

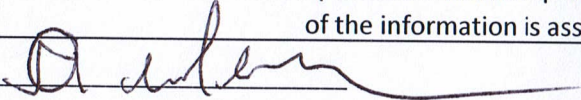
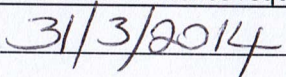
Facility Information Summary	
AER Reporting Year	2013
Licence Register Number	W0169-01
Name of site	Mulleady's Ltd
Site Location	Cloonaugh, Drumlish, County Longford
NACE Code	3811, 3821
Class/Classes of Activity	Prical Class of Activity 3.13
National Grid Reference (6E, 6 N)	"-7.7835" "53.8063"

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.**

Mulleady's Ltd is a waste recycling and transfer facility licenced to accept 95,000 tonnes of waste per annum. We operate three recycling Sheds. Recycling Shed No. 1 deals with all mixed waste from wheelie bins, skips and roll-ons. Recyclable elements are hand picked off, the waste is then shredded and trolled. The oversize (over 50 mm) goes to landfill and the undersize (under 50 mm) comprising of waste fines goes to a composting plant for stabilisation. Trommelling proces is not in operation since June 2012, waste as 20 03 01 transported to landfill or incinerator. Recycling Shed No. 2 deals with Mixed Dry Recyclables coming from municipal collections. All mixed dry recyclables is unloaded to Shed No. 2 floor from where transfered by inclined conveyor to the picking line in Shed No. 3. Recycling Shed No. 3 houses newly installed equipment and a picking station for the segregation of mixed dry recyclables loads from domestic, commercial and industrial outlets. In 2013 Mulleady's produced high quality polymer separated PET and HDPE Bottles, Mixed Plastic Trays. Mulleadys accepted 28417.620 tonnes of material in reporting period 2013 of which 41% was sent to lanfill, 24% for incineration, 28% recycled and 7% stabilised. By continuous introduction of Brown Bin to commercial and household customers we diverted 327 tonnes of Organic Waste from Landfill.

Declaration:

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

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

AIR-summary template

Lic No:

W0169-01

Year

2013

Answer all questions and complete all tables where relevant

Additional information

- 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

Yes

During the reporting period three set of results were obtained for dust. Standard method VDI12119 (Measurement of Dustfall, Determination of Dustfall using Bergerhoff Instrument (Standard Method) German Engineering Institute) was utilized for analysis

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
- 3 Was all monitoring carried out in accordance with EPA guidance note AG2 and using the [Basic air monitoring checklist](#) [AGN2](#)

No

Yes

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
No. 1 D1	Dust	29/04/2013 - 28/05/2013	No	350 mg/m ² /day	281	mg/m ² /day	yes	Dust is collected using a jam jar collector, Bergerhoff method. Determination of Dust	0.102565	
No. 1 D3	Dust	29/04/2013 - 28/05/2014	No	350 mg/m ² /day	22.2	mg/m ² /day	yes	Dust is collected using a jam jar collector, Bergerhoff method. Determination of Dust	0.008103	
No. 1 D4	Dust	29/04/2013 - 28/05/2015	No	350 mg/m ² /day	284	mg/m ² /day	yes	Dust is collected using a jam jar collector, Bergerhoff method. Determination of Dust	0.10366	
No. 2 D1	Dust	25/07/2013 - 23/08/2013	No	350 mg/m ² /day	132	mg/m ² /day	yes	Dust is collected using a jam jar collector, Bergerhoff method. Determination of Dust	0.04818	
No. 2 D3	Dust	25/07/2013 - 23/08/2014	No	350 mg/m ² /day	21.1	mg/m ² /day	yes	Dust is collected using a jam jar collector, Bergerhoff method. Determination of Dust	0.0077015	
No. 2 D4	Dust	25/07/2013 - 23/08/2015	No	350 mg/m ² /day	54.9	mg/m ² /day	yes	Dust is collected using a jam jar collector, Bergerhoff method. Determination of Dust	0.0200385	
No. 3 D1	Dust	22/10/2013 - 24/11/2013	No	350 mg/m ² /day	46.6	mg/m ² /day	yes	Dust is collected using a jam jar collector, Bergerhoff method. Determination of Dust	0.017009	
No. 3 D3	Dust	22/10/2013 - 24/11/2014	No	350 mg/m ² /day	8.62	mg/m ² /day	yes	Dust is collected using a jam jar collector, Bergerhoff method. Determination of Dust	0.0031463	
No. 3 D4	Dust	22/10/2013 - 24/11/2015	No	350 mg/m ² /day	71.8	mg/m ² /day	yes	Dust is collected using a jam jar collector, Bergerhoff method. Determination of Dust	0.026207	

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

AIR-summary template	Lic No: W0169-01	Year	2013
Continuous Monitoring			

<p>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 A2 and compare it to its relevant Emission Limit Value (ELV)</p>	No	
<p>5 Did continuous monitoring equipment experience downtime? If yes please record downtime in table A2 below</p>	No	
<p>6 Do you have a proactive service agreement for each piece of continuous monitoring equipment?</p>	No	
<p>7 Did your site experience any abatement system bypasses? If yes please detail them in table A3 below</p>	No	

Table A2: Summary of average emissions -continuous monitoring

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

WASTE SUMMARY	Lic No:	W0169-01	Year	2013
SECTION A-PRTR ON SITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES		PRTR facility logon	dropdown list click to see options	

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 **1 boundaries is to be captured through PRTR reporting**)

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

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	Additional Information
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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	Additional Information
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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)	EWG code	Source of waste accepted	Description of waste accepted Please enter an accurate and detailed description - which applies to relevant EWG code European Waste Catalogue EWG 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 -
	20 03 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Mixed residual waste from household and commercial collections	16904.1	15013.27	13%	Wallace customers joining Mulleady's	NA	D13- Blending or mixing prior to submission to any of the operations numbered D1 to D12		
	20 03 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Mixed dry recyclables from household and commercial collections	5856.23	5088.37	15%	Wallace customers joining Mulleady's	NA	R5-Recycling/reclamation or other inorganic materials which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials		MDR brought to the site from other Transfer Stations for picking
	20 01 08	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Food waste from household and Commercial Collection	349.28	350.96	0%			D15-Storage pending any of the operations numbered D1 to D14		
	20 01 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Paper from municipal waste	9.7	0	#DIV/0!			R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		

WASTE SUMMARY		Lic No:	W0169-01	Year	2013								
		20 03 03	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Street Cleaning Residues	72.54	74.44	-3%			D15-Storage pending any of the operations numbered D1 to D14			
		20 03 07	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Bulky waste coming from skips	1111.99	1630.85	-32%			D13- Blending or mixing prior to submission to any of the operations numbered D1 to D12			
		15 01 01	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Cardboard packaging from municipal collection	647.37	450.21	44%	Increase in MDR entering the facility from outside contractors		R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)			
		15 01 02	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Plastic packaging from municipal collection	146.47	104.65	40%	Increase in MDR entering the facility from outside contractors		R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)			
		15 01 04	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Metal packaging	107.56	86.84	24%			R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)			
		15 01 07	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Glass packaging (bottle banks, municipal collection, Civic Amenity).	1241.37	1288.02	-4%			R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)			
		16 01 03	16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST	Car and tractor Tyres	185.82	9.22	1915%			R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)			

WASTE SUMMARY		Lic No: W0169-01		Year 2013								
	17 09 04	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Mixed C&D waste coming from construction sites.	126.54	260.6	-51%			D13- Blending or mixing prior to submission to any of the operations numbered D1 to D12			
	20 03 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Mixed recyclables coming from commercial and industrial sources.	404.33	488.95	-17%			R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)			
	10 01 01	10- WASTES FROM THERMAL PROCESSES	Gravel type bottom ash coming from industrial source.	780.27	464.7	68%	New contract with Masonite Ireland.		D15-Storage pending any of the operations numbered D1 to D14			
	08 01 14	08- WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS,) ADHESIVES, SEALANTS AND PRINTING INKS	Paint Sludge coming from industrial source.	185.58	154.22	20%	New contract with Masonite Ireland.		D15-Storage pending any of the operations numbered D1 to D14			
	201040	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Metal coming from municipal collections	42.306	30.708	38%			R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)			
	150104	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Metal Packaging	28.204	20.47	38%			R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)			
	170201	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	C&D WOOD	102.87	64.58	59%			R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)			

WASTE SUMMARY	Lic No:	W0169-01	Year	2013
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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 SS3(A)(5) of WMA been submitted in reporting year	Comments

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

Table 5 Capping-Landfill only

Area uncapped*	Area with temporary cap	Area with 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					

*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?

SELECT

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

SELECT

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

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
			SELECT	

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

Lic No:

W0169-01

Year

2013

Additional information

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 licensed emissions you only need to complete table W1 and or W2 for storm water analysis and visual inspections

Yes	In 2013 the monitoring of surface water was carried out in accordance with Schedule D4 of the waste Licence. Daily visual inspections are carried out on the surface water pit SD-1. June 2nd 2011 Mulleadys requested review of monitoring requirement of off-site surface water drain. Agency reviewed past 4 years monitoring data for SD-1, SW-1 and SW-2 and agreed to proposed reduction in monitoring locations under Condition 7.2 of the licence. Mulleadys continued to monitor surface water discharges at the on-site chamber downstream of the interceptors on a quarterly basis as per the licence requirements and visual inspections on a daily basis
Yes	No evidence of contamination noted.

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

Table W1 Storm water monitoring

Location reference	Location relative to site activities	PRTR Parameter	Licensed Parameter	Monitoring date	ELV or trigger level in licence or any revision thereof*	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Comments
	SELECT	SELECT	SELECT			SELECT		SELECT	SELECT	
	SELECT	SELECT	SELECT			SELECT		SELECT	SELECT	

*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)

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

Yes	Additional information
Yes	Monitoring carried out for Monitoring point SG-1 Treated Sewage Emissions shows an exceedance of WL limit for Total Ammonia, where limit is 5mg/l and monitoring result was 9.61 mg/l. However we retested and monitoring result were recorded at 0.771. New operation procedures were applied as well as more frequent desludging.

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 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/ Substance ^{Note 1}	Type of sample	Frequency of monitoring	Averaging period	ELV or trigger values in licence or any revision thereof ^{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
SD - 1	Water	Suspended Solids	discrete	05/03/2013	SELECT	≤25mg/l	All values < ELV	12	mg/l	yes	Alcontrol Laboratories Method: TM022, Determination of total suspended solids in waters	B.S. (British Standard)	BS EN 872	0.00438	
WWT - 1	Wastewater/Sewer	Suspended Solids	discrete	05/03/2013		400mg/l	All values < ELV	118	mg/l	yes	Alcontrol Laboratories Method: TM022, Determination of total suspended solids in waters	B.S. (British Standard)	BS EN 872	0.04307	
SD - 1	Water	Suspended Solids	discrete	28/05/2013		≤25mg/l	All values < ELV	4.5	mg/l	yes	Alcontrol Laboratories Method: TM022, Determination of total suspended solids in waters	B.S. (British Standard)	BS EN 872	0.0016425	
WWT - 1	Wastewater/Sewer	Suspended Solids	discrete	10/06/2013		400mg/l	All values < ELV	80	mg/l	yes	Alcontrol Laboratories Method: TM022, Determination of total suspended solids in waters	B.S. (British Standard)	BS EN 872	0.0292	
SD - 1	Water	Suspended Solids	discrete	28/08/2013		≤25mg/l	All values < ELV	5.88	mg/l	yes	Alcontrol Laboratories Method: TM022, Determination of total suspended solids in waters	B.S. (British Standard)	BS EN 872	0.0021462	

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)														
Lic No: W0169-01 Year 2013														
WWT - 1	Wastewater/Sewer	Suspended Solids	discrete	28/08/2013		400mg/l	All values < ELV	2240	mg/l	yes	Alcontrol Laboratories Method: TM022, Determination of total suspended solids in waters	B.S. (British Standard)	BS EN 872	0.8176
SD - 1	Water	Suspended Solids	discrete	26/11/2013		≤25mg/l	All values < ELV	<9	mg/l	yes	Alcontrol Laboratories Method: TM022, Determination of total suspended solids in waters	B.S. (British Standard)	BS EN 872	#VALUE!
WWT - 1	Wastewater/Sewer	Suspended Solids	discrete	26/11/2013		400mg/l	All values < ELV	125	mg/l	yes	Alcontrol Laboratories Method: TM022, Determination of total suspended solids in waters	B.S. (British Standard)	BS EN 872	0.045625
SD - 1	Water	BOD	discrete	05/03/2013		≤5mg/l O2	All values < ELV	3.15	mg/l	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxygen Meter on liquids	UK SCA "Blue Book" series	Blue Book 130	0.00114975
WWT - 1	Wastewater/Sewer	BOD	discrete	05/03/2013		400mg/l	All values < ELV	252	mg/l	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxygen Meter on liquids	UK SCA "Blue Book" series	Blue Book 130	0.09198
SD - 1	Water	BOD	discrete	28/05/2013		≤5mg/l O2	All values < ELV	<1	mg/l	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxygen Meter on liquids	UK SCA "Blue Book" series	Blue Book 130	#VALUE!
WWT - 1	Wastewater/Sewer	BOD	discrete	10/06/2013		400mg/l	All values < ELV	256	mg/l	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxygen Meter on liquids	UK SCA "Blue Book" series	Blue Book 130	0.09344
SD - 1	Water	BOD	discrete	28/08/2013		≤5mg/l O2	All values < ELV	<1	mg/l	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxygen Meter on liquids	UK SCA "Blue Book" series	Blue Book 130	#VALUE!
WWT - 1	Wastewater/Sewer	BOD	discrete	28/08/2013		400mg/l	All values < ELV	120	mg/l	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxygen Meter on liquids	UK SCA "Blue Book" series	Blue Book 130	0.0438
SD - 1	Water	BOD	discrete	26/11/2013		≤5mg/l O2	All values < ELV	<1	mg/l	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxygen Meter on liquids	UK SCA "Blue Book" series	Blue Book 130	#VALUE!

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)														
Lic No: W0169-01 Year 2013														
WWT - 1	Wastewater/Sewer	BOD	discrete	26/11/2013		400mg/l	All values < ELV	280	mg/l	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxygen Meter on liquids	UK SCA "Blue Book" series	Blue Book 130	0.1022
SD - 1	Water	Ammonia (as N)	discrete	05/03/2013		0.02mg/l N	All values < ELV	4.3	mg/l	yes	Alcontrol Laboratories, TM099, Determination of Ammonium in Water Samples using Kone Analyser	B.S. (British Standard)	BS 2690: Partn 7: 1968 / BS 6068: Part2.11:1984	0.0015695
WWT - 1	Wastewater/Sewer	Ammonia (as N)	discrete	05/03/2013		100mg/l	All values < ELV	6.64	mg/l	yes	Alcontrol Laboratories, TM099 Determination of ammonium in Water Samples using the Kone Analyser	B.S. (British Standard)	BS 2690: Part7: 1968 / BS 6068: Part2.11:1984	0.0024236
SD - 1	Water	Ammonia (as N)	discrete	28/05/2013		0.02mg/l N	All values < ELV	3.53	mg/l	yes	Alcontrol Laboratories, TM099, Determination of Ammonium in Water Samples using Kone Analyser	B.S. (British Standard)	BS 2690: Part7: 1968 / BS 6068: Part2.11:1984	0.00128845
WWT - 1	Wastewater/Sewer	Ammonia (as N)	discrete	10/06/2013		100mg/l	All values < ELV	14.6	mg/l	yes	Alcontrol Laboratories, TM099, Determination of Ammonium in Water Samples using Kone Analyser	B.S. (British Standard)	BS 2690: Part 7: 1968 / BS 6068: Part2.11:1984	0.005329
SD - 1	Water	Ammonia (as N)	discrete	28/08/2013		0.02mg/l N	All values < ELV	2.91	mg/l	yes	Alcontrol Laboratories, TM099, Determination of Ammonium in Water Samples using Kone Analyser	B.S. (British Standard)	BS 2690: Part 7: 1968 / BS 6068: Part2.11:1984	0.00106215
WWT - 1	Wastewater/Sewer	Ammonia (as N)	discrete	28/08/2013		100mg/l	All values < ELV	29.1	mg/l	yes	Alcontrol Laboratories, TM099, Determination of Ammonium in Water Samples using Kone Analyser	B.S. (British Standard)	BS 2690: Part 7: 1968 / BS 6068: Part2.11:1984	0.0106215
SD - 1	water	Ammonia (as N)	discrete	26/11/2013		0.02mg/l N	All values < ELV	2.33	mg/l	yes	Alcontrol Laboratories, TM099, Determination of Ammonium in Water Samples using Kone Analyser	B.S. (British Standard)	BS 2690: Part7: 1968 / BS 6068: Part2.11:1984	0.00085045
WWT - 1	Wastewater/Sewer	Ammonia (as N)	discrete	26/11/2013		100mg/l	All values < ELV	26	mg/l	yes	Alcontrol Laboratories, TM099, Determination of Ammonium in Water Samples using Kone Analyser	B.S. (British Standard)	BS 2690: Part 7: 1968 / BS 6068: Part2.11:1984	0.00949

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)														
						Lic No:	W0169-01		Year	2013				
SD - 1	Water	COD	discrete	05/03/2013			All values < ELV	47.5	mg/l	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxogen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	0.0173375
WWT - 1	Wastewater/Sewer	COD	discrete	05/03/2013		1600mg/l	All values < ELV	43.6	mg/l	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxogen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	0.015914
SD - 1	Water	COD	discrete	28/05/2013			All values < ELV	28.9	mg/l	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxogen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	0.0105485
WWT - 1	Wastewater/Sewer	COD	discrete	10/06/2013		1600mg/l	All values < ELV	412	mg/l	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxogen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	0.15038
SD - 1	Water	COD	discrete	28/08/2013			All values < ELV	37.9	mg/l	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxogen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	0.0138335
WWT - 1	Wastewater/Sewer	COD	discrete	28/08/2013		1600mg/l	All values < ELV	846	mg/l	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxogen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	0.30879
SD - 1	Water	COD	discrete	26/11/2013			All values < ELV	22.1	mg/l	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxogen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	0.0080665
WWT - 1	Wastewater/Sewer	COD	discrete	26/11/2013		1600mg/l	All values < ELV	551	mg/l	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxogen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	0.201115
SD - 1	Water	Conductivity	discrete	05/03/2013		1000 µS/cm	All values < ELV	0.729	mS/cm	yes	Alcontrol Laboratories, TM120, Determination of Electrical Conductivity using a Conductivity Meter	B.S. (British Standard)	BS 2690: Part 9:1970	0.000266085

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)														
						Lic No:	W0169-01	Year		2013				
SD - 1	Water	Conductivity	discrete	28/05/2013		1000 µS/cm	All values < ELV	0.456	mS/cm	yes	Alcontrol Laboratories, TM120, Determination of Electrical Conductivity using a Conductivity Meter	B.S. (British Standard)	BS 2690: Part 9:1970	0.00016644
SD - 1	Water	Conductivity	discrete	28/08/2013		1000 µS/cm	All values < ELV	0.558	mS/cm	yes	Alcontrol Laboratories, TM120, Determination of Electrical Conductivity using a Conductivity Meter	B.S. (British Standard)	BS 2690: Part 9:1970	0.00020367
SD - 1	Water	Conductivity	discrete	26/11/2013		1000 µS/cm	All values < ELV	0.693	mS/cm	yes	Alcontrol Laboratories, TM120, Determination of Electrical Conductivity using a Conductivity Meter	B.S. (British Standard)	BS 2690: Part 9:1970	0.000252945
SD - 1	Water	Mineral oils	discrete	05/03/2013		5mg/l	All values < ELV	89.1	µ/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria		0.0325215
SD - 1	Water	Mineral oils	discrete	28/05/2013		5mg/l	All values < ELV	<10	µ/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria		#VALUE!
SD - 1	Water	Mineral oils	discrete	28/08/2013		5mg/l	All values < ELV	<1	µ/l	yes	Alcontrol Laboratories, TM235, Determination of Total Petroleum Hydrocarbons (TPH) in Waters By Infra-Red Spectroscopy	The Determination of Hydrocarbon Oils in Waters by Solvent Extraction, Infra red Absorption and Gravimetry 1983, HMSO, London		#VALUE!
SD - 1	Water	Mineral oils	discrete	26/11/2013		5mg/l	All values < ELV	27.7	µ/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria		0.0101105
WWT - 1	Wastewater/Sewer	Sulphate	discrete	05/03/2013		1000mg/l	All values < ELV	73.5	mg/l	yes	Alcontrol Laboratories, TM184, The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers	EPA		0.0268275
													Methods 325.1 & 325.2	
WWT - 1	Wastewater/Sewer	Sulphate	discrete	10/06/2013		1000mg/l	All values < ELV	7.9	mg/l	yes	Alcontrol Laboratories, TM184, The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers	EPA		0.0028835
													Methods 325.1 & 325.2	

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)														
						Lic No:	W0169-01	Year		2013				
WWT - 1	Wastewater/Sewer	Sulphate	discrete	28/08/2013		1000mg/l	All values < ELV	108	mg/l	yes	Alcontrol Laboratories, TM184, The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers	EPA	Methods 325.1 & 325.2	0.03942
WWT - 1	Wastewater/Sewer	Sulphate	discrete	26/11/2013		1000mg/l	All values < ELV	18	mg/l	yes	Alcontrol Laboratories, TM184, The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers	EPA	Methods 325.1 & 325.2	0.00657
WWT - 1	Wastewater/Sewer	Ortho-phosphate (as PO4)	discrete	05/03/2013		10mg/l	All values < ELV	2.34	mg/l	yes	Alcontrol Laboratories, TM184, The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers	EPA	Methods 325.1 & 325.2	0.0008541
WWT - 1	Wastewater/Sewer	Ortho-phosphate (as PO4)	discrete	10/06/2013		10mg/l	All values < ELV	7.85	mg/l	yes	Alcontrol Laboratories, TM184, The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers	EPA	Methods 325.1 & 325.2	0.00286525
WWT - 1	Wastewater/Sewer	Ortho-phosphate (as PO4)	discrete	28/08/2013		10mg/l	All values < ELV	8.66	mg/l	yes	Alcontrol Laboratories, TM184, The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers	EPA	Methods 325.1 & 325.2	0.0031609
WWT - 1	Wastewater/Sewer	Ortho-phosphate (as PO4)	discrete	26/11/2013		10mg/l	All values < ELV	0.189	mg/l	yes	Alcontrol Laboratories, TM184, The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers	EPA	Methods 325.1 & 325.2	0.000068985
WWT - 1	Wastewater/Sewer	Fats, Oils and Greases	discrete	05/03/2013		100mg/l	All values < ELV	39.5	mg/l	yes	Alcontrol Laboratories, TM235, Determination of Total Petroleum Hydrocarbons (TPH) in Waters By Infra-Red Spectroscopy	The Determination of Hydrocarbon Oils in Waters by Solvent Extraction, Infra red Absorption and Gravimetry 1983, HMSO, London		0.0144175
WWT - 1	Wastewater/Sewer	Fats, Oils and Greases	discrete	10/06/2013		100mg/l	All values < ELV	10.9	mg/l	yes	Alcontrol Laboratories, TM235, Determination of Total Petroleum Hydrocarbons (TPH) in Waters By Infra-Red Spectroscopy	The Determination of Hydrocarbon Oils in Waters by Solvent Extraction, Infra red Absorption and Gravimetry 1983, HMSO, London		0.0039785
WWT - 1	Wastewater/Sewer	Fats, Oils and Greases	discrete	28/08/2013		100mg/l	All values < ELV	149	mg/l	yes	Alcontrol Laboratories, TM235, Determination of Total Petroleum Hydrocarbons (TPH) in Waters By Infra-Red Spectroscopy	The Determination of Hydrocarbon Oils in Waters by Solvent Extraction, Infra red Absorption and Gravimetry 1983, HMSO, London		0.054385
WWT - 1	Wastewater/Sewer	Fats, Oils and Greases	discrete	26/11/2013		100mg/l	All values < ELV	11.1	mg/l	yes	Alcontrol Laboratories, TM235, Determination of Total Petroleum Hydrocarbons (TPH) in Waters By Infra-Red Spectroscopy	The Determination of Hydrocarbon Oils in Waters by Solvent Extraction, Infra red Absorption and Gravimetry 1983, HMSO, London		0.0040515

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)														
Lic No: W0169-01 Year 2013														
SD - 1	Water	pH	discrete	05/03/2013		6.0 - 9.0	No pH value shall deviate from the specified range.	7.42	ph units	yes	Alcontrol Laboratories, TM256, Determination of pH in Waters and Leachate using the GLpH pH Meter	The measurement of Electrical Conductivity and the Laboratory determination of pH Value of Natural, Treated and Wastewaters. HMSO, 1978. ISBN 011 751428 4		0.0027083
WWT - 1	Wastewater/Sewer	pH	discrete	05/03/2013		6.0 - 9.0	No pH value shall deviate from the specified range.	6.97	ph units	yes	Alcontrol Laboratories, TM256, Determination of pH in Waters and Leachate using the GLpH pH Meter	The measurement of Electrical Conductivity and the Laboratory determination of pH Value of Natural, Treated and Wastewaters. HMSO, 1978. ISBN 011 751428 4		0.00254405
SD - 1	Water	pH	discrete	28/05/2013		6.0 - 9.0	No pH value shall deviate from the specified range.	7.59	ph units	yes	Alcontrol Laboratories, TM256, Determination of pH in Waters and Leachate using the GLpH pH Meter	The measurement of Electrical Conductivity and the Laboratory determination of pH Value of Natural, Treated and Wastewaters. HMSO, 1978. ISBN 011 751428 4		0.00277035
WWT - 1	Wastewater/Sewer	pH	discrete	10/06/2013		6.0 - 9.0	No pH value shall deviate from the specified range.	7.75	ph units	yes	Alcontrol Laboratories, TM256, Determination of pH in Waters and Leachate using the GLpH pH Meter	The measurement of Electrical Conductivity and the Laboratory determination of pH Value of Natural, Treated and Wastewaters. HMSO, 1978. ISBN 011751428 4		0.00282875
SD - 1	Water	pH	discrete	28/08/2013		6.0 - 9.0	No pH value shall deviate from the specified range.	7.74	ph units	yes	Alcontrol Laboratories, TM256, Determination of pH in Waters and Leachate using the GLpH pH Meter	The measurement of Electrical Conductivity and the Laboratory determination of pH Value of Natural, Treated and Wastewaters. HMSO, 1978. ISBN 011 751428 4		0.0028251
WWT - 1	Wastewater/Sewer	pH	discrete	28/08/2013		6.0 - 9.0	No pH value shall deviate from the specified range.	7.35	ph units	yes	Alcontrol Laboratories, TM256, Determination of pH in Waters and Leachate using the GLpH pH Meter	The measurement of Electrical Conductivity and the Laboratory determination of pH Value of Natural, Treated and Wastewaters. HMSO, 1978. ISBN 011 751428 4		0.00268275
SD - 1	Water	pH	discrete	26/11/2013		6.0 - 9.0	No pH value shall deviate from the specified range.	7.34	ph units	yes	Alcontrol Laboratories, TM256, Determination of pH in Waters and Leachate using the GLpH pH Meter	The measurement of Electrical Conductivity and the Laboratory determination of pH Value of Natural, Treated and Wastewaters. HMSO, 1978. ISBN 011 751428 4		0.0026791
WWT - 1	Wastewater/Sewer	pH	discrete	26/11/2013		6.0 - 9.0	No pH value shall deviate from the specified range.	6.83	ph units	yes	Alcontrol Laboratories, TM256, Determination of pH in Waters and Leachate using the GLpH pH Meter	The measurement of Electrical Conductivity and the Laboratory determination of pH Value of Natural, Treated and Wastewaters. HMSO, 1978. ISBN 011 751428 4		0.00249295
SG - 1	Water	Suspended Solids	discrete	24/01/2014		30	All values < ELV	<2	mg/l	yes	Alcontrol Laboratories TM022, Determination of total suspended solids in water	UK SCA "Blue Book" series	Blue Book 130	#VALUE!
SG - 1	Water	BOD	discrete	24/01/2014		20	All values < ELV	<1	mg/l	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxygen Meter on liquids	UK SCA "Blue Book" series	Blue Book 130	#VALUE!
SG - 1	Water	Ammoniacal (as N)	discrete	24/01/2014		5	All values < ELV	0.771	mg/l	yes	Alcontrol Laboratories, TM099, Determination of Ammonium in Water Sampling using the Kone Analyser	B.S. (British Standard)	BS 2690: Part7: 1968 / BS 6068: Part2.11:1984	0.000281415

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SG - 1	Water	Nitrate (as N)	discrete	24/01/2014		All values < ELV	3.74	mg/l	yes	Alcontrol Laboratories, TM184, The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers	EPA	Methods 325.1 & 325.2	0.0013651
SG - 1	Water	pH	discrete	24/01/2014	6.0 - 9.0	All values < ELV	7.27	mg/l	yes	Alcontrol Laboratories, TM256, Determination of pH in Waters and Leachate using the GLpH pH Meter	The measurement of Electrical Conductivity and the Laboratory determination of pH Value of Natural, Treated and Wastewaters. HMSO, 1978. ISBN 011 751428 4		0.00265355

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

Does your site carry out continuous emissions to water/sewer monitoring?

No	Additional Information
----	------------------------

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

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

No

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

No

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

No

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

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			Comments
1	Are you required to carry out groundwater monitoring as part of your licence requirements?	yes	Please provide an interpretation of groundwater monitoring data in the interpretation box below or if you require additional space please include a groundwater/contaminated land monitoring results interpretation as an additional section in this AER
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	Do monitoring results show that groundwater generic assessment criteria such as GTVs or IGVs are exceeded or is there an upward trend in results for a substance? If yes, please complete the Groundwater Monitoring Guideline Template Report (link in cell G8) and submit separately through ALDER as a licensee return AND answer questions 5-12 below.	no	
5	Is the contamination related to operations at the facility (either current and/or historic)	N/A	
6	Have actions been taken to address contamination issues? If yes please summarise remediation strategies proposed/undertaken for the site	N/A	
7	Please specify the proposed time frame for the remediation strategy	N/A	
8	Is there a licence condition to carry out/update ELRA for the site?	yes	
9	Has any type of risk assessment been carried out for the site?	yes	
10	Has a Conceptual Site Model been developed for the site?	yes	
11	Have potential receptors been identified on and off site?	yes	
12	Is there evidence that contamination is migrating offsite?	no	

Testing of Ground Water monitoring point GW-1 is carried out Bi Annually. 2013 results are in accordance with condition 7.1 of our waste licence. Accredited Laboratory Alcontrol Laboratories completed testing. Analysis Method/Technique - "Standards Methods for the examination of Water and Wastewater"

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**	Upward trend in pollutant concentration over last 5 years of monitoring data
							SELECT			SELECT
							SELECT			SELECT

.+ where average indicates arithmetic mean

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

Table 2: Downgradient Groundwater monitoring results

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration	Average Concentration	unit	GTV's*	SELECT**	Upward trend in yearly average pollutant concentration over last 5 years of monitoring data
28/05/2013	GW - 1	Ammoniacal Nitrogen as NH3		Monitored twice a year	<0.2		mg/l			
28/05/2013	GW - 1	EPH Range >C10 - C40 (aq)		Monitored twice a year	<46		ug/l			
28/05/2013	GW - 1	EPH Band >C28 - C40 (aq)		Monitored twice a year	<10		ug/l			
28/05/2013	GW - 1	EPH Band >C10 - C28 (aq)		Monitored twice a year	<10		ug/l			

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28/08/2013	GW - 1	Ammoniacal Nitrogen as NH3		Monitored twice a year	<0.2	mg/l			SELECT
28/08/2013	GW - 1	Free Ammonia as No		Monitored twice a year	<0..2	mg/l			
28/08/2013	GW - 1	EPH Range >C10 - C40 (aq)		Monitored twice a year	<46	ug/l			
28/08/2013	GW - 1	Ph		Monitored twice a year	7.5	<1 Ph Units			SELECT

Groundwater/Soil monitoring template		Lic No:	W0169-01	Year	2013					
<p>*please note exceedance of generic assessment criteria (GAC) such as a Groundwater Threshold Value (GTV) or an Interim Guideline Value (IGV) or an upward trend in results for a substance indicates that further interpretation of monitoring results is required. In addition to completing the above table, please complete the Groundwater Monitoring Guideline Template Report at the link provided and submit separately through ALDER as a licensee return or as otherwise instructed by the EPA.</p>		Groundwater monitoring template								
<p>More information on the use of soil and groundwater standards/ generic assessment criteria (GAC) and risk assessment tools is available in the EPA published guidance (see the link in G31)</p>		Guidance on the Management of Contaminated Land and Groundwater at EPA Licensed Sites (EPA 2013).								
<p>**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)</p>		<table> <tr> <td style="text-align: center;">Surface water EQS</td> <td style="text-align: center;">Groundwater regulations GTV's</td> <td style="text-align: center;">Drinking water (private supply) standards</td> <td style="text-align: center;">Drinking water (public supply) standards</td> <td style="text-align: center;">Interim Guideline Values (IGV)</td> </tr> </table>				Surface water EQS	Groundwater regulations GTV's	Drinking water (private supply) standards	Drinking water (public supply) standards	Interim Guideline Values (IGV)
Surface water EQS	Groundwater regulations GTV's	Drinking water (private supply) standards	Drinking water (public supply) standards	Interim Guideline Values (IGV)						

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

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, please include all bunds outside the licenced testing period** (mobile bunds and chemstore included)

- 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" type units and mobile bunds)
- 4 How many bunds are on site?
- 5 How many of these bunds have been tested within the required test schedule?
- 6 How many mobile bunds are on site?
- 7 Are the mobile bunds included in the bund test schedule?
- 8 How many of these mobile bunds have been tested within the required test schedule?
- 9 How many sumps on site are included in the integrity test schedule?
- 10 How many of these sumps are integrity tested within the test schedule?
- Please list any sump integrity failures in table B1**
- 11 Do all sumps and chambers have high level liquid alarms?
- 12 If yes to Q11 are these failsafe systems included in a maintenance and testing programme?
- 13 Is the Fire Water Retention Pond included in your integrity test programme?

Yes	
3 years	
Yes	
1	
1	
0	
No	
0	
0	
0	
Yes	
Yes	
N/A	

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)
Waste Water Collection Tank	reinforced concrete		Waste Water		35,000 Ltr	Structural assessment		01/03/2014		Pass			01/04/2017	
Surface Water Interceptor Tank	reinforced concrete		Surface Water		46000 Ltr	Structural assessment		01/03/2014		Pass		SELECT	01/04/2017	
Surface Water Silt Tank	reinforced concrete		Surface Water		23000 Ltr	Structural assessment		01/03/2014		Pass			01/04/2017	
Bypass Surface Water	Glass Reinforced Polyester		Surface Water		27000 Ltr	Structural assessment		01/03/2014		Pass			01/04/2017	
Sewage Treatment Plant	prefabricated		Foul Sewer Water			Structural assessment		01/03/2014		Pass			01/04/2017	
Diesel Bund	prefabricated		Waste Water		66000 Ltr	Structural assessment		01/03/2014		Pass			01/04/2017	
D20 Waste Water Recycling System - Wash Bay	prefabricated		Waste Water		2000 m3/h	Structural assessment		01/03/2014		Pass			01/04/2017	

* 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 line with BS8007/EPA Guidance?

[bunding and storage guidelines](#)

- 15
- 16 Are channels/transfer systems to remote containment systems tested?
- 17 Are channels/transfer systems compliant in both integrity and available volume?

Yes	Test completed March 2014
Yes	Test completed March 2014
Yes	

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 and all which have not been tested within the integrity test period as specified**

- 2 Please provide integrity testing frequency period
- *please note integrity testing means water tightness testing for process and foul pipelines (as required under your licence)

Yes	
3 years	Test completed March 2014

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)
Surface Water Underground Pipes	Storm	concrete	No	SELECT	Hydraulic	Yes	Pass			01/04/2017	SELECT
Waste Water Underground Pipes	Foul	concrete	No		Hydraulic	Yes	Pass			01/04/2017	

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

Environmental Liabilities template	Lic No:	W0169-01	Year	2013
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[Click here to access EPA guidance on Environmental Liabilities and Financial provision](#)

		Commentary	
1	ELRA initial agreement status	Submitted and not agreed by EPA;	ELRA updated March 2014
2	ELRA review status	Review required and not completed;	
3	Amount of Financial Provision cover required as determined by the latest ELRA	€87.69	
4	Financial Provision for ELRA status	Submitted and not agreed by EPA;	
5	Financial Provision for ELRA - amount of cover	€87.69	
6	Financial Provision for ELRA - type	Environmental Impairment Liability insurance	
7	Financial provision for ELRA expiry date	01/02/2015	
8	Closure plan initial agreement status	Closure plan submitted and not agreed by EPA	Closure Plan updated March 2014
9	Closure plan review status	Review required and not completed	
10	Financial Provision for Closure status	Submitted and not agreed by EPA;	
11	Financial Provision for Closure - amount of cover	117.722	
12	Financial Provision for Closure - type	Parent Company Guarantee	
13	Financial provision for Closure expiry date	01/02/2015	

Environmental Management Programme/Continuous Improvement Programme template	Lic No:	W0169-01	Year	2013
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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 Submitted to the Agency 28/2/2004
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	
ISO 14001, ISO 9001 Standards Implementation	In order to improve environmental performance and provide assurance on environmental issues to external stakeholders - such as customers, the community and regulatory agencies	50	Quotations from third party consultants has been obtained.	Managing Director, Environmental Manager	Improved Environmental Management Practices	
Dust and Odour Control from Waste Transfer Buildings Upgrade	To improve existing dust and odour system at the facility and implement in new Shed 3.	80		Managing Director	Reduced emissions	
Safe Access to Sampling and monitoring points SD1, SW1 and SW2	To provide safe access to surface water monitoring points in every weather condition.	30	Monitoring points were eliminated by Agency in May 2011.	Managing Director	Improved Environmental Management Practices	
Extension of existing Shed No.1, Shed No.2, Shed No. 3	To provide an extra roofed storage at the facility and divert loadings of outgoing material	10	Proposal layout drawings prepared	Managing Director	Installation of infrastructure	
Health & Safety, HR	Improvement of Health & Safety performance on the site	80	Health & Safety specialist was contracted, all necessary training procedures were put in place	Managing Director		

Environmental Management Programme/Continuous Improvement Programme template				Lic No:	W0169-01	Year	2013
	Tank, Bund Integrity Testing	The integrity of the existing tanks to be tested as required.	100	Independent consultant was contracted to carry out bund and tank integrity testing	Managing Director, Environmental Manager	Increased compliance with licence conditions	
	ELRA Report	To update existing ELRA report according to Waste Licence requirements.	100	Third party consultant undertook the ELRA report according to waste licence requirements	Managing Director, Environmental Manager	Improved Environmental Management Practices	
	Facility Office extension	To extend existing Facility Office capacity.	100	New Facility office layout in place.	Managing Director	Installation of infrastructure	
	Waste reduction/Raw material usage efficiency	Energy Audit	10	Research in energy audit	Managing Director	Improved Environmental Management Practices	

Noise monitoring summary report Lic No: W0169-01 Year 2013

- 1 Was noise monitoring a licence requirement for the AER period?
If yes please fill in table N1 noise summary below
- 2 Was noise monitoring carried out using the EPA Guidance note, including completion of the "Checklist for noise measurement report" included in the guidance note as table 6? [Noise Guidance note NG4](#)
- 3 Does your site have a noise reduction plan
- 4 When was the noise reduction plan last updated?
- 5 Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since the last noise survey?

Table N1: Noise monitoring summary

Date of monitoring	Time period	Noise location (on site)	Noise sensitive location -NSL (if applicable)	LA _{eq}	LA ₉₀	LA ₁₀	LA _{max}	Tonal or Impulsive noise* (Y/N)	If tonal /impulsive noise was identified was 5dB penalty applied?	Comments (ex. main noise sources on site, & extraneous noise ex. road traffic)	Is <u>site</u> compliant with noise limits (day/evening/night)?
01/07/2013	11.21	N1, A		67.6	56	70.1	93.6	No	SELECT	Recycling Plant in operation. Traffic in the distance. Reversing beepers.	Yes
01/07/2013	11.51	N1, B		61.4	62.2	62.2	90.4	No		Recycling Plant in operation. Traffic in the distance. Reversing beepers.	Yes
01/07/2013	12.22	N1, C		63.4	51.3	63.7	92.6	No		Recycling Plant in operation. Traffic in the distance. Reversing beepers.	Yes
01/07/2013	13.56	N2, A		60.1	46.6	64.3	79.5	No		Noise environment dominated by passing traffic along R198.	Yes
01/07/2013	14.27	N2, B		59.5	49.4	63.5	76.2	No		Noise environment dominated by passing traffic along R198.	Yes
01/07/2013	14.58	N2, C		58.5	50.2	62.5	74.4	No		Noise environment dominated by passing traffic along R198.	Yes
01/07/2013	15.4	N3, A		55.1	34.7	45.3	61.1	No		Noise environment dominated by passing traffic along R198.	Yes
01/07/2013	16.11	N3, B		49.1	33.4	43.4	60.8	No		Noise environment dominated by passing traffic along R198.	Yes
01/07/2013	16.43	N3, C		56.3	33.8	41.9	66.3	No		Noise environment dominated by passing traffic along R198.	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?

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

Resource Usage/Energy efficiency summary

Lic No:

W0169-01

Year

2013

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

NA	
No	
SELECT	

Energy Use	Previous year	Current year	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total Energy Used (MWHrs)	355100	364100	2.53%	
Total Energy Generated (MWHrs)	NA	NA	NA	NA
Total Renewable Energy Generated (MWHrs)	NA	NA	NA	NA
Electricity Consumption (MWHrs)	355100	364100	2.53%	
Fossil Fuels Consumption:	NA	NA	NA	NA
Heavy Fuel Oil (m3)	NA	NA	NA	NA
Light Fuel Oil (m3)	NA	NA	NA	NA
Natural gas (m3)	NA	NA	NA	NA
Coal/Solid fuel (metric tonnes)	NA	NA	NA	NA
Peat (metric tonnes)	NA	NA	NA	NA
Renewable Biomass	NA	NA	NA	NA
Renewable energy generated on site	NA	NA	NA	NA

* 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		Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*	Water Emissions		Water Consumption	
	Previous year m3/yr.	Current year m3/yr.			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	2796	2830	1.22%	NA	NA	NA	NA	NA
Recycled water								
Total								

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

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

	Total	Landfill	Incineration	Recycled	Other
Hazardous (Tonnes)	0	0	0	0	0
Non-Hazardous (Tonnes)	28677.92	12974.15	6890.7	7967.09	384.13

Resource Usage/Energy efficiency summary Lic No: W0169-01 Year 2013

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					



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[Guidance to completing the PRTR workbook](#)

AER Returns Workbook

Version 1.1.17

REFERENCE YEAR	2013
-----------------------	------

1. FACILITY IDENTIFICATION

Parent Company Name	Mulleady's Limited
Facility Name	Mulleady's Ltd
PRTR Identification Number	W0169
Licence Number	W0169-01

Waste or IPPC Classes of Activity

No.	class_name
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.
3.11	Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.
3.12	Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule.
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	Cloonagh
Address 2	Drumlish
Address 3	Co Longford
Address 4	
	Longford
Country	Ireland
Coordinates of Location	-7.783576413 53.8062771
River Basin District	IEGBNISH
NACE Code	3821
Main Economic Activity	Treatment and disposal of non-hazardous waste
AER Returns Contact Name	Martina Beggan
AER Returns Contact Email Address	mbeggan@mulleadys.com
AER Returns Contact Position	Deputy Environmental Manager
AER Returns Contact Telephone Number	043 3324128
AER Returns Contact Mobile Phone Number	
AER Returns Contact Fax Number	043 3324731
Production Volume	0.0
Production Volume Units	
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	60
User Feedback/Comments	
Web Address	www.mulleadysgroup.com/waste

2. PRTR CLASS ACTIVITIES

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

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

Is it applicable?	No
Have you been granted an exemption ?	No
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) ?	Yes
--	-----

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

4.1 RELEASES TO AIR

[Link to previous years emissions data](#)

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SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

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

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

SECTION B : REMAINING PRTR POLLUTANTS

POLLUTANT		METHOD			Please enter all quantities in this section in KGs			
RELEASES TO AIR		METHOD USED			QUANTITY			
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)

POLLUTANT		METHOD			Please enter all quantities in this section in KGs			
RELEASES TO AIR		METHOD USED			QUANTITY			
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:	Mulleady's Ltd				
Please enter summary data on the quantities of methane flared and / or utilised			Method Used		
	T (Total) kg/Year	M/C/E	Method Code	Designation or Description	Facility Total Capacity m3 per hour
Total estimated methane generation (as per site model)	0.0				N/A
Methane flared	0.0				0.0 (Total Flaring Capacity)
Methane utilised in engine/s	0.0				0.0 (Total Utilising Capacity)
Net methane emission (as reported in Section A above)	0.0				N/A

4.2 RELEASES TO WATERS

[Link to previous years emissions data](#)

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SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

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

RELEASERS TO WATERS			Please enter all quantities in this section in KGs						
POLLUTANT		Method Used			QUANTITY				
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	
12	Total nitrogen	C	OTH	Calculated from test results for Ammoniacal Nitrogen (4 set of results for 2013 reporting period), annual rainfall data for Mullingar station and facility operating area.		112.44	112.44	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

RELEASERS TO WATERS			Please enter all quantities in this section in KGs						
POLLUTANT		Method Used			QUANTITY				
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)

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

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

4.3 RELEASES TO WASTEWATER OR SEWER

[Link to previous years emissions data](#)

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SECTION A : PRTR POLLUTANTS

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD			QUANTITY			
No. Annex II	Name	M/C/E	Method Code	Method Used Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
13	Total phosphorus	C	OTH	Calculated from test results for Ortho Phosphates as PO4 (4 sets of results for 2013 reporting period) and from volume of waste water collected in 2013.		2.022	0.0	0.0
12 - Total nitrogen	Total Nitrogen	C	OTH	Calculated from test results for Ammoniacal Nitrogen as PO4 (4 sets of results for 2013 reporting period) and from volume of waste water collected in 2013.		8.109	0.0	0.0

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

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

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD			QUANTITY			
Pollutant No.	Name	M/C/E	Method Code	Method Used Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
						0.0	0.0	0.0

4.4 RELEASES TO LAND

[Link to previous years emissions data](#)

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SECTION A : PRTR POLLUTANTS

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

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

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

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

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

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

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Please enter all quantities on this sheet in Tonnes

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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 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	08 01 14	No	173.08	sludges from paint or varnish other than those mentioned in 08 01 13	D5	M	Weighed	Offsite in Ireland	Drehid Waste Management Facility Bord Na Mona,W201-02	Killinagh Upper,Carbury,..Co. Kildare,Ireland		
Within the Country	10 01 01	No	946.38	bottom ash, slag and boiler dust (excluding boiler dust mentioned in 10 01 04)	D5	M	Weighed	Offsite in Ireland	Drehid Waste Management Facility Bord Na Mona,W201-02	Killinagh Upper,Carbury,..Co. Kildare,Ireland		
Within the Country	13 02 08	Yes			R8	M	Weighed	Offsite in Ireland	Enva Ireland Ltd,W0184-1	Clonminam Ind Estate,..Portlaoise,CoLaois,Ireland	Enva Ireland,W0184-1,Clonminam Industrial Estate,..Portlaoise,Co Laois,Ireland	Clonminam Industrial Estate,..Portlaoise,Co Laois,Ireland
To Other Countries	15 01 01	No		paper and cardboard packaging	R5	M	Weighed	Abroad	Cellmark Inc.,IRE/G180/12	200 Tama Plaza,Suite 200,Corte Madera,California 94925,United States		
To Other Countries	15 01 01	No		paper and cardboard packaging	R5	M	Weighed	Abroad	Recycling UK Ltd,IRE/G069/08	Unit 11 Lavaston Business Park,Middlewich,Cheshire,C W5 6PF,United Kingdom		
To Other Countries	15 01 01	No	492.12	paper and cardboard packaging	R5	M	Weighed	Abroad	Peute Papier Recycling,IRE/G006/12	Baanhoekweg 4,3313 LA,Dortrecht,A528041436,Netherlands		
Within the Country	15 01 01	No	815.48	paper and cardboard packaging	R5	M	Weighed	Offsite in Ireland	Irish Packaging and Recycling,WPR021/2	Beauparc Business Park,Navan,..Co. Meath,Ireland		
To Other Countries	15 01 02	No		plastic packaging	R5	M	Weighed	Abroad	J&A Young (Leicester) Ltd.,IRE/G058/12	Brook House,Hambleton Road,Eggleton,LE15 8AE,Ireland		
To Other Countries	15 01 04	No		metallic packaging	R4	M	Weighed	Abroad	GFSL Ltd,IRE/G219/12	96 Toff Hill,Bishop Auckland,Co. Durham,DL140JA,United Kingdom		
To Other Countries	15 01 04	No		metallic packaging	R4	M	Weighed	Abroad	Tandom Metalurgical Group Ltd,EA Permit No.: EPR-QP3634KX	Radnor Park Industrial Estate,Congleton,Cheshire,..,United Kingdom		
To Other Countries	15 01 04	No		metallic packaging	R4	M	Weighed	Abroad	Tandom Metalurgical Group Ltd,EA Permit No.: EPR-QP3634KX	Radnor Park Industrial Estate,Congleton,Cheshire,..,United Kingdom		
Within the Country	15 01 04	No	240.02	metallic packaging	R4	M	Weighed	Offsite in Ireland	Wilton Waste Recycling,Waste Permit:06/30	Ballyjamesduff,..,Co. Cavan,Ireland		
Within the Country	15 01 04	No	129.6	metallic packaging	R4	M	Weighed	Offsite in Ireland	Wilton Waste Recycling,Waste Permit:06/30	Ballyjamesduff,..,Co. Cavan,Ireland		
To Other Countries	15 01 07	No	1313.28	glass packaging	R5	M	Weighed	Abroad	Glassdon,LN/08/103	52 Creagh Road,Toomebridge,..Co. Antrim,United Kingdom		
To Other Countries	16 01 03	No	105.22	end-of-life tyres	R5	M	Weighed	Abroad	Agnail Ltd,IRE/AG/117/12	Unit 9 Rossfield,50 Rosemount Business Park,Ballycoolin,Dublin 11,Ireland		
Within the Country	16 06 01	Yes	0.42	lead batteries	R4	M	Weighed	Offsite in Ireland	Riita Environmental Ltd,EPA Licence: 192-3	Greenogue Business Park,Rathcoole,Dublin,Co. Dublin,Ireland	Riita Environmental,192-03,Riita Environmental,Block 402,Greenogue Business Park,Rathcoole,Ireland	Riita Environmental,Block 402,Greenogue Business Park,Rathcoole,Ireland
Within the Country	16 06 04	No	0.48	alkaline batteries (except 16 06 03)	R4	M	Weighed	Offsite in Ireland	KMK Metals Recycling Ltd,W0113-03	Cappincur Industrial Estate,Daingean Road,Tullamore,Co. Offally,Ireland		

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	Haz Waste : Name and Licence/Permit No of Recover/Disposer	Haz Waste : Address of Next Destination Facility	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		Non	Non Haz Waste: Address of Recover/Disposer				
Within the Country	17 04 11	No	2.68	cables other than those mentioned in 17 04 10	R4	M	Weighed	Offsite in Ireland	Wilton Waste Recycling,Waste Permit:06/30		Ballyjamesduff,....Co. Cavan,Ireland		KMK Metals Recycling Ltd,W0113-03,Cappincur Industrial Estate,Daingean Road,Tullamore,Co. Offaly,Ireland	Cappincur Industrial Estate,Daingean Road,Tullamore,Co. Offaly,Ireland
Within the Country	19 12 12	No		other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	D5	M	Weighed	Offsite in Ireland	Drehid Waste Management Facility Bord Na Mona,W201-02		Killinagh Upper,Carbury,..Co. Kildare,Ireland			
Within the Country	19 12 12	No		other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	R3	M	Weighed	Offsite in Ireland	Enrich Environmental Ltd,Permit No.: 08/0004/01		Kilcock,....Co. Meath,Ireland Unit 9 Rossfield,50 Rosemount Business Park,Ballycoolin,Dublin 11,Ireland			
To Other Countries	20 01 01	No	47.94	paper and cardboard	R5	M	Weighed	Abroad	Agnail Ltd,IRE/AG/117/12		LA,Dortrecht,A528041436,Netherlands			
To Other Countries	20 01 01	No	779.48	paper and cardboard	R5	M	Weighed	Abroad	Peute Papier Recycling,IRE/G006/12		Unit 11 Lavaston Business Park,Middlewich,Cheshire,C W5 6PF,United Kingdom			
To Other Countries	20 01 01	No		paper and cardboard	R5	M	Weighed	Abroad	Recycling UK Ltd,IRE/G069/08		200 Tamal Plaza,Suite 200,Corte Madera,California 94925,United States			
To Other Countries	20 01 01	No		paper and cardboard	R5	M	Weighed	Abroad	Cellmark Inc.,IRE/G180/12		Johnstown,Slanemore,..Mullingar,Ireland			
Within the Country	20 01 08	No	327.75	biodegradable kitchen and canteen waste	R3	M	Weighed	Offsite in Ireland	Michael Dolan,WFP--WM-2010-0005-01		Glen Abbey Complex,Belgrad Road,Tallagh,Dublin 24,Ireland			
Within the Country	20 01 11	No	9.62	textiles	R5	M	Weighed	Offsite in Ireland	Textile Recycling Ltd,WPR-014				KMK Metals Recycling Ltd,W0113-03,Cappincur Industrial Estate,Daingean Road,Tullamore,Co. Offaly,Ireland	Cappincur Industrial Estate,Daingean Road,Tullamore,Co. Offaly,Ireland
Within the Country	20 01 21	Yes	0.38	fluorescent tubes and other mercury-containing waste	R5	M	Weighed	Offsite in Ireland	KMK Metals Recycling Ltd,W0113-03					
Within the Country	20 01 36	No	117.42	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 Metals Recycling Ltd,EPA Waste Licence: W0113-03					
Within the Country	20 01 38	No	141.79	wood other than that mentioned in 20 01 37	R3	M	Weighed	Offsite in Ireland	Wilton Waste Recycling,Waste Permit:06/30		Ballyjamesduff,....Co. Cavan,Ireland Baanhoekweg 4,3313 LA,Dortrecht,A528041436,Netherlands			
To Other Countries	20 01 39	No		plastics	R5	M	Weighed	Abroad	Peute Papier Recycling,IRE/G006/12					
Within the Country	20 01 39	No		plastics	R5	M	Weighed	Offsite in Ireland	ROC Recycling Solutions Ltd (Agnail Ltd),WFP-LS-11-0001-01		Ballymacken,..Portlaoise,Co. Laois,Ireland			
Within the Country	20 01 39	No		plastics	R5	M	Weighed	Offsite in Ireland	WERS,WFP-G-09-0002-01		Weir Road,Business Park,Tuam,CO. Galway,Ireland			
To Other Countries	20 01 39	No		plastics	R5	M	Weighed	Abroad	GFSL Ltd,IRE/G219/12		96 Toft Hill,Bishop Auckland,Co. Durham,DL140JA,United Kingdom			
Within the Country	20 01 39	No	70.82	plastics	R5	M	Weighed	Offsite in Ireland	Shabra Recycling Ltd,WFP-MN-08-0022-01		Killycard Industrial Estate,Bree,Castleblaney,Co. Monaghan,Ireland			

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	Haz Waste : Name and Licence/Permit No of Recover/Disposer	Haz Waste : Address of Next Destination Facility	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		Non	Non Haz Waste: Address of Recover/Disposer	Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)		
To Other Countries	20 01 39	No	21.1	plastics	R5	M	Weighed	Abroad	Boost Recycling Ltd,IRE/G082/12		47 Swaffham Road,Burwell,Cambridge,CB250AN,United Kingdom		
Within the Country	20 01 39	No		plastics	R5	M	Weighed	Offsite in Ireland	Leinster Environmental,WP2008/06		Park,Haggardstown,Dundalk,CoLouth,Ireland		
Within the Country	20 01 40	No		metals	R4	M	Weighed	Offsite in Ireland	Erin Recyclers Ltd,Waste Permit: SO-08-93		Sligo Harbour,Sligo,Co. Sligo,Ireland		
Within the Country	20 01 40	No	131.34	metals other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R4	M	Weighed	Offsite in Ireland	Wilton Waste Recycling,Waste Permit:06/30		Ballyjamesduff,....Co. Cavan,Ireland		
Within the Country	19 12 12	No	6890.7	11	R1	M	Weighed	Offsite in Ireland	Indaver Ireland,W0167-02		Carranstown,Duleek,..CoMeath,Ireland		
Within the Country	20 03 01	No	48.5	mixed municipal waste	D5	M	Weighed	Offsite in Ireland	Greenstar Holdings Limited,W0178-02		East Galway Landfill,Killagh More,Ballybaun (E.D. Killaan),Ballintober (E.D. Killaan) Ballinasloe Co. Galway,Ireland		
Within the Country	20 03 01	No	11806.19	mixed municipal waste	D5	M	Weighed	Offsite in Ireland	Drehid Waste Management Facility Bord Na Mona,W201-02		11 Killinagh Upper,Carbury,..Co. Kildare,Ireland		
Within the Country	19 12 12	No	215.28	11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R3	M	Weighed	Offsite in Ireland	Greenstar Millenium Park,W183 - 1		Millenium Business Park,Grange,Ballycoolin,Dublin,Ireland		
Within the Country	19 12 10	No	28.44	combustible waste (refuse derived fuel)		M	Weighed		Padraig Thornton Waste Disposal Ltd,WCP-DC-09-1190		T/A Thornton Recycling ,Unit S3B Henry Road,Park West Businedd Park,Dublin 12 Co/Dublin,Ireland		
To Other Countries	15 01 01	No	238.32	paper and cardboard packaging	R5	M	Weighed	Abroad	WRC Recycling Total Waste Solution ..		WRC Recycling Floor St.,Johnstone,Renfrewshire,..,United Kingdom		
To Other Countries	20 01 01	No	2211.58	paper and cardboard	R5	M	Weighed	Abroad	WRC Recycling Total Waste Solution ..		WRC Recycling Floor St.,Johnstone,Renfrewshire,..,United Kingdom		
Within the Country	20 01 39	No	155.38	plastics	R5	M	Weighed	Offsite in Ireland	Filmco Limited,WFP-TS-10-0003-03		Ballylynch,Carrick On-Suir,Co. Tipperary,..,Ireland		
To Other Countries	20 01 39	No	99.56	plastics	R5	M	Weighed	Abroad	Asia Global Trade Ltd,IRE/G045/15		157 Highlever Road,London W10 6PH,..,United Kingdom		
To Other Countries	20 01 39	No	453.28	plastics	R5	M	Weighed	Abroad	WRC Recycling Total Waste Solution ..		WRC Recycling Floor St.,Johnstone,Renfrewshire,..,United Kingdom		
To Other Countries	20 01 39	No	170.54	plastics	R5	M	Weighed	Abroad	WRC Recycling Total Waste Solution ..		WRC Recycling Floor St.,Johnstone,Renfrewshire,..,United Kingdom		
To Other Countries	20 01 39	No	213.2	plastics	R5	M	Weighed	Abroad	Asia Global Trade Ltd,IRE/G045/15		157 Highlever Road,London W10 6PH,..,United Kingdom		
Within the Country	20 01 38	No	115.29	wood other than that mentioned in 20 01 37	R3	M	Weighed	Offsite in Ireland	Conroys Recycling Company,WFP-WH-2009-0002-01		Sonna,Mullingar ,WestMeath,..,Ireland		

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	Haz Waste : Address of Next Destination Facility	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		Haz Waste: Name and Licence/Permit No of Recoverer/Disposer	Non-Haz Waste: Address of Recoverer/Disposer		
Within the Country	16 01 20	No	102.84	glass	R5	M	Weighed	Offsite in Ireland	Gannon Eco Limited,WFP-WM-2009-0007-01	Spill Hill Quarriers,Ballinagore,Westmeath,,Ireland		
To Other Countries	17 08 02	No	26.6	gypsum-based construction materials other than those mentioned in 17 08 01	R3	M	Weighed	Abroad	Baron Recycling Limited,WML 20/25 LN/09/113/M IRE/G213/11	BRL - Plasterboard Collection & Recycling ,Unit E 81 Bellshill Road,Castledawson Magherafelt Co. Londonderry,BT45 8HG,United Kingdom		
Within the Country	17 04 01	No	0.82	copper, bronze, brass	R4	M	Weighed	Offsite in Ireland	Wilton Waste Recycling,Waste Permit:06/30	Ballyjamesduff,....Co. Cavan,Ireland		

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