Facility Information Summary	
AER Reporting Year	2012
Licence Register Number	W0021-02
Name of site	Derrinumera Landfill Site
Site Location	Newport, Co. Mayo
NACE Code	A3
Class/Classes of Activity	Class 5 & Class 2,3 &4
National Grid Reference (6E, 6 N)	293525 E, 104250 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.	From January to the 20th April the main activity was landfilling of waste into engineered Cell 2. This cell reached capacity on 20th April and was closed. The main activites from may to december were the operation of the CA site at the facility, removal of leachate and the construction of the the final cap on the completed cell (By contractor). The final cap is now installed with main activity the operation of the CA site. Leachate generation has reduced significantly following the capping works.

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.

Killian Farrell	26/3/13
Signature Group/Facility manager (or nominated, suitably qualified and experienced deputy)	Date

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Answer all questions and complete all tables where relevant

			Additional information
1	Does your site have licensed air emissions? If yes please complete table A1 and A2 below for the current reporting year and answer further questions. If **you do not have** licenced emissions and **do not complete a solvent management plan** (table A4 and A5) you do not need to complete the tables	No	

Periodic/Non-Continuous Monitoring

2	Are there any results in breach of licence requirements? If yes please provide brief details in the comment section of TableA1 below	SELECT	
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	SELECT	

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 therof	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
	SELECT			SELECT		SELECT	SELECT	SELECT		
	SELECT			SELECT		SELECT	SELECT	SELECT		
	SELECT			SELECT		SELECT	SELECT	SELECT		
	SELECT			SELECT		SELECT	SELECT	SELECT		

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

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Continuous Monitoring

4	Does your site carry out continuous air emissions monitoring?	SELECT	

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	SELECT	
6	Do you have a proactive service agreement for each piece of continuous monitoring equipment?	SELECT	
7	Did your site experience any abatement system bypasses? If yes please detail them in table 4 below	SELECT	

Table A2: Summary of average emissions -continuous monitoring

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

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

Table A3: Abatement system bypass reporting table

Bypass protocol

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

* 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

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Solvent use and management on site

8 Do you have a total Emission Limit Value of direct and fugitive emissions on site? if yes please fill out tables A4 and A5

SELECT

Table A4: Solvent Management Plan Summary
Total VOC Emission limit value

Solvent regulations — Please refer to linked solvent regulations to complete table 5 and 6

Reporting year	Total solvent input on site (kg)	Total VOC emissions to Air from entire site	Total VOC emissions as %of solvent	Total Emission Limit Value (ELV) in licence or any revision therof	Compliance
					SELECT
					SELECT

Table A5: Solvent Mass Balance summary

	(I) Inputs (kg)	(O) Outputs (kg)						
Solvent	(I) Inputs (kg)	Organic solvent emission in	Solvents lost in water (kg)	Collected waste solvent (kg)	Fugitive Organic Solvent (kg)	Solvent released in other ways e.g.	Solvents destroyed onsite through	Total emission of Solvent to air (kg)
							Total	

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		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	No
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	Yes: No evidence of contamination. Additional silt traps and oil booms installed in SW drains during construction works as a precautionary measure.

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	SELECT	**BOD mg/l**	13/01/12		N/A	<1	mg/L	SELECT	
SW1	upstream		**Suspended Solids mg/l**	13/01/12			17	mg/L		
SW1	upstream		**pH**	13/01/12			4.4	pH units		
SW1	upstream		**Conductivity @20C uS/cm**	13/01/12			169	µS/cm @20oC		
SW1	upstream		**Ammonia as NH3-N mg/l**	13/01/12			<0.005	mg/L		
SW1	upstream		**Total Phosphorus as P mg/l**	13/01/12			<0.05	mg/L		
SW1	upstream		**Dissolved Oxygen (%)**	13/01/12			45.5 @ lab			
SW1	upstream		**Orthophosphate as PO4-P mg/l**	13/01/12			<0.01	mg/L		
SW1	upstream		**Dissolved Oxygen (mg/l)**	13/01/12			5.28 @ lab	mg/L		
SW1	upstream		**BOD mg/l**	10/02/12			<1	mg/L		
SW1	upstream		**Suspended Solids mg/l**	10/02/12			<2	mg/L		
SW1	upstream		**pH**	10/02/12			5.1	pH units		
SW1	upstream		**Conductivity @20C uS/cm**	10/02/12			107	µS/cm @20oC		
SW1	upstream		**Ammonia as NH3-N mg/l**	10/02/12			0.007	mg/L		
SW1	upstream		**Total Phosphorus as P mg/l**	10/02/12			<0.05	mg/L		
SW1	upstream		**Dissolved Oxygen (%)**	10/02/12			66.8 @ lab			
SW1	upstream		**Orthophosphate as PO4-P mg/l**	10/02/12			<0.01	mg/L		
SW1	upstream		**Dissolved Oxygen (mg/l)**	10/02/12			6.19 @ lab	mg/L		
SW1	upstream		**BOD mg/l**	14/03/12			<1	mg/L		
SW1	upstream		**Suspended Solids mg/l**	14/03/12			35	mg/L		
SW1	upstream		**pH**	14/03/12			4.9	pH units		
SW1	upstream		**Conductivity @20C uS/cm**	14/03/12			109	µS/cm @20oC		
SW1	upstream		**Ammonia as NH3-N mg/l**	14/03/12			0.014	mg/L		
SW1	upstream		**Total Phosphorus as P mg/l**	14/03/12			<0.05	mg/L		
SW1	upstream		**Dissolved Oxygen (%)**	14/03/12			62.4 @ lab			
SW1	upstream		**Orthophosphate as PO4-P mg/l**	14/03/12			<0.01	mg/L		
SW1	upstream		**Dissolved Oxygen (mg/l)**	14/03/12			6.23 @ lab	mg/L		
SW1	upstream		**COD mg/l**	14/03/12			46	mg/L		
SW1	upstream		**Sodium, total mg/l**	14/03/12			15	mg/L		
SW1	upstream		**Chloride mg/l**	14/03/12			28	mg/L		
SW1	upstream		**Potassium, total mg/l**	14/03/12			0.6	mg/L		
SW1	upstream		**BOD mg/l**	16/04/12			<1	mg/L		
SW1	upstream		**Suspended Solids mg/l**	16/04/12			<2	mg/L		
SW1	upstream		**pH**	16/04/12			5.2	pH units		
SW1	upstream		**Conductivity @20C uS/cm**	16/04/12			123	µS/cm @20oC		
SW1	upstream		**Ammonia as NH3-N mg/l**	16/04/12			0.018	mg/L		
SW1	upstream		**Total Phosphorus as P mg/l**	16/04/12			<0.05	mg/L		
SW1	upstream		**Dissolved Oxygen (%)**	16/04/12			52.6 @ lab			
SW1	upstream		**Orthophosphate as PO4-P mg/l**	16/04/12			<0.01	mg/L		
SW1	upstream		**Dissolved Oxygen (mg/l)**	16/04/12			5.16 @ lab	mg/L		
SW1	upstream		**BOD mg/l**	16/05/12			<1	mg/L		
SW1	upstream		**Suspended Solids mg/l**	16/05/12			10	mg/L		
SW1	upstream		**pH**	16/05/12			5.9	pH units		
SW1	upstream		**Conductivity @20C uS/cm**	16/05/12			101	µS/cm @20oC		
SW1	upstream		**Ammonia as NH3-N mg/l**	16/05/12			<0.005	mg/L		
SW1	upstream		**Total Phosphorus as P mg/l**	16/05/12			<0.05	mg/L		
SW1	upstream		**Dissolved Oxygen (%)**	16/05/12			62.5 @ lab			
SW1	upstream		**Orthophosphate as PO4-P mg/l**	16/05/12			<0.01	mg/L		
SW1	upstream		**Dissolved Oxygen (mg/l)**	16/05/12			6.82 @ lab	mg/L		
SW1	upstream		**BOD mg/l**	15/06/12			<1	mg/L		
SW1	upstream		**Suspended Solids mg/l**	15/06/12			<2	mg/L		
SW1	upstream		**pH**	15/06/12			5.1	pH units		
SW1	upstream		**Conductivity @20C uS/cm**	15/06/12			83	µS/cm @20oC		
SW1	upstream		**Ammonia as NH3-N mg/l**	15/06/12			0.023	mg/L		
SW1	upstream		**Total Phosphorus as P mg/l**	15/06/12			<0.05	mg/L		
SW1	upstream		**Dissolved Oxygen (%)**	15/06/12			59.8 @ lab			

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SW1	upstream		**Orthophosphate as PO4-P mg/l**	15/06/12			<0.01	mg/L		
SW1	upstream		**Dissolved Oxygen (mg/l)**	15/06/12			5.32 @ lab	mg/L		
SW1	upstream		**COD mg/l**	15/06/12			85	mg/L		
SW1	upstream		**Sodium, total mg/l**	15/06/12			12	mg/L		
SW1	upstream		**Chloride mg/l**	15/06/12			20.6	mg/L		
SW1	upstream		**Potassium, total mg/l**	15/06/12			1	mg/L		
SW1	upstream		**TON as N mg/l**	15/06/12			<0.1	mg/L		
SW1	upstream		**Alkalinity, total mg/l CaCO3**	15/06/12			10	mg/L		
SW1	upstream		**Copper, total ug/l**	15/06/12			<1	µg/L		
SW1	upstream		**Iron, total ug/l**	15/06/12			954	µg/L		
SW1	upstream		**Sulphate mg/l**	15/06/12			<5	mg/L		
SW1	upstream		**Manganese, total ug/l**	15/06/12			13	µg/L		
SW1	upstream		**Zinc, total ug/l**	15/06/12			6	µg/L		
SW1	upstream		**Chromium, total ug/l**	15/06/12			<0.5	µg/L		
SW1	upstream		**Calcium, total mg/l**	15/06/12			<3	mg/L		
SW1	upstream		**Nickel, total ug/l**	15/06/12			<0.5	µg/L		
SW1	upstream		**Lead, total ug/l**	15/06/12			1	µg/L		
SW1	upstream		**Cadmium, total ug/l**	15/06/12			<0.5	µg/L		
SW1	upstream		**Mercury ug/l**	15/06/12			<0.05	µg/L		
SW1	upstream		**Magnesium, total mg/l**	15/06/12			1	mg/L		
SW1	upstream		**BOD mg/l**	13/07/12			<1	mg/L		
SW1	upstream		**Suspended Solids mg/l**	13/07/12			<2	mg/L		
SW1	upstream		**pH**	13/07/12			5.6	pH units		
SW1	upstream		**Conductivity @20C uS/cm**	13/07/12			79.4	µS/cm @20oC		
SW1	upstream		**Ammonia as NH3-N mg/l**	13/07/12			<0.005	mg/L		
SW1	upstream		**Total Phosphorus as P mg/l**	13/07/12			<0.05	mg/L		
SW1	upstream		**Dissolved Oxygen (%)**	13/07/12			78.5 @ lab			
SW1	upstream		**Orthophosphate as PO4-P mg/l**	13/07/12			<0.01	mg/L		
SW1	upstream		**Dissolved Oxygen (mg/l)**	13/07/12			7.99 @ lab	mg/L		
SW1	upstream		**BOD mg/l**	20/08/12			<1	mg/L		
SW1	upstream		**Suspended Solids mg/l**	20/08/12			2	mg/L		
SW1	upstream		**pH**	20/08/12			6	pH units		
SW1	upstream		**Conductivity @20C uS/cm**	20/08/12			89.2	µS/cm @20oC		
SW1	upstream		**Ammonia as NH3-N mg/l**	20/08/12			<0.005	mg/L		
SW1	upstream		**Total Phosphorus as P mg/l**	20/08/12			0.09	mg/L		
SW1	upstream		**Dissolved Oxygen (%)**	20/08/12			74.1 @ lab			
SW1	upstream		**Orthophosphate as PO4-P mg/l**	20/08/12			<0.01	mg/L		
SW1	upstream		**Dissolved Oxygen (mg/l)**	20/08/12			7.21 @ lab	mg/L		
SW1	upstream		**BOD mg/l**	07/09/12			<1	mg/L		
SW1	upstream		**Suspended Solids mg/l**	07/09/12			4	mg/L		
SW1	upstream		**pH**	07/09/12			6.3	pH units		
SW1	upstream		**Conductivity @20C uS/cm**	07/09/12			102	µS/cm @20oC		
SW1	upstream		**Ammonia as NH3-N mg/l**	07/09/12			<0.005	mg/L		
SW1	upstream		**Total Phosphorus as P mg/l**	07/09/12			<0.05	mg/L		
SW1	upstream		**Dissolved Oxygen (%)**	07/09/12			80.6 @ lab			
SW1	upstream		**Orthophosphate as PO4-P mg/l**	07/09/12			<0.01	mg/L		
SW1	upstream		**Dissolved Oxygen (mg/l)**	07/09/12			8.12 @ lab	mg/L		
SW1	upstream		**COD mg/l**	07/09/12			158	mg/L		
SW1	upstream		**Sodium, total mg/l**	07/09/12			9	mg/L		
SW1	upstream		**Chloride mg/l**	07/09/12			18.5	mg/L		
SW1	upstream		**Potassium, total mg/l**	07/09/12			<0.5	mg/L		
SW1	upstream		**BOD mg/l**	15/10/12			<1	mg/L		
SW1	upstream		**Suspended Solids mg/l**	15/10/12			8	mg/L		
SW1	upstream		**pH**	15/10/12			6.5	pH units		
SW1	upstream		**Conductivity @20C uS/cm**	15/10/12			132	µS/cm @20oC		
SW1	upstream		**Ammonia as NH3-N mg/l**	15/10/12			0.019	mg/L		
SW1	upstream		**Total Phosphorus as P mg/l**	15/10/12			<0.05	mg/L		
SW1	upstream		**Dissolved Oxygen (%)**	15/10/12			54.4 @ lab			
SW1	upstream		**Orthophosphate as PO4-P mg/l**	15/10/12			<0.01	mg/L		
SW1	upstream		**Dissolved Oxygen (mg/l)**	15/10/12			5.54 @ lab	mg/L		
SW1	upstream		**BOD mg/l**	16/11/12			<1	mg/L		
SW1	upstream		**Suspended Solids mg/l**	16/11/12			25	mg/L		
SW1	upstream		**pH**	16/11/12			6.9	pH units		
SW1	upstream		**Conductivity @20C uS/cm**	16/11/12			89.8	µS/cm @20oC		
SW1	upstream		**Ammonia as NH3-N mg/l**	16/11/12			0.072	mg/L		
SW1	upstream		**Total Phosphorus as P mg/l**	16/11/12			0.08	mg/L		
SW1	upstream		**Dissolved Oxygen (%)**	16/11/12			61.4 @ lab			
SW1	upstream		**Orthophosphate as PO4-P mg/l**	16/11/12			<0.01	mg/L		
SW1	upstream		**Dissolved Oxygen (mg/l)**	16/11/12			5.94 @ lab	mg/L		
SW1	upstream		**COD mg/l**	16/11/12			82	mg/L		
SW1	upstream		**Sodium, total mg/l**	16/11/12			9	mg/L		
SW1	upstream		**Chloride mg/l**	16/11/12			22.6	mg/L		
SW1	upstream		**Potassium, total mg/l**	16/11/12			1	mg/L		

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SW1	upstream		BOD mg/l	07/12/12			<1	mg/L		
SW1	upstream		Suspended Solids mg/l	07/12/12			29	mg/L		
SW1	upstream		pH	07/12/12			6.7	pH units		
SW1	upstream		Conductivity @20C uS/cm	07/12/12			115	µS/cm @20oC		
SW1	upstream		Ammonia as NH3-N mg/l	07/12/12			0.008	mg/L		
SW1	upstream		Total Phosphorus as P mg/l	07/12/12			<0.05	mg/L		
SW1	upstream		Dissolved Oxygen (%)	07/12/12			86.5 @ lab			
SW1	upstream		Orthophosphate as PO4-P mg/l	07/12/12			<0.01	mg/L		
SW1	upstream		Dissolved Oxygen (mg/l)	07/12/12			8.73 @ lab	mg/L		
SW2	downstream		BOD mg/l	13/01/12			<1	mg/L		
SW2	downstream		Suspended Solids mg/l	13/01/12			<2	mg/L		
SW2	downstream		pH	13/01/12			6.8	pH units		
SW2	downstream		Conductivity @20C uS/cm	13/01/12			224	µS/cm @20oC		
SW2	downstream		Ammonia as NH3-N mg/l	13/01/12			0.649	mg/L		
SW2	downstream		Total Phosphorus as P mg/l	13/01/12			0.06	mg/L		
SW2	downstream		Dissolved Oxygen (%)	13/01/12			69.8 @ lab			
SW2	downstream		Orthophosphate as PO4-P mg/l	13/01/12			<0.01	mg/L		
SW2	downstream		Dissolved Oxygen (mg/l)	13/01/12			7.98 @ lab	mg/L		
SW2	downstream		BOD mg/l	10/02/12			<1	mg/L		
SW2	downstream		Suspended Solids mg/l	10/02/12			<2	mg/L		
SW2	downstream		pH	10/02/12			7	pH units		
SW2	downstream		Conductivity @20C uS/cm	10/02/12			126	µS/cm @20oC		
SW2	downstream		Ammonia as NH3-N mg/l	10/02/12			0.14	mg/L		
SW2	downstream		Total Phosphorus as P mg/l	10/02/12			0.05	mg/L		
SW2	downstream		Dissolved Oxygen (%)	10/02/12			78.5 @ lab			
SW2	downstream		Orthophosphate as PO4-P mg/l	10/02/12			<0.01	mg/L		
SW2	downstream		Dissolved Oxygen (mg/l)	10/02/12			8.51 @ lab	mg/L		
SW2	downstream		BOD mg/l	14/03/12			<1	mg/L		
SW2	downstream		Suspended Solids mg/l	14/03/12			2	mg/L		
SW2	downstream		pH	14/03/12			7.1	pH units		
SW2	downstream		Conductivity @20C uS/cm	14/03/12			238	µS/cm @20oC		
SW2	downstream		Ammonia as NH3-N mg/l	14/03/12			0.721	mg/L		
SW2	downstream		Total Phosphorus as P mg/l	14/03/12			<0.05	mg/L		
SW2	downstream		Dissolved Oxygen (%)	14/03/12			71.9 @ lab			
SW2	downstream		Orthophosphate as PO4-P mg/l	14/03/12			0.011	mg/L		
SW2	downstream		Dissolved Oxygen (mg/l)	14/03/12			7.6 @ lab	mg/L		
SW2	downstream		COD mg/l	14/03/12			47	mg/L		
SW2	downstream		Sodium, total mg/l	14/03/12			17	mg/L		
SW2	downstream		Chloride mg/l	14/03/12			29.4	mg/L		
SW2	downstream		Potassium, total mg/l	14/03/12			1	mg/L		
SW2	downstream		BOD mg/l	16/04/12			<1	mg/L		
SW2	downstream		Suspended Solids mg/l	16/04/12			<2	mg/L		
SW2	downstream		pH	16/04/12			7.3	pH units		
SW2	downstream		Conductivity @20C uS/cm	16/04/12			296	µS/cm @20oC		
SW2	downstream		Ammonia as NH3-N mg/l	16/04/12			1.09	mg/L		
SW2	downstream		Total Phosphorus as P mg/l	16/04/12			<0.05	mg/L		
SW2	downstream		Dissolved Oxygen (%)	16/04/12			68.4 @ lab			
SW2	downstream		Orthophosphate as PO4-P mg/l	16/04/12			<0.01	mg/L		
SW2	downstream		Dissolved Oxygen (mg/l)	16/04/12			6.79 @ lab	mg/L		
SW2	downstream		BOD mg/l	16/05/12			<1	mg/L		
SW2	downstream		Suspended Solids mg/l	16/05/12			<2	mg/L		
SW2	downstream		pH	16/05/12			7.3	pH units		
SW2	downstream		Conductivity @20C uS/cm	16/05/12			214	µS/cm @20oC		
SW2	downstream		Ammonia as NH3-N mg/l	16/05/12			0.726	mg/L		
SW2	downstream		Total Phosphorus as P mg/l	16/05/12			<0.05	mg/L		
SW2	downstream		Dissolved Oxygen (%)	16/05/12			75.8 @ lab			
SW2	downstream		Orthophosphate as PO4-P mg/l	16/05/12			<0.01	mg/L		
SW2	downstream		Dissolved Oxygen (mg/l)	16/05/12			7.98 @ lab	mg/L		
SW2	downstream		BOD mg/l	15/06/12			<1	mg/L		
SW2	downstream		Suspended Solids mg/l	15/06/12			41	mg/L		
SW2	downstream		pH	15/06/12			7.3	pH units		
SW2	downstream		Conductivity @20C uS/cm	15/06/12			191	µS/cm @20oC		
SW2	downstream		Ammonia as NH3-N mg/l	15/06/12			0.286	mg/L		
SW2	downstream		Total Phosphorus as P mg/l	15/06/12			0.1	mg/L		
SW2	downstream		Dissolved Oxygen (%)	15/06/12			78.6 @ lab			
SW2	downstream		Orthophosphate as PO4-P mg/l	15/06/12			0.018	mg/L		
SW2	downstream		Dissolved Oxygen (mg/l)	15/06/12			8.31 @ lab	mg/L		
SW2	downstream		COD mg/l	15/06/12			62	mg/L		
SW2	downstream		Sodium, total mg/l	15/06/12			13	mg/L		
SW2	downstream		Chloride mg/l	15/06/12			21.7	mg/L		
SW2	downstream		Potassium, total mg/l	15/06/12			2	mg/L		
SW2	downstream		TON as N mg/l	15/06/12			2.57	mg/L		
SW2	downstream		Alkalinity, total mg/l CaCO3	15/06/12			60	mg/L		
SW2	downstream		Copper, total ug/l	15/06/12			<1	µg/L		
SW2	downstream		Iron, total ug/l	15/06/12			1961	µg/L		
SW2	downstream		Sulphate mg/l	15/06/12			16.3	mg/L		
SW2	downstream		Manganese, total ug/l	15/06/12			248	µg/L		
SW2	downstream		Zinc, total ug/l	15/06/12			<5	µg/L		
SW2	downstream		Chromium, total ug/l	15/06/12			0.7	µg/L		
SW2	downstream		Calcium, total mg/l	15/06/12			23	mg/L		
SW2	downstream		Nickel, total ug/l	15/06/12			<0.5	µg/L		
SW2	downstream		Lead, total ug/l	15/06/12			1	µg/L		
SW2	downstream		Cadmium, total ug/l	15/06/12			<0.5	µg/L		
SW2	downstream		Mercury ug/l	15/06/12			<0.05	µg/L		
SW2	downstream		Magnesium, total mg/l	15/06/12			3	mg/L		

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SW2	downstream		BOD mg/l	13/07/12			<1	mg/L		
SW2	downstream		Suspended Solids mg/l	13/07/12			6	mg/L		
SW2	downstream		pH	13/07/12			6.6	pH units		
SW2	downstream		Conductivity @20C uS/cm	13/07/12			246	µS/cm @20oC		
SW2	downstream		Ammonia as NH3-N mg/l	13/07/12			0.638	mg/L		
SW2	downstream		Total Phosphorus as P mg/l	13/07/12			0.07	mg/L		
SW2	downstream		Dissolved Oxygen (%)	13/07/12			74.1 @ lab			
SW2	downstream		Orthophosphate as PO4-P mg/l	13/07/12			<0.01	mg/L		
SW2	downstream		Dissolved Oxygen (mg/l)	13/07/12			7.69 @ lab	mg/L		
SW2	downstream		BOD mg/l	20/08/12			<1	mg/L		
SW2	downstream		Suspended Solids mg/l	20/08/12			4	mg/L		
SW2	downstream		pH	20/08/12			7.1	pH units		
SW2	downstream		Conductivity @20C uS/cm	20/08/12			231	µS/cm @20oC		
SW2	downstream		Ammonia as NH3-N mg/l	20/08/12			0.276	mg/L		
SW2	downstream		Total Phosphorus as P mg/l	20/08/12			0.06	mg/L		
SW2	downstream		Dissolved Oxygen (%)	20/08/12			73.2 @ lab			
SW2	downstream		Orthophosphate as PO4-P mg/l	20/08/12			<0.01	mg/L		
SW2	downstream		Dissolved Oxygen (mg/l)	20/08/12			7.15 @ lab	mg/L		
SW2	downstream		BOD mg/l	07/09/12			<1	mg/L		
SW2	downstream		Suspended Solids mg/l	07/09/12			6	mg/L		
SW2	downstream		pH	07/09/12			6.8	pH units		
SW2	downstream		Conductivity @20C uS/cm	07/09/12			242	µS/cm @20oC		
SW2	downstream		Ammonia as NH3-N mg/l	07/09/12			0.681	mg/L		
SW2	downstream		Total Phosphorus as P mg/l	07/09/12			0.05	mg/L		
SW2	downstream		Dissolved Oxygen (%)	07/09/12			79.8 @ lab			
SW2	downstream		Orthophosphate as PO4-P mg/l	07/09/12			<0.01	mg/L		
SW2	downstream		Dissolved Oxygen (mg/l)	07/09/12			7.85 @ lab	mg/L		
SW2	downstream		COD mg/l	07/09/12			46	mg/L		
SW2	downstream		Sodium, total mg/l	07/09/12			14	mg/L		
SW2	downstream		Chloride mg/l	07/09/12			25.8	mg/L		
SW2	downstream		Potassium, total mg/l	07/09/12			2	mg/L		
SW2	downstream		BOD mg/l	15/10/12			<1	mg/L		
SW2	downstream		Suspended Solids mg/l	15/10/12			14	mg/L		
SW2	downstream		pH	15/10/12			6.9	pH units		
SW2	downstream		Conductivity @20C uS/cm	15/10/12			230	µS/cm @20oC		
SW2	downstream		Ammonia as NH3-N mg/l	15/10/12			0.523	mg/L		
SW2	downstream		Total Phosphorus as P mg/l	15/10/12			0.09	mg/L		
SW2	downstream		Dissolved Oxygen (%)	15/10/12			77.0 @ lab			
SW2	downstream		Orthophosphate as PO4-P mg/l	15/10/12			<0.01	mg/L		
SW2	downstream		Dissolved Oxygen (mg/l)	15/10/12			7.94 @ lab	mg/L		
SW2	downstream		BOD mg/l	16/11/12			<1	mg/L		
SW2	downstream		Suspended Solids mg/l	16/11/12			4	mg/L		
SW2	downstream		pH	16/11/12			7.2	pH units		
SW2	downstream		Conductivity @20C uS/cm	16/11/12			196	µS/cm @20oC		
SW2	downstream		Ammonia as NH3-N mg/l	16/11/12			0.954	mg/L		
SW2	downstream		Total Phosphorus as P mg/l	16/11/12			<0.05	mg/L		
SW2	downstream		Dissolved Oxygen (%)	16/11/12			79.9 @ lab			
SW2	downstream		Orthophosphate as PO4-P mg/l	16/11/12			<0.01	mg/L		
SW2	downstream		Dissolved Oxygen (mg/l)	16/11/12			7.75 @ lab	mg/L		
SW2	downstream		COD mg/l	16/11/12			39	mg/L		
SW2	downstream		Sodium, total mg/l	16/11/12			10	mg/L		
SW2	downstream		Chloride mg/l	16/11/12			23.3	mg/L		
SW2	downstream		Potassium, total mg/l	16/11/12			2	mg/L		
SW2	downstream		BOD mg/l	07/12/12			<1	mg/L		
SW2	downstream		Suspended Solids mg/l	07/12/12			14	mg/L		
SW2	downstream		pH	07/12/12			6.8	pH units		
SW2	downstream		Conductivity @20C uS/cm	07/12/12			137	µS/cm @20oC		
SW2	downstream		Ammonia as NH3-N mg/l	07/12/12			0.181	mg/L		
SW2	downstream		Total Phosphorus as P mg/l	07/12/12			0.09	mg/L		
SW2	downstream		Dissolved Oxygen (%)	07/12/12			87.5 @ lab			
SW2	downstream		Orthophosphate as PO4-P mg/l	07/12/12			<0.01	mg/L		
SW2	downstream		Dissolved Oxygen (mg/l)	07/12/12			8.83 @ lab	mg/L		
	SELECT	SELECT	SELECT			SELECT		SELECT	SELECT	

*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			SELECT	Additional information
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	SELECT	

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER) Lic No: W0021-02 Year 2012

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 reference 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

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER) Lic No: W0021-02 Year 2012

Continuous monitoring

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

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**	SELECT	
7	Do you have a proactive service contract for each piece of continuous monitoring equipment on site?	SELECT	
8	Did abatement system bypass occur during the reporting year? **If yes please complete table W5 below**	SELECT	

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
	SELECT	SELECT		SELECT	SELECT	SELECT					
	SELECT	SELECT		SELECT	SELECT	SELECT					

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

Table W5: Abatement system bypass reporting table

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

*Measures taken or proposed to reduce or limit bypass frequency

Bund/Pipeline testing template	Lic No:	W0021-02	Year	2012	

Bund testing — dropdown menu click to see options

			Additional information
1	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	
2	Please provide integrity testing frequency period	3 years	
3	Does the site maintain a register of bunds, underground pipelines (including stormwater and foul), Tanks, sumps and containers? (containers refers to "Chemstore" type units and mobile bunds)	No	
4	How many bunds are on site?	6	3 leachate tanks, 1 chemstore, 2 leachate recirculation tanks.
5	How many of these bunds have been tested witin the required test schedule?	0	As tanks have been generally in constant use has not been possible to schedule the testing which requires 7 successive days of non- use.
6	How many mobile bunds are on site?	0	
7	Are the mobile bunds included in the bund test schedule?	SELECT	
8	How many of these mobile bunds have been tested witin the required test schedule?		
9	How many sumps on site are included in the integrity test schedule?	0	
10	How many of these sumps are integrity tested within the test schedule?	0	
	Please list any sump integrity failures in table B1		
11	Do all sumps and chambers have high level liquid alarms?	No	
12	If yes to Q11 are these failsafe systems included in a maintenance and testing programme?		

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)
Tank 1	reinforced concrete		leachate	450m3		Hydraulic test		2006	Yes	Pass		SELECT		
Tank 2	reinforced concrete		leachate	450m3		Hydraulic test		2006	Yes	Pass				
Tank 3	reinforced concrete		leachate	450m3		Hydraulic test		2006	Yes	Pass				
chemstore	prefabricated		household haz material			Structural assessment			No					
Cell 1 recirculation tank	prefabricated		leachate	2.5 m3		Hydraulic test			No					
Cell 2 recirculation tank	prefabricated		leachate	2.5m3		Hydraulic test			No	SELECT		SELECT		

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

Commentary

14	Has integrity testing been carried out in accordance with licence requirements and are all structures tested in line with BS8007/EPA Guidance? bunding and storage guidelines	No	
15	Are channels/transfer systems to remote containment systems tested?	No	
16	Are channels/transfer systems compliant in both integrity and available volume?	No	

Pipeline/underground structure testing

1	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 underground structures and pipelines on site **which failed the integrity test**	No	
2	Please provide integrity testing frequency period	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: W0021-02 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	yes	
5	Is the contamination related to operations at the facility (either current and/or historic)	yes	historic
6	Have actions been taken to address contamination issues?If yes please summarise remediation strategies proposed/undertaken for the site	yes	Installation of cut-off wall around
7	Please specify the proposed time frame for the remediation strategy	N/A	Continuous
8	Is there a licence condition to carry out/update ELRA for the site?	yes	
9	Has any type of risk assesment been carried out for the site?	yes	
10	Has a Conceptual Site Model been developed for the site?	no	
11	Have potential receptors been identified on and off site?	yes	
12	Is there evidence that contamination is migrating offsite?	yes	A possibility at low levels

Table 1: Upgradient Groundwater monitoring results

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration++	Average Concentration+	unit	GTV's*	IGV	% change in average concentration previous year +/-	Upward trend in pollutant concentration over last 5 years of monitoring data
	MW1A	**pH**	accredited laboratory	quareterly	7.2	7	ph units		>6.5 <9.5		SELECT
	MW1A	**Conductivity @20C uS/cm**	accredited laboratory	quareterly	724	609.25	uS/cm		1000		
	MW1A	**Ammonia as NH3-N mg/l**	accredited laboratory	quareterly	0.159	0.06975	mg/l		0.15		
	MW1A	**Total Phosphorus as P mg/l**	accredited laboratory	quareterly	<0.05	<0.05	mg/l				
	MW1A	**Sodium, total mg/l**	accredited laboratory	quareterly	22	16.75	mg/l		150		
	MW1A	**Chloride mg/l**	accredited laboratory	quareterly	41.3	30.125	mg/l		30		
	MW1A	**Dissolved Oxygen (%)**	accredited laboratory	quareterly	56.5	44.175	%		No significant change		
	MW1A	**Potassium, total mg/l**	accredited laboratory	quareterly	4	3	mg/l		5		
	MW1A	**Orthophosphate as PO4-P mg/l**	accredited laboratory	quareterly	<0.01	<0.01	mg/l		0.03		
	MW1A	**Dissolved Oxygen (mg/l)**	accredited laboratory	quareterly	5.45	4.54	mg/l		No significant change		
	MW1A	**TON as N mg/l**	accredited laboratory	quareterly	0.28	0.28	mg/l		No significant change		

Groundwater/Soil monitoring template					Lic No:	W0021-02		Year	2012		
	MW1A	**TOC mg/l**	accredited laboratory	quareterly	2.17	1.775	mg/l		n/a		

.+ where average indicates arithmetic mean

.++ maximum concentration indicates the maximum measured concentration from all monitoring results produced during the reporting year

Table 2: Downgradient Groundwater monitoring results

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration	Average Concentration	unit	GTV's*	IGV	% change in average concentration previous year +/-	Upward trend in yearly average pollutant concentration over last 5 years of monitoring data
	MW24	**pH**	accredited laboratory	quareterly	6.8	6.7	ph units		>6.5 <9.5		SELECT
	MW24	**Conductivity @20C uS/cm**	accredited laboratory	quareterly	2980	2452.5	uS/cm		1000		
	MW24	**Ammonia as NH3-N mg/l**	accredited laboratory	quareterly	144	84.525	mg/l		0.15		
	MW24	**Total Phosphorus as P mg/l**	accredited laboratory	quareterly	0.44	0.265	mg/l				
	MW24	**Sodium, total mg/l**	accredited laboratory	quareterly	369	262	mg/l		150		
	MW24	**Chloride mg/l**	accredited laboratory	quareterly	483	409.75	mg/l		30		
	MW24	**Dissolved Oxygen (%)**	accredited laboratory	quareterly	25.2	19.3	%		No significant change		
	MW24	**Potassium, total mg/l**	accredited laboratory	quareterly	49	39.5	mg/l		5		
	MW24	**Orthophosphate as PO4-P mg/l**	accredited laboratory	quareterly	<0.01	<0.01	mg/l		0.03		
	MW24	**Dissolved Oxygen (mg/l)**	accredited laboratory	quareterly	2.52	2.0025	mg/l		No significant change		
	MW24	**TON as N mg/l**	accredited laboratory	quareterly	<0.1	<0.1	mg/l		No significant change		
	MW24	**TOC mg/l**	accredited laboratory	quareterly	81.2	60.475	mg/l		n/a		

* 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 GTV's	Drinking water (private supply) standards	Drinking water (public supply) standards	Interim Guideline Values (IGV)

Groundwater/Soil monitoring template Lic No: W0021-02 Year 2012

Table 3: Soil results

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

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

Environmental Liabilities template		Lic No:	W0021-02	Year	2012

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

			Commentary
1	ELRA initial agreement status	Submitted and agreed by EPA	
2	ELRA review status	Review required and not completed;	Review date has not been reached
3	Amount of Financial Provision cover required as determined by the latest ELRA	€8,970,000	
4	Financial Provision for ELRA status	Required but not submitted	Quotation sought form IPB insurance, awaiting response
5	Financial Provision for ELRA - amount of cover	€8,970,000	
6	Financial Provision for ELRA - type	nsurance with Environmental Impairment	Liability cover,
7	Financial provision for ELRA expiry date	Enter expiry date	Not applicable at this time
8	Closure plan initial agreement status	losure plan submitted and agreed by EPA	
9	Closure plan review status	Review required and not completed	Not required until 2014
10	Financial Provision for Closure status	Submitted and agreed by EPA	
11	Financial Provision for Closure - amount of cover	Specify	Landfill is closed and final cap installed
12	Financial Provision for Closure - type	Other please specify	Paid
13	Financial provision for Closure expiry date	Enter expiry date	N/A

Environmental Management Programme/Continuous Improvement Programme template

Lic No: W0021-02 Year 2012

Highlighted cells contain dropdown menu click to view

			Additional Information
1	Do you maintain an Environmental Mangement System (EMS) for the site. If yes, please detail in additional information	Yes	
2	Does the EMS reference the most significant environmental aspects and associated impacts on-site	Yes	
3	Does the EMS maintain an Environmental Management Programme (EMP) as required in accordance with the licence requirements	Yes	
4	Do you maintain an environmental documentation/communication system to inform the public on environmental performance of the facility, as required by the licence	Yes	l environmental records are stored in the public office for inspectio

Environmental Management Programme (EMP) report

Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes
Reduction of emissions to Wastewater	Reduce leachate generation	100	Final cap installed	Section Head	Reduced emissions
Energy Efficiency/Utility conservation	Install gas utilisation plant	60	Grid connection approved	Section Head	None at present
Reduction of emissions to Air	Reduce odours	100	Final cap installed	Section Head	Less complaints

Noise monitoring summary report

Lic No: W0021-02 Year 2012

1	Was noise monitoring a licence requirement for the AER period? If yes please fill in table N1 noise summary below	Yes
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? (Noise Guidance note NG4)	Yes
3	Does your site have a noise reduction plan	No
4	When was the noise reduction plan last updated?	
5	Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since the last noise survey?	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)?
30/11/2012	30 mins	N2		54.1	32.2	48.2	76	No	No		Yes
30/11/2012	30 mins	N5		33.3	31	33.8	52.2	No	No		Yes
30/11/2012	30 mins		N1 main road	71	37.6	74.6	86.8	No	No	Traffic noise dominant	
30/11/2012	30 mins		N6 Nearest dwe	56.7	35.8	61.6	71	No	No	Traffic noise dominant	

*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?

The landfill operations ceased in April 2012. This resulted in a large reduction in HGV traffic to the site. The landfill compactor was removed from site further reducing noise associated with the landfill.

Resource Usage/Energy efficiency summary

Lic No: W0021-02 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	
2	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 — SEAI - Large Industry Energy Network (LIEN)	no
3	Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in additional information	SELECT — N/A

Table R1 Energy usage on site

Energy Use	Previous year	Current year	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total Energy Used (MWHrs)		0		
Total Energy Generated (MWHrs)	0	0		
Total Renewable Energy Generated (N	0	0		
Electricity Consumption (MWHrs)	221619	198033		11%
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)	56536.32	29715.04		
Light Fuel Oil (m3)	34.29	39.87		
Natural gas (CMN)	0	0		
Coal/Solid fuel (metric tonnes)	0	0		
Peat (metric tonnes)	0	0		
Renewable Biomass	0	0		
Renewable energy generated on site	0	0		

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

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

Table R2 Water usage on site

					Water Emissions	**Water Consumption**	
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*	Volume Discharged back to environment(m^3yr):	Volume used i.e not discharged to environment e.g. released as steam m3/yr	Unaccounted for Water:
Groundwater	0	0					
Surface water	473	140			140		
Public supply	150	150		0			
Recycled water	0	0					
Total							

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

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

Table R3 Waste Stream Summary

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

Resource Usage/Energy efficiency summary

Lic No: W0021-02 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					

Complaints and Incidents summary template

Lic No: W0021-02 Year 2012

Complaints

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		Additional information
	Yes	

Table 1 Complaints summary

Date	Category	Other type (please specify)	Brief description of complaint (Free txt <20 words)	Corrective action< 20 words	Resolution status	Resolution date	Further information
08/08/2012	Odour		Odour complaint from loc	Final capping workstaking	Complete	08/08/2012	Final cap construction completed 26/10/12
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		

Total complaints open at start of reporting year	0
Total new complaints received during reporting year	1
Total complaints closed during reporting year	1
Balance of complaints end of reporting year	0

Incidents

Have any incidents occurred on site in the current reporting year? Please list all incidents for current reporting year in Table 2 below		Additional information
	Yes	

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

Table 2 Incidents summary

Date of occurrence	Incident nature	Location of occurrence	Incident category*please refer to guidance	Receptor	Cause of incident	Other cause(please specify)	Activity in progress at time of incident	Communication	Occurrence	Corrective action<20 words	Preventative action <20 words	Resolution status	Resolution date	Liklihood of reoccurence
06/01/2012	Flare shutdown	Licenced discharge point (typ	1. Minor	No Uncontrolled release	Plant or equipment issues		Normal activities	EPA	New	Replacement part required		Complete	09/01/2012	SELECT
23/11/2012	Flare shutdown	Licenced discharge point (typ	1. Minor	No Uncontrolled release	Other (add details	Planned to allow u	Infrastructure upgr	EPA	New			Complete	23/11/2012	SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT

Total number of incidents current year	2
Total number of incidents previous year	
% reduction/ increase	

WASTE SUMMARY	Lic No:	W0021-02	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 B- WASTE ACCEPTED ONTO SITE-TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES

			Additional Information
1	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) If yes please enter details in table 1 below	Yes	
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	
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	

Table 1 Details of waste accepted onto your site for recovery, disposal or treatment (do not include wastes generated at your site, as these will have been reported in your PRTR workbook)

Licenced annual tonnage limit for your site (total tonnes/annum)	EWC code European Waste Catalogue EWC codes	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 -
40000	*200301*	*20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS*		*11243.3*	*33002.65*	66%	*Landfill reached capacity and closed on 20th April 2012*		*D5- Specially engineered landfill*		

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

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
Non Hazardous	40,000	11,243		Landfill closed 20/4/12
			0	

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	m2	m2	

WASTE SUMMARY					Lic No:	W0021-02		Year	2012				
Cell 2	Nov-05	20/04/2012	No	Public	Non Hazardous	20/04/2012	No			39000	39000	39000	1mm capping

WASTE SUMMARY

Lic No: W0021-02 Year 2012

Table 4 Environmental monitoring-landfill onl

Landfill Manual-Monitoring Standards

Was meterological 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	No	No	Yes	Yes	

.+ 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 m2 ha, a	Area capped other	Area with waste that should be permanently capped to date under licence	What materials are used in the cap	Comments
SELECT UNIT	SELECT UNIT					
0	0	39000 m2	approx 42,000	39000	1mm ldpe liner and 1m/.5m soil	Area inside cut off wall being capped with unwelded 1mm liner to reduce surface water infiltration.

*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
10	Is leachate released to s	No

Volume of leachate in reporting year(m3)	Leachate (BOD) mass load (kg/annum)	Leachate (COD) mass load (kg/annum)	Leachate (NH4) mass load (kg/annum)	Leachate (Chloride) mass load kg/annum	Leachate treatment on-site	Specify type of leachate treatment	Comments
76376.05	10209	15877	see comment	10380	none		ammonia as NH3 = 4913kg

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 m3	Power generated (MW / KWh)	Used on-site or to national grid	Was surface emissions monitoring performed during the reporting year?	Comments
751969 m3 CH4	0	N/A	No	To be carried out in 2013

Guidance to completing the PRTR workbook

AER Returns Workbook

Version 1.1.15

REFERENCE YEAR	2012

1. FACILITY IDENTIFICATION

Parent Company Name	Mayo County Council
Facility Name	Derrinumera Landfill Facility
PRTR Identification Number	W0021
Licence Number	W0021-02

Waste or IPPC Classes of Activity

No.	class_name
3.1	Deposit on, in or under land (including landfill).
3.13	Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.
3.5	Specially engineered landfill, including placement into lined discrete cells which are capped and isolated from one another and the environment.
3.6	Biological treatment not referred to elsewhere in this Schedule which results in final compounds or mixtures which are disposed of by means of any activity referred to in paragraphs 1. to 10. of this Schedule.
3.7	##

4.13	Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced.
4.2	Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes).
4.3	Recycling or reclamation of metals and metal compounds.
4.4	Recycling or reclamation of other inorganic materials.
Address 1	Derrinumera/Drumilra (Townlands)
Address 2	Newport
Address 3	County Mayo
Address 4	
	Mayo
Country	Ireland
Coordinates of Location	-7.4634 53.8497
River Basin District	IEWE
NACE Code	3821
Main Economic Activity	Treatment and disposal of non-hazardous waste
AER Returns Contact Name	Killian Farrell
AER Returns Contact Email Address	kfarrell@mayococo.ie
AER Returns Contact Position	Deputy Landfill Manager
AER Returns Contact Telephone Number	098-41632
AER Returns Contact Mobile Phone Number	087-9155475
AER Returns Contact Fax Number	098-41676
Production Volume	0.0
Production Volume Units	
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	7
User Feedback/Comments	
Web Address	

2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
5(d)	Landfills
5(c)	Installations for the disposal of non-hazardous waste
5(d)	Landfills
50.1	General

3. SOLVENTS REGULATIONS (S.I. No. 543 of 2002)

Is it applicable?	
Have you been granted an exemption ?	
If applicable which activity class applies (as per Schedule 2 of the regulations) ?	
Is the reduction scheme compliance route being used ?	

4. WASTE IMPORTED/ACCEPTED ONTO SITE Guidance on waste imported/accepted onto site

Do you import/accept waste onto your site for on-site treatment (either recovery or disposal activities) ?	

This question is only applicable if you are an IPPC or Quarry site

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

RELEASES TO AIR					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD			QUANTITY			
			Method Used		Flare			
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
03	Carbon dioxide (CO2)	M	CRM	GASSIM	2754855.4	2754855.4	0.0	0.0
01	**Methane (CH4)**	E	OTH	Calculated from flare	462274.97	462274.97	0.0	0.0

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

SECTION B : REMAINING PRTR POLLUTANTS

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

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

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

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

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

Landfill: Derrinumera Landfill Facility

Please enter summary data on the quantities of methane flared and / or utilised	**T (Total) kg/Year**	**M/C/E**	**Method Used**		**Facility Total Capacity m3 per hour**	
			Method Code	**Designation or Description**		
Total estimated methane generation (as per site model)	946111.97	M	CRM	GASSIM	N/A	
Methane flared	483837.0	E	Oth	Bernard Hyde Spreadsheet	250.0	(Total Flaring Capacity)
Methane utilised in engine/s	0.0				0.0	(Total Utilising Capacity)
Net methane emission (as reported in Section A above)	462274.97	E	OTH	calculated from flare	N/A	

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

Please enter all quantities on this sheet in Tonnes

0

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	02 01 04	No	20.0	Farm Plastic	R3	M	Weighed	Offsite in Ireland	IFFPG,Exempt	Waverly Road,.,Dublin,10,Ireland		
Within the Country	16 01 03	No	15.9	end-of-life tyres	R5	M	Weighed	Offsite in Ireland	Barna Waste,W0106-02	Carrowbrowne Headford Road ,.,Galway,.,Ireland		
Within the Country	16 01 07	Yes	0.22	oil filters	R9	M	Weighed	Offsite in Ireland	Barna Waste,W0106-02	Carrowbrowne Headford Road ,.,Galway,.,Ireland	ENVA,W0184-01,Clonminam Industrial estate,.,Portlaoise Co. Laois,.,Ireland	.,.,.,.,Ireland
Within the Country	16 05 04	Yes	1.18	gases in pressure containers (including halons) containing dangerous substances	R4	M	Weighed	Offsite in Ireland	Ecosafe systems(SRCL),W0054-02	Unit 1A Allied Industrial Estate Kylemore Road,.,Dublin ,10,Ireland	Recyfuel SA,BE 459735458,Zoning Industrial dHein,.,Engis,B4480,Belgium	.,.,.,.,Belgium
Within the Country	17 02 01	No	158.58	wood	R3	M	Weighed	Offsite in Ireland	Derrinumera Landfill Site,W0021-02	.,.,Newport Co. Mayo,.,Ireland		
Within the Country	17 08 02	No	9.76	gypsum-based construction materials other than those mentioned in 17 08 01	R5	M	Weighed	Offsite in Ireland	Barna Waste,W0106-02	Carrowbrowne Headford Road ,.,Galway,.,Ireland		
Within the Country	19 07 03	No	76376.05	landfill leachate other than those mentioned in 19 07 02	D9	M	Weighed	Offsite in Ireland	Westport WWTP,D0055-01	.,.,.,.,Ireland		
Within the Country	20 01 01	No	194.8	paper and cardboard	R3	M	Weighed	Offsite in Ireland	Bourke Waste,wfp/mo/08/0004/01	Clogher,.,Westport,.,Ireland		
Within the Country	20 01 01	No	120.36	paper and cardboard	R3	M	Weighed	Offsite in Ireland	Bourke Waste,wfp/mo/08/0004/01	Clogher,.,Westport,.,Ireland		
Within the Country	20 01 02	No	81.52	glass	R5	M	Weighed	Offsite in Ireland	Rehab Recycling,03//02	Ballymount,.,Dublin,.,Ireland		
Within the Country	20 01 02	No	8.08	glass	R5	M	Weighed	Offsite in Ireland	Barna Waste,W0106-02	Carrowbrowne Headford Road ,.,Galway,.,Ireland		
Within the Country	20 01 10	No	20.54	clothes	R3	M	Weighed	Offsite in Ireland	Textile Recycling Ltd,WPR - 014	.,Unit 504A Greenogue Business Park Rathcoole,Dublin,24,Ireland		
Within the Country	20 01 21	Yes	0.84	fluorescent tubes and other mercury-containing waste	R4	M	Weighed	Offsite in Ireland	KMK metal,W0113-02	Cappincur Industrial estate,Daingean Road,Tullamore Co. Offaly,.,Ireland	KMK metal,W0113-02,Cappincur Industrial estate Daingean road,.,Tullamore Co. Offaly,.,Ireland	.,.,.,.,Ireland
Within the Country	20 01 23	Yes	18.701	discarded equipment containing chlorofluorocarbons	R4	M	Weighed	Offsite in Ireland	KMK metal,W0113-02	Cappincur Industrial estate,Daingean Road,Tullamore Co. Offaly,.,Ireland	KMK metal,W0113-02,Cappincur Industrial estate Daingean road,.,Tullamore Co. Offaly,.,Ireland	.,.,.,.,Ireland
Within the Country	20 01 25	No	0.26	edible oil and fat	R3	M	Weighed	Offsite in Ireland	Frylite,CW227	Kilcolgan,.,Galway,.,Ireland		
Within the Country	20 01 26	Yes	6.92	oil and fat other than those mentioned in 20 01 25	R9	M	Weighed	Offsite in Ireland	ENVA,W0184-01	Clonminam Industrial estate,.,Portlaoise Co. Laois,.,Ireland	ENVA,W0184-01,Clonminam Industrial estate,.,Portlaoise Co. Laois,.,Ireland	.,.,.,.,Ireland
To Other Countries	20 01 27	Yes	18.06	paint, inks, adhesives and resins containing dangerous substances	R1	M	Weighed	Abroad	Ecosafe systems(SRCL),W0054-02	Unit 1A Allied Industrial Estate Kylemore Road,.,Dublin ,10,Ireland	Recyfuel SA,BE 459735458,Zoning Industrial dHein,.,Engis,B4480,Belgium	.,.,.,.,Belgium

Within the Country	20 01 33	Yes	5.04	batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries	R4	M	Weighed	Offsite in Ireland	RILTA,W0192-02	Grants Drive,402 Greenogue Business Park rathcoole,Dublin,.,Ireland	RILTA,W0192-02,grants drive,402 greenogue Business Park rathcoole,Dublin,.,Ireland	grants drive,402 greenogue Business Park rathcoole,Dublin,.,Ireland
Within the Country	20 01 33	Yes	1.206	batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries	R4	M	Weighed	Offsite in Ireland	KMK metal,W0113-02	Cappincur Industrial estate,Daingean Road,Tullamore Co. Offaly,.,Ireland	KMK metal,W0113-02,Cappincur Industrial estate Daingean road,.,Tullamore Co. Offaly,.,Ireland	.,.,.,.,Ireland
Within the Country	20 01 34	No	1.402	batteries and accumulators other than those mentioned in 20 01 33	R4	M	Weighed	Offsite in Ireland	KMK metal,W0113-02	Cappincur Industrial estate,Daingean Road,Tullamore Co. Offaly,.,Ireland	KMK metal,W0113-02,Cappincur Industrial estate Daingean road,.,Tullamore Co. Offaly,.,Ireland	.,.,.,.,Ireland
Within the Country	20 01 36	No	54.162	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	R4	M	Weighed	Offsite in Ireland	KMK metal,W0113-02	Cappincur Industrial estate,Daingean Road,Tullamore Co. Offaly,.,Ireland		
Within the Country	20 01 36	No	30.269	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	R4	M	Weighed	Offsite in Ireland	KMK metal,W0113-02	Cappincur Industrial estate,Daingean Road,Tullamore Co. Offaly,.,Ireland		
Within the Country	20 01 36	No	104.231	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	R4	M	Weighed	Offsite in Ireland	KMK metal,W0113-02	Cappincur Industrial estate,Daingean Road,Tullamore Co. Offaly,.,Ireland		
Within the Country	20 01 38	No	362.9	wood other than that mentioned in 20 01 37	R3	M	Weighed	Onsite of generatic	Derrinumera Landfill Site,W0021-02	.,.,Newport Co. Mayo,.,Ireland		
Within the Country	20 01 39	No	30.96	plastics	R3	M	Weighed	Offsite in Ireland	Barna Waste,W0106-02	Carrowbrowne Headford Road ,.,Galway,.,Ireland		
Within the Country	20 01 39	No	22.42	plastics	R3	M	Weighed	Offsite in Ireland	Barna Waste,W0106-02	Carrowbrowne Headford Road ,.,Galway,.,Ireland		
Within the Country	20 01 39	No	24.86	plastics	R3	M	Weighed	Offsite in Ireland	Barna Waste,W0106-02	Carrowbrowne Headford Road ,.,Galway,.,Ireland		
Within the Country	20 01 39	No	0.22	plastics	R3	M	Weighed	Offsite in Ireland	Barna Waste,W0106-02	Carrowbrowne Headford Road ,.,Galway,.,Ireland		
Within the Country	20 01 40	No	110.4	metals	R4	M	Weighed	Offsite in Ireland	Barna Waste,W0106-02	Carrowbrowne Headford Road ,.,Galway,.,Ireland		
Within the Country	20 01 40	No	16.8	metals	R4	M	Weighed	Offsite in Ireland	Barna Waste,W0106-02	Carrowbrowne Headford Road ,.,Galway,.,Ireland		
Within the Country	20 01 40	No	3.08	metals	R4	M	Weighed	Offsite in Ireland	Barna Waste,W0106-02	Carrowbrowne Headford Road ,.,Galway,.,Ireland		
Within the Country	20 01 99	No	6.26	other fractions not otherwise specified	R3	M	Weighed	Offsite in Ireland	Barna Waste,W0106-02	Carrowbrowne Headford Road ,.,Galway,.,Ireland		
Within the Country	20 02 01	No	37.84	biodegradable waste	R3	M	Weighed	Offsite in Ireland	Barna Waste,W0106-02	Carrowbrowne Headford Road ,.,Galway,.,Ireland		

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

Link to previous years waste data
Link to previous years waste summary data & percentage change

A survey of landfill sites to determine the quantity of methane flared and or recovered in utilisation plants for 2012

Please choose from the drop down menu the license number for your site	W0021
Please choose from the drop down menu the name of the landfill site	Derrinumera Landfill Facility
Please enter the number of flares operational at your site in 2012	1
Please enter the number of engines operational at your site in 2012	0
Total methane flared	#REF! kg/year
Total methane utilised in engines	#REF! kg/year

Please note that the closing date for reciept of completed surveys is 31/03/2013

Introduction

The Office of Climate Licensing and Resource Use (OCLR) of the Environmental Protection Agency acts as the inventory agency in Ireland with responsibility for compiling and reporting national greenhouse gas inventories to the European Commission and the United Nations Framework Convention on Climate Change. In addition to meeting international commitments Ireland's national greenhouse gas inventory informs national agencies and Government departments as they face the challenge to curb emissions and meet Ireland's targets under the Kyoto Protocol. The national inventory also informs data suppliers, making them aware of the importance of their contributions to the inventory process and a means of identifying areas where input data may be improved.

It is on this basis that the Environmental Protection Agency is asking landfill operators to partake in this survey so that the most uptodate information on methane flaring and recovery in utilisation plants at landfills sites is used in calculating the contribution of the waste sector to national greenhouse gas emissions

The Environmental Protection Agency wishes to thank you for partaking in this survey. If you have any questions about the survey and how to complete it please view the "Help sheet" worksheet. If however, your query is not answered by viewing the "Help sheet" worksheet please contact:
LFGProject@epa.ie

Once completed please send the completed file as an attachment clearly stating the name and or license number of the landfill site (e.g. W000 Xanadu landfill_2012) to:
LFGProject@epa.ie

	to be filled in by licensee		calculated by spreadsheet	

Flare No. 1

Flare type ?	Organics SC250	**If "other" enter flare description here**	
Is the flare an open or enclosed flare ?	Enclosed	**Rated flare capacity ?**	250 **m3/hr**
Month /year comissioned ?	July 2001		
Month decomissioned if decomissioned in 2012 ?	Select		
What is the function of the flare ?	Extraction from capped and uncapped areas	**If "other" enter flare function here**	

Monthly	Method M/C/E	Runtime days/month	Runtime hrs/day	Downtime hrs	Total runtime hrs/month	Average Inlet Pressure (mbg)	Average Flow Rate (m^3/hr)	Average CH_4 %v/v	Average CO_2 %v/v	Average O_2 %v/v	Combustion efficiency (%)	Total CH_4 m^3	Total CH_4 kgs
January	MCE	31	24.0	65.5	679	-90	232	50.00	24.00	1.20	98.0	77,132	48,525
February	MCE	29	24.0		696	-90	232	50.00	24.00	1.20	98.0	79,121	49,777
March	MCE	31	24.0		744	-90	232	50.00	24.00	1.20	98.0	84,578	53,210
April	MCE	30	24.0	1.0	719	-79	115	51.00	30.00	2.00	98.0	41,326	26,309
May	MCE	31	24.0		744	-79	115	51.00	30.00	2.00	98.0	42,763	27,224
June	MCE	30	24.0		720	-79	115	51.00	30.00	2.00	98.0	41,383	26,345
July	MCE	31	24.0	1.0	743	-60	115	41.00	28.00	3.00	98.0	34,332	22,301
August	MCE	31	24.0		744	-60	115	41.00	28.00	3.00	98.0	34,378	22,331
September	MCE	30	24.0		720	-60	115	41.00	28.00	3.00	98.0	33,269	21,610
October	MCE	31	24.0	1.0	743	-50	220	60.00	35.00	1.00	98.0	96,114	63,087
November	MCE	30	24.0	14.0	706	-50	220	60.00	35.00	1.00	98.0	91,328	59,946
December	MCE	31	24.0		744	-50	220	60.00	35.00	1.00	98.0	96,244	63,172
Total					8,702							751,969	483,837

Please note: Only fill the "Yearly" table if data is not availabe or cannot be calculated nor estimated on a monthly basis

Yearly	Method M/C/E	Runtime days/year	Runtime hrs/day	Downtime hrs	Total runtime hrs/year	Average Inlet Pressure (mbg)	Average Flow Rate m^3/hr	Average CH_4 %v/v	Average CO_2 %v/v	Average O_2 %v/v	Combustion efficiency (%)	Total CH_4 m^3	Total CH_4 kgs
2012					0						98.0	0	0