuously audible from start of interval to 14:27 when truck pulled up and idled on weighbridge until interval end. Before truck, noise audible from sporadic vehicle movements through gate and into CAS. Distant road traffic and emissions from vents at adjacent waste management facility audible at continuously low level. Bird song/calls and aircraft.	Yes
05/12/2012	30min	S1		71	52	75	52	No		No facility emissions audible and no emissions audible other than N25 traffic	Yes
04/12/2012	30min	S2		57	52	60	52	No		No emissions audible from site. Continuous road traffic to SW, W and NW dominant. Occasional vehicle movements on access road to site dominant when present. Bird song/calls and aircraft.	Yes

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

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

SELECT

** please explain the reason for not taking action/resolution of noise issues?
 Site is fully compliant with WL. Tonal influence was measured at Station N4 for approx 1min at the 12,500Hz frequency. It was not audibly detected by the survey operator. This does not warrant a penalty. Cessation of landfilling activities accounts for reduction in noise levels.

Resource Usage/Energy efficiency summary

Lic No:

W0068-03

Year

2012

Additional information

- 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
- 2 Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in additional information
- 3

no	
SELECT	N/A

Energy Use	Previous year	Current year	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total Energy Used (MWHrs)	101.504	166.686	39%	
Total Energy Generated (MWHrs)	0	0		
Total Renewable Energy Generated (MWHrs)	0	0		
Electricity Consumption (MWHrs)	101.504	166.686	39%	
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)	2	0.25	-87.50%	
Light Fuel Oil (m3)	200	20	-90%	
Natural gas (CMN)	0	0	0	
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

Water use	Water extracted Previous year m3/yr.	Water extracted Current year m3/yr.	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*	Water Emissions		Water Consumption	
					Volume Discharged back to environment(m ³ /yr):	Volume used i.e not discharged to environment e.g. released as steam m3/yr	Unaccounted for Water:	
Groundwater								
Surface water								
Public supply	220	214	-3	N/A	214	N/A		0
Recycled water								
Total	220	214	-3		214			

* 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

	Total	Landfill	Incineration	Recycled	Other
Hazardous (Tonnes)	0				
Non-Hazardous (Tonnes)	0				

Resource Usage/Energy efficiency summary Lic No: W0068-03 Year 2012

Table R4: Energy Audit finding recommendations

Date of audit	Recommendations	Description of Measures proposed	Origin of measures	Predicted energy savings %	Implementation date	Responsibility	Completion date	Status and comments
			SELECT					
			SELECT					
			SELECT					

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

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

WASTE SUMMARY	Lic No: W0068-03	Year: 2012
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 to see options		

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

POLLUTANT		RELEASES TO AIR			Please enter all quantities in this section in KGs			
No. Annex II	Name	M/C/E	METHOD		Emission Point 1	QUANTITY		
			Method Code	Designation or Description		T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
01	Methane (CH4)	M	MAB	Measured through analysis of flare flue gas emissions monitoring	0.0	25.0	0.0	25.0
03	Carbon dioxide (CO2)	M	ISO 12039:2001	Measured through analysis of flare flue gas emissions monitoring	0.0	119551.0	0.0	119551.0
02	Carbon monoxide (CO)	M	ISO 12039:2001	Measured through analysis of flare flue gas emissions monitoring	0.0	37.9	0.0	37.9
07	Non-methane volatile organic com	M	EN 13649:2001	Measured through analysis of flare flue gas emissions monitoring	0.0	0.0	0.0	0.0
08	Nitrogen oxides (NOx/NO2)	M	EN 14792:2005	Measured through analysis of flare flue gas emissions monitoring	0.0	54.0	0.0	54.0
11	Sulphur oxides (SOx/SO2)	M	EN 14791:2005	Measured through analysis of flare flue gas emissions monitoring	0.0	791.3	0.0	791.3

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

SECTION B : REMAINING PRTR POLLUTANTS

POLLUTANT		RELEASES TO AIR			Please enter all quantities in this section in KGs			
No. Annex II	Name	M/C/E	METHOD		Emission Point 1	QUANTITY		
			Method Code	Designation or Description		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)

POLLUTANT		RELEASES TO AIR			Please enter all quantities in this section in KGs			
Pollutant No.	Name	M/C/E	METHOD		Emission Point 1	QUANTITY		
			Method Code	Designation or Description		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

Additional Data Requested from Landfill operators

Landfill operators are requested to provide summary data on landfill

Landfill:	Youghal Landfill				
Please enter summary data on the quantities of methane flared and / or utilised	T (Total) kg/Year				
	Total estimated methane generation (as per site model)	1239845.0	C	MAB	N/A
	Methane flared	1527259.0	M	MAB	1750.0 (Total Flaring Capacity)
	Methane utilised in engine/s	0.0			0.0 (Total Utilising Capacity)
	Net methane emission (as reported in Section A above)	25.0	M	MAB	N/A

WASTE SUMMARY

Lic No:

W0068-03

Year

2012

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)
						M/C/E	Method Used					
Within the Country	15 01 01	No	70.0	paper and cardboard packaging	R3	M	Weighed	Offsite in Ireland	Greenstar Ltd,W0136-01	Sarsfield Court Industrial Estate,Glanmire, Cork,,Ireland		
Within the Country	15 01 02	No	20.0	plastic packaging	R5	M	Weighed	Offsite in Ireland	Green Dragon Recycling,CK/09/0629/01	Corbally North,Glanmire, Cork,,Ireland		
Within the Country	15 01 04	No	2.0	metallic packaging	R4	M	Weighed	Offsite in Ireland	Green Dragon Recycling,CK/09/0629/01	Corbally North,Glanmire, Cork,,Ireland		
Within the Country	15 01 07	No	44.0	glass packaging	R5	M	Weighed	Offsite in Ireland	Mr. Binman,W0061-01	Luddenmore,Grange,Kilmalock,Co Limerick,Ireland		
Within the Country	16 06 01	Yes	2.0	lead batteries	R4	M	Weighed	Offsite in Ireland	KMK Metals Ltd,W0133-03	Cappinacur Industrial Estate,Tullamore,Co Offlay,,Ireland	KMK Metals Ltd,W0133-03,Cappinacur Industrial Estate,Tullamore,Co Offlay,,Ireland	Cappinacur Industrial Estate,Tullamore,Co Offlay,,Ireland
Within the Country	19 07 03	No	5205.0	landfill leachate other than those mentioned in 19 07 02	D8	M	Weighed	Offsite in Ireland	Cork County Council,	Carrigtohill Wastewater Treatment Plant,Tullagreen, Carrigtohill ,Co Cork,Ireland		
Within the Country	20 01 01	No	93.0	paper and cardboard	R3	M	Weighed	Offsite in Ireland	Greenstar Ltd,W0136-01	Sarsfield Court Industrial Estate,Glanmire, Cork,,Ireland		
Within the Country	20 01 02	No	6.0	glass	R5	M	Weighed	Offsite in Ireland	MSM Recycling,W0079-01	41-42 Cookstown Industrial Estate,Tallaght,Dublin,D 24,Ireland		
Within the Country	20 01 11	No	7.0	textiles	R5	M	Weighed	Offsite in Ireland	Textile Recycling Ltd,WCP-DC-08-1225-01	Glen Abbey Business Park,Tallaght,Dublin,D24,Ireland		
Within the Country	13 02 05	Yes	5.0	mineral-based non-chlorinated engine, gear and lubricating oils	R9	M	Weighed	Offsite in Ireland	Enva Ltd,W0184-01	Clonminam Industrial Estate,Portlaoise,Co Laois,,Ireland	Enva Ltd,W0184-01,Clonminam Industrial Estate,Portlaoise,Co Laois,,Ireland	Clonminam Industrial Estate,Portlaoise,Co Laois,,Ireland
Within the Country	20 01 27	Yes	4.0	paint, inks, adhesives and resins containing dangerous substances	R1	M	Weighed	Offsite in Ireland	Enva Ltd,W0184-01	Clonminam Industrial Estate,Portlaoise,Co Laois,,Ireland	Enva Ltd,W0184-01,Clonminam Industrial Estate,Portlaoise,Co Laois,,Ireland	Clonminam Industrial Estate,Portlaoise,Co Laois,,Ireland

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Within the Country	20 01 36	No	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 0.0 20 01 23 and 20 01 35	R4	M	Weighed	Offsite in Ireland	KMK Metals Ltd,W0133-03	Cappinacur Industrial Estate,Tullamore,Co Offlay,,Ireland
Within the Country	20 01 38	No	wood other than that mentioned in 20 01 37	R13	M	Weighed	Offsite in Ireland	CTO Environmental Solutions Ltd,CK/09/0068/02	Rostellan,Midlet on,Co Cork,,Ireland
Within the Country	20 01 40	No	43.0 metals	R4	M	Weighed	Offsite in Ireland	Pouladuff Dismantlers Ltd,CK(S) 478/07	Pouladuff Road,Togher,Cork,,Ireland
Within the Country	20 02 01	No	64.0 biodegradable waste	R3	M	Weighed	Offsite in Ireland	Bord na Mona,W0198-01	Kilberry,Athy,Co Kildare,Kildare,Ireland

SECTION B- WASTE ACCEPTED ONTO SITE-TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES

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 boundaries is to be captured through PRTR reporting)
 1 If yes please enter details in table 1 below

Additional Information	
No	

2 Did your site have any rejected consignments of waste in the current reporting year? If yes please give a brief explanation in the additional information

No	
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3 Was waste accepted onto your site that was generated outside the Republic of Ireland? If yes please state the quantity in tonnes in additional information

No	
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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)

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

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

4 Is all waste processing infrastructure as required by your licence and approved by the Agency in place? If no please list waste processing infrastructure required onsite

SELECT	
SELECT	
SELECT	

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

SELECT	
SELECT	
SELECT	

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?

SELECT	
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WASTE SUMMARY	Lic No:	W0068-03	Year	2012
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SECTION D-TO BE COMPLETED BY LANDFILL SITES ONLY
Table 2 Waste type and tonnage-landfill only

Waste types permitted for disposal	Authorised/licenced annual intake for disposal (tpa)	Actual intake for disposal in reporting year (tpa)	Remaining licensed capacity at end of reporting year (m3)	Comments
Household & Commercial	128,000	2,185		Void Area is almost completely filled. Waste has ceased to be accepted but management of Cork County Council have yet to decide when to fill the remaining void.
Industrial non-haz	27,000	0	200	
Construction&Demolition Waste	5,300	1,575		

Table 3 General information-Landfill only

Area ID	Date landfilling commenced	Date landfilling ceased	Currently landfilling	Private or Public Operated	Inert or non-hazardous	Predicted date to cease landfilling	Licence permits asbestos	Is there a separate cell for asbestos?	Accepted asbestos in reporting year	Total disposal area occupied by waste	Lined disposal area occupied by waste	Unlined area	Comments on liner type
										m2	SELECT UNIT	SELECT UNIT	
Cell 9	Dec-08	Temporary Cease Feb 2012	Yes	Public	Non Hazardous	2013	No	No	No	120	120	0	HDPE 1mm liner with geo-textile layer and 0.5m gravel protection layer

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Table 4 Environmental monitoring-landfill only [Landfill Manual-Monitoring Standards](#)

Was meteorological monitoring in compliance with Landfill Directive (LD) standard in reporting year +	Was leachate monitored in compliance with LD standard in reporting year	Was Landfill Gas monitored in compliance with LD standard in reporting year	Was SW monitored in compliance with LD standard in reporting year	Have GW trigger levels been established	Were emission limit values agreed with the Agency (ELVs)	Was topography of the site surveyed in reporting year	Has the statement under S53(A)(5) of WMA been submitted in reporting year	Comments
Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	All license conditions being met under current monitoring regime

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

Table 5 Capping-Landfill only

Area uncapped*	Area with temporary cap	Area with final cap to LD Standard m ² 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
m ²	m ²					
0	17,000 square metres	81,800 square metres	0	0	1mm HDPE welded liner, geotextile drainage layer and protection barrier covered with 1m of suitable, screened soil.	

*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?

Yes
No

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

Volume of leachate in reporting year(m ³)	Leachate (BOD) mass load (kg/annum)	Leachate (COD) mass load (kg/annum)	Leachate (NH ₄) mass load (kg/annum)	Leachate (Chloride) mass load kg/annum	Leachate treatment on-site	Specify type of leachate treatment	Comments
5325.25	1093.03	10565.99	10407.24	19768.29	No	Wastewater Treatment Plant with Mixing tank, Oxidation ditch & Settlement tanks	

Please ensure that all information reported in the landfill gas section is consistent with the Landfill Gas Survey submitted in conjunction with PRTR returns

Table 7 Landfill Gas-Landfill only

Gas Captured&Treated by LFG System m ³	Power generated (MW / KWh)	Used on-site or to national grid	Was surface emissions monitoring performed during the reporting year?	Comments
1527259 kg CH ₄ /Annum	0	0	Yes	Gas captured figure is Annual Methane burn-off in kg/annum. Areas of elevated VOC's are identified by the surveys and are attended to by site staff. Well heads and flanked areas are repaired to improve gas system coverage at the site.