

# Annual Environmental Report

Jan 2012 – Dec 2012

# 2012

**MULLEADY'S LTD**

**Waste Management**

Cloonaugh, Drumlish, Co. Longford, Eire

Tel: 043 3324128 Fax.: 043 3324731

**EPA Licence: W0169-01**

**Facility Information Summary**


AER Reporting Year	2012
Licence Register Number	W0169-01
Name of site	Mulleady's Limited
Site Location	Cloonaugh, Drumlish, County Longford
NACE Code	3811, 3821
Class/Classes of Activity	Principal 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 trommelled. 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. New installed equipment and picking station in Shed 3 allowed Mulleady's to accept and process cca 1000 tonnes more mixed dry recyclables compare to 2011 and 1900 tonnes more then in 2010. In 2012 Mulleady's produced high quality polymer separated PET and HDPE Bottles, Mixed Plastic Trays. Mulleadays accepted 25668.69 tonnes of material in reporting period 2012 of which 55% was sent to lanfill, 11% for incineration, 28% recycled and 6% stabilised. By continuous introduction of Brown Bin to commercial and household customers we diverted 272 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 Group/Facility manager (or nominated, suitably qualified and experienced deputy)	9/03/13 Date
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<b>AIR-summary template</b>	Lic No: W0169-01	Year: 2012
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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 <b>you do not have</b> licenced emissions and <b>do not complete a solvent management plan</b> (table A4 and A5) you <b>do not</b> need to complete the tables	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.
	Yes	

### 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	No
3	Was all monitoring carried out in accordance with EPA guidance note AG2 <a href="#">Basic air monitoring checklist</a> and using the basic air monitoring checklist? <span style="float: right;"><a href="#">AGN2</a></span>	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	30/04/2012 - 29/05/2012	No	350 mg/m <sup>2</sup> /day	107	mg/m <sup>2</sup> /day	yes	Dust is collected using a jam jar collector, Bergerhoff method. Determination of Dust	0.039055	
No. 1 D3	Dust	30/04/2012 - 29/05/2012	No	350 mg/m <sup>2</sup> /day	52.2	mg/m <sup>2</sup> /day	yes	Dust is collected using a jam jar collector, Bergerhoff method. Determination of Dust	0.019053	
No.1 D4	Dust	30/04/2012 - 29/05/2012	No	350 mg/m <sup>2</sup> /day	22.8	mg/m <sup>2</sup> /day	yes	Dust is collected using a jam jar collector, Bergerhoff method. Determination of Dust	0.008322	
No.2 D1	Dust	23/08/2012 - 21/09/2012	No	350 mg/m <sup>2</sup> /day	241	mg/m <sup>2</sup> /day	yes	Dust is collected using a jam jar collector, Bergerhoff method. Determination of Dust	0.087965	
No. 2 D3	Dust	23/08/2012 - 21/09/2012	No	350 mg/m <sup>2</sup> /day	65	mg/m <sup>2</sup> /day	yes	Dust is collected using a jam jar collector, Bergerhoff method. Determination of Dust	0.023725	
No. 2 D4	Dust	23/08/2012 - 21/09/2012	No	350 mg/m <sup>2</sup> /day	54.4	mg/m <sup>2</sup> /day	yes	Dust is collected using a jam jar collector, Bergerhoff method. Determination of Dust	0.019856	
No.3 D1	Dust	29/10/2012 - 27/11/2012	No	350 mg/m <sup>2</sup> /day	55	mg/m <sup>2</sup> /day	yes	Dust is collected using a jam jar collector, Bergerhoff method. Determination of Dust	0.020075	
No 3. D3	Dust	29/10/2012 - 27/11/2012	No	350 mg/m <sup>2</sup> /day	15.9	mg/m <sup>2</sup> /day	yes	Dust is collected using a jam jar collector, Bergerhoff method. Determination of Dust	0.0058035	
No 3.D4	Dust	29/10/2012 - 27/11/2012	No	350 mg/m <sup>2</sup> /day	11.1	mg/m <sup>2</sup> /day	yes	Dust is collected using a jam jar collector, Bergerhoff method. Determination of Dust	0.0040515	

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

<b>AIR-summary template</b>	Lic No: W0169-01	Year	2012
<b>Continuous Monitoring</b>			

<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 3 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 3 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 4 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					

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

<b>AIR-summary template</b>		Lic No: W0169-01	Year: 2012	
<b>Solvent use and management on site</b>				
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			No	
<b>Table A4: Solvent Management Plan Summary Total VOC Emission limit value</b>		<a href="#">Solvent regulations</a> 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 (direct and fugitive)	Total VOC emissions as %of solvent	
			Total Emission Limit Value (ELV) in licence or any revision therof	
			Compliance SELECT	
			SELECT	
<b>Table A5: Solvent Mass Balance summary</b>				
	(I) Inputs (kg)	(O) Outputs (kg)		
Solvent	(I) Inputs (kg)	Organic solvent emission in waste gases(kg)	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

**AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)** Lic No: W0169-01 Year 2012

Additional information	
1 Does your site have licensed emissions direct to surface water or direct to sewer? If yes please complete table W2 and W3 below for the current reporting year and answer further questions. If <b>you do not have</b> licensed emissions you <u>only</u> need to complete table W1 and or W2 for surface water analysis and visual inspections	In 2012 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 point 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.
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 <u>only any evidence of contamination noted during visual inspections</u>	No evidence of contamination noted.

**Table W1 Surface 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)**

3 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
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	Yes	Monitoring carried out for Monitoring point SG-1 Treated Sewage Emissions shows exceedance of WL limit for Total Ammonia, where limit is 5mg/l and monitoring result was 22.4 mg/l. New operation procedures were applied as well as more frequent desludging.

**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 thereof <sup>Note 2</sup>	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
SD1	Water	Suspended Solids	discrete	05/03/2012	SELECT	≤25 mg/l	All values < ELV	11	mg/l	yes	Alcontrol Laboratories Method: TM022, Determination of total suspended solids in waters	B.S. (British Standard)	BS EN 872	0.004015	
WWT -1	Wastewater/Sewer	Suspended Solids	discrete	05/03/2012		400 mg/l	All values < ELV	4080	mg/l	yes	Alcontrol Laboratories Method: TM022, Determination of total suspended solids in waters	B.S. (British Standard)	BS EN 872	1.4892	
SD1	Water	Suspended Solids	discrete	06/06/2012		≤25 mg/l	All values < ELV	21	mg/l	yes	Alcontrol Laboratories Method: TM022, Determination of total suspended solids in waters	B.S. (British Standard)	BS EN 872	0.007665	

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)														Lic No:	W0169-01	Year	2012
WWT -1	Wastewater/Sewer	Suspended Solids	discrete	06/06/2012		400 mg/l	All values < ELV	280	mg/l	no	Alcontrol Laboratories Method: TM022, Determination of total suspended solids in waters	B.S. (British Standard)	BS EN 872	0.1022			
SD1	Water	Suspended Solids	discrete	10/09/2012		≤25 mg/l	All values < ELV	18.5	mg/l	yes	Alcontrol Laboratories Method: TM022, Determination of total suspended solids in waters	B.S. (British Standard)	BS EN 872	0.0067525			
WWT -1	Wastewater/Sewer	Suspended Solids	discrete	10/09/2012		400 mg/l	All values < ELV	212	mg/l	no	Alcontrol Laboratories Method: TM022, Determination of total suspended solids in waters	B.S. (British Standard)	BS EN 872	0.07738			
SD1	Water	Suspended Solids	discrete	27/11/2012		≤25 mg/l	All values < ELV	12.5	mg/l	yes	Alcontrol Laboratories Method: TM022, Determination of total suspended solids in waters	B.S. (British Standard)	BS EN 872	0.0045625			
WWT -1	Wastewater/Sewer	Suspended Solids	discrete	27/11/2012		400 mg/l	All values < ELV	400	mg/l	no	Alcontrol Laboratories Method: TM022, Determination of total suspended solids in waters	B.S. (British Standard)	BS EN 872	0.146			
SD1	Water	BOD	discrete	05/03/2012		≤5 mg/l O2	All values < ELV	3.4	mg/l	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxygen Meter on liquids	UK SCA "Blue Book" series	Blue Book 130	0.001241			
WWT -1	Wastewater/Sewer	BOD	discrete	05/03/2012		400 mg/l	All values < ELV	2050	mg/l	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxygen Meter on liquids	UK SCA "Blue Book" series	Blue Book 130	0.74825			
SD1	Water	BOD	discrete	06/06/2012		≤5 mg/l O2	All values < ELV	<2	mg/l	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxygen Meter on liquids	UK SCA "Blue Book" series	Blue Book 130				
WWT -1	Wastewater/Sewer	BOD	discrete	06/06/2012		400 mg/l	All values < ELV	137	mg/l	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxygen Meter on liquids	UK SCA "Blue Book" series	Blue Book 130	0.050005			
SD1	Water	BOD	discrete	10/09/2012		≤5 mg/l O2	All values < ELV	6.02	mg/l	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxygen Meter on liquids	UK SCA "Blue Book" series	Blue Book 130	0.0021973			
WWT -1	Wastewater/Sewer	BOD	discrete	10/09/2012		400 mg/l	All values < ELV	468	mg/l	no	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxygen Meter on liquids	UK SCA "Blue Book" series	Blue Book 130	0.17082			

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)															
Lic No: W0169-01 Year 2012															
SD1	Water	BOD	discrete	27/11/2012		≤5 mg/l O2	All values < ELV	2.33	mg/l	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxygen Meter on liquids	UK SCA "Blue Book" series	Blue Book 130	0.00085045	
WWT -1	Wastewater/Sewer	BOD	discrete	27/11/2012		400 mg/l	All values < ELV	721	mg/l	no	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxygen Meter on liquids	UK SCA "Blue Book" series	Blue Book 130	0.263165	
SD1	Water	Ammoniacal Nitrogen as N	discrete	05/03/2012		0.02 mg/l N	All values < ELV	3.42	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	0.0012483	
WWT -1	Wastewater/Sewer	Ammoniacal Nitrogen as N	discrete	05/03/2012		100 mg/l	All values < ELV	60.4	mg/l	yes	Alcontrol Laboratories, TM061, Determination of Extractable Petroleum Hydrocarbons by GC-FID (C10-C40)	B.S. (British Standard)	BS 2690: PArt7: 1968 / BS 6068: Part2.11:1984	0.022046	
SD1	Water	Ammoniacal Nitrogen as N	discrete	06/06/2012		0.02 mg/l N	All values < ELV	0.587	mg/l	yes	Alcontrol Laboratories, TM061, Determination of Extractable Petroleum Hydrocarbons by GC-FID (C10-C40)	B.S. (British Standard)	BS 2690: PArt7: 1968 / BS 6068: Part2.11:1984	0.000214255	
WWT -1	Wastewater/Sewer	Ammoniacal Nitrogen as N	discrete	06/06/2012		100 mg/l	All values < ELV	6.42	mg/l	yes	Alcontrol Laboratories, TM061, Determination of Extractable Petroleum Hydrocarbons by GC-FID (C10-C40)	B.S. (British Standard)	BS 2690: PArt7: 1968 / BS 6068: Part2.11:1984	0.0023433	
SD1	Water	Ammoniacal Nitrogen as N	discrete	10/09/2012		0.02 mg/l N	All values < ELV	3.68	mg/l	yes	Alcontrol Laboratories, TM061, Determination of Extractable Petroleum Hydrocarbons by GC-FID (C10-C40)	B.S. (British Standard)	BS 2690: PArt7: 1968 / BS 6068: Part2.11:1984	0.0013432	
WWT -1	Wastewater/Sewer	Ammoniacal Nitrogen as N	discrete	10/09/2012		100 mg/l	All values < ELV	41.6	mg/l	yes	Alcontrol Laboratories, TM061, Determination of Extractable Petroleum Hydrocarbons by GC-FID (C10-C40)	B.S. (British Standard)	BS 2690: PArt7: 1968 / BS 6068: Part2.11:1984	0.015184	
SD1	Water	Ammoniacal Nitrogen as N	discrete	27/11/2012		0.02 mg/l N	All values < ELV	2.2	mg/l	yes	Alcontrol Laboratories, TM061, Determination of Extractable Petroleum Hydrocarbons by GC-FID (C10-C40)	B.S. (British Standard)	BS 2690: PArt7: 1968 / BS 6068: Part2.11:1984	0.000803	



AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)														Lic No:	W0169-01	Year	2012
WWT -1	Wastewater/Sewer	Ammoniacal Nitrogen as N	discrete	27/11/2012		100 mg/l	All values < ELV	27.1	mg/l	yes	Alcontrol Laboratories, TM061, Determination of Extractable Petroleum Hydrocarbons by GC-FID (C10-C40)	B.S. (British Standard)	BS 2690: Part7: 1968 / BS 6068: Part2.11:1984	0.0098915			
SD1	Water	COD	discrete	05/03/2012			All values < ELV	46	mg/l	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxygen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	0.01679			
WWT -1	Wastewater/Sewer	COD	discrete	05/03/2012		1600 mg/l	All values < ELV	3270	mg/l	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxygen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	1.19355			
SD1	Wa	COD	discrete	06/06/2012			All values < ELV	29.9	mg/l	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxygen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	0.0109135			
WWT -1	Wastewater/Sewer	COD	discrete	06/06/2012		1600 mg/l	All values < ELV	505	mg/l	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxygen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	0.184325			
SD1	Water	COD	discrete	10/09/2012			All values < ELV	53	mg/l	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxygen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	0.019345			
WWT -1	Wastewater/Sewer	COD	discrete	10/09/2012		1600 mg/l	All values < ELV	800	mg/l	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxygen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	0.292			
SD1	Water	COD	discrete	27/11/2012			All values < ELV	42.4	mg/l	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxygen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	0.015476			
WWT -1	Wastewater/Sewer	COD	discrete	27/11/2012		1600 mg/l	All values < ELV	1350	mg/l	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxygen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	0.49275			
SD1	Water	Conductivity	discrete	05/03/2012		1000 µS/cm	All values < ELV	0.672	mS/cm	yes	Alcontrol Laboratories, TM120, Determination of Electrical Conductivity using a Conductivity Meter	B.S. (British Standard)	BS 2690: Part 9:1970	0.00024528			

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)															
Lic No: W0169-01 Year 2012															
SD1	Water	Conductivity	discrete	06/06/2012		1003 µS/cm	All values < ELV	0.451	mS/cm	yes	Alcontrol Laboratories, TM120, Determination of Electrical Conductivity using a Conductivity Meter	B.S. (British Standard)	BS 2690: Part 9:1973	0.000164615	
SD1	Water	Conductivity	discrete	10/09/2012		1006 µS/cm	All values < ELV	0.515	mS/cm	yes	Alcontrol Laboratories, TM120, Determination of Electrical Conductivity using a Conductivity Meter	B.S. (British Standard)	BS 2690: Part 9:1976	0.000187975	
SD1	Water	Conductivity	discrete	27/11/2012		1007 µS/cm	All values < ELV	0.676	mS/cm	yes	Alcontrol Laboratories, TM120, Determination of Electrical Conductivity using a Conductivity Meter	B.S. (British Standard)	BS 2690: Part 9:1977	0.00024674	
SD1	Water	Mineral oils	discrete	05/03/2012		5 mg/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			
SD1	Water	Mineral oils	discrete	06/06/2012		5 mg/l	All values < ELV	84.1	µ/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria		0.0306965	
SD1	Water	Mineral oils	discrete	10/09/2012		11 mg/l	All values < ELV	180	µ/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria		0.0657	
SD1	Water	Mineral oils	discrete	27/11/2012		5 mg/l	All values < ELV	558	µ/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria		0.20367	
WWT -1	Wastewater/Sewer	Sulphate	discrete	05/03/2012		1000 mg/l	All values < ELV	<2	mg/l	yes	Alcontrol Laboratories, TM184, The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers	EPA	Methods 325.1 & 325.2		

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)															
Lic No: W0169-01 Year 2012															
WWT -1	Wastewater/Sewer	Sulphate	discrete	06/06/2012		1000 mg/l	All values < ELV	274	mg/l	yes	Alcontrol Laboratories, TM184, The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers	EPA	Methods 325.1 & 325.2	0.10001	
WWT -1	Wastewater/Sewer	Sulphate	discrete	10/09/2012		1000 mg/l	All values < ELV	122	mg/l	yes	Alcontrol Laboratories, TM184, The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers	EPA	Methods 325.1 & 325.2	0.04453	
WWT -1	Wastewater/Sewer	Sulphate	discrete	27/11/2012		1000 mg/l	All values < ELV	<2	mg/l	yes	Alcontrol Laboratories, TM184, The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers	EPA	Methods 325.1 & 325.2		
WWT -1	Wastewater/Sewer	Ortho-phosphate (as PO4)	discrete	05/03/2012		10 mg/l	All values < ELV	1.7	mg/l	yes	Alcontrol Laboratories, TM184, The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers	EPA	Methods 325.1 & 325.2	0.0006205	
WWT -1	Wastewater/Sewer	Ortho-phosphate (as PO4)	discrete	06/06/2012		10 mg/l	All values < ELV	0.337	mg/l	yes	Alcontrol Laboratories, TM184, The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers	EPA	Methods 325.1 & 325.2	0.000123005	
WWT -1	Wastewater/Sewer	Ortho-phosphate (as PO4)	discrete	10/09/2012		10 mg/l	All values < ELV	14.7	mg/l	yes	Alcontrol Laboratories, TM184, The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers	EPA	Methods 325.1 & 325.2	0.0053655	
WWT -1	Wastewater/Sewer	Ortho-phosphate (as PO4)	discrete	27/11/2012		10 mg/l	All values < ELV	25.9	mg/l	yes	Alcontrol Laboratories, TM184, The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers	EPA	Methods 325.1 & 325.2	0.0094535	

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)															
Lic No: W0169-01															
Year 2012															
WWT -1	Wastewater/Sewer	Fats, Oils and Greases	discrete	05/03/2012		100 mg/l	All values < ELV	1750	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		0.63875	
WWT -1	Wastewater/Sewer	Fats, Oils and Greases	discrete	06/06/2012		100 mg/l	All values < ELV	19.2	mg/l	no	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		0.007008	
WWT -1	Wastewater/Sewer	Fats, Oils and Greases	discrete	10/09/2012		100 mg/l	All values < ELV	345	mg/l	no	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		0.125925	
WWT -1	Wastewater/Sewer	Fats, Oils and Greases	discrete	27/11/2012		100 mg/l	All values < ELV	38.6	mg/l	no	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		0.014089	
SD1	Water	pH	discrete	05/03/2012		6.0 - 9.0	No pH value shall deviate from the specified range.	7.57	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		0.00276305	
WWT -1	Wastewater/Sewer	pH	discrete	05/03/2012		6.0 - 9.0	No pH value shall deviate from the specified range.	7.06	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 7		0.0025769	

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)															
						Lic No:	W0169-01	Year	2012						
SD1	Water	pH	discrete	06/06/2012		6.0 - 9.0	No pH value shall deviate from the specified range.	7.62	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 8		0.0027813	
WWT -1	Wastewater/Sewer	pH	discrete	06/06/2012		6.0 - 9.0	No pH value shall deviate from the specified range.	7.33	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 11		0.00267545	
SD1	Water	pH	discrete	10/09/2012		6.0 - 9.0	No pH value shall deviate from the specified range.	7.9	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 12		0.0028835	
WWT -1	Wastewater/Sewer	pH	discrete	10/09/2012		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 011751428 13		0.00268275	
SD1	Water	pH	discrete	27/11/2012		6.0 - 9.0	No pH value shall deviate from the specified range.	8.32	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 14		0.0030368	

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)														Lic No:	W0169-01	Year	2012
WWT -1	Wastewater/Sewer	pH	discrete	27/11/2012		6.0 - 9.0	No pH value shall deviate from the specified range.	8.13	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 15		0.00296745			
SG-1	Water	Suspended Solids	discrete	27/11/2012		30	All values < ELV	26	mg/l	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxigen Meter on liquids	UK SCA "Blue Book" series	Blue Book 130	0.00949			
SG-1	Water	BOD	discrete	27/11/2012		20	All values < ELV	28	mg/l	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxigen Meter on liquids	UK SCA "Blue Book" series	Blue Book 130	0.01022			
SG-1	Water	Ammoniacal Nitrogen as N	discrete	27/11/2012		5	All values < ELV	22.4	mg/l	no (if no please enter details in comments box)	Alcontrol Laboratories, TM061, Determination of Extractable Petroleum Hydrocarbons by GC-FID (C10-C40)	B.S. (British Standard)	BS 2690; PArt7: 1968 / BS 6068: Part2.11:1984	0.008176			
SG-1	Water	Nitrate as NO3	discrete	27/11/2012			All values < ELV	0.41	mg/l	yes	Alcontrol Laboratories, TM184, The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers	EPA	Methods 325.1 & 325.2	0.00014965			
SG-1	Water	pH	discrete	27/11/2012		6.0 - 9.0	No pH value shall deviate from the specified range.	7.97	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 011751428 15		0.00290905			

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

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

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

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

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

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

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

**Table W4: Summary of average emissions -continuous monitoring**

Emission reference no:	Emission released to	Parameter/ Substance	ELV or trigger values in licence or any revision thereof	Averaging Period	Compliance Criteria	Units of measurement	Annual Emission for current reporting year (kg)	% change +/- from previous reporting year	Monitoring Equipment downtime (hours)	Number of ELV exceedences in reporting year	Comments
	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 testing** dropdown menu click to see options
- 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**
- 1 Please provide integrity testing frequency period
  - Does the site maintain a register of bunds, underground pipelines (including stormwater and foul), Tanks, sumps and containers? (containers refers to "Chemstore" type units and mobile bunds)
  - How many bunds are on site?
  - How many of these bunds have been tested within the required test schedule?
  - How many mobile bunds are on site?
  - Are the mobile bunds included in the bund test schedule?
  - How many of these mobile bunds have been tested within the required test schedule?
  - How many sumps on site are included in the integrity test schedule?
  - 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?

Additional information	
Yes	
3 years	
Yes	
1	
1	
0	
No	
0	
0	
0	
Yes	
Yes	

**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	Storage Tank (Dim. 3.34m x 5.9 x 1.8 m deep)	Waste Water	35000 Ltr		Structural assessment		Apr-04	No	Pass	Weekly checks as per weekly Drainage System Inspections	SELECT		
Surface Water Interceptor Tank	reinforced concrete		Surface Water	46000 Ltr		Structural assessment		Apr-04	No	Pass	Weekly checks as per weekly Drainage System Inspections			
Surface Water Silt Tank	reinforced concrete		Surface Water	23000 Ltr		Structural assessment		Apr-04	No	Pass	Weekly checks as per weekly Drainage System Inspections			
Bypass Surface Water Interceptor Class 1	Glass Reinforced Polyester		Surface Water	27000 Ltr		Structural assessment		Apr-04	No	Pass	Weekly checks as per weekly Drainage System Inspections			
Sewage Treatment Plant D20 Wastewater recycling System - Wash Bay	prefabricated	BL 300 Blivet (2.2m wide, 2.2 m high)	Foul Sewer Water			Structural assessment		Apr-04	No	Pass	Weekly checks as per weekly Drainage System Inspections			
	prefabricated	Recyclone D20	Waste Water	2000 m3/h		Structural assessment		Apr-04	No	Pass	Weekly checks as per weekly Drainage System Inspections			
Diesel Tank Bund	prefabricated		Waste Water	66000 Ltr		Structural assessment		Apr-07	No	Pass	Weekly checks as per weekly Drainage System Inspections	SELECT		

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

Has integrity testing been carried out in accordance with licence requirements and are all structures tested in line with BS8007/EPA Guidance? [bunding and storage guidelines](#)

Commentary	
Yes	Last Test 2004, Weekly checks since
Yes	Last Test 2004, Weekly checks since
Yes	

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

**Pipeline/underground structure testing**

- Are you required by your licence to undertake integrity testing on underground structures e.g. pipelines or sumps etc ? if yes please fill out table 2 below listing all
- 1 underground structures and pipelines on site **which failed the integrity test**
  - 2 Please provide integrity testing frequency period

Yes	
3 years	Test done in 2004.

**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	No	Pass				SELECT
Waste Water underground pipes	Foul	concrete	No		Hydraulic	No	Pass				

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



	Comments
1 Are you required to carry out groundwater monitoring as part of your licence requirements?	yes
2 Are you required to carry out soil monitoring as part of your licence requirements?	no
3 Do you extract groundwater for use on site? If yes please specify use in comment section	no
4 Is there contaminated land and /or groundwater on site? If yes please answer q's 5-12	no
5 Is the contamination related to operations at the facility (either current and/or historic)	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

**Table 1: Upgradient Groundwater monitoring results**

Date of sampling	Sample location reference	Parameter/Substance	Methodology	Monitoring frequency	Maximum Concentration++	Average Concentration+	unit	GTV's*	SELECT**	% change in average concentration previous year +/-	Upward trend in pollutant concentration over last 5 years of monitoring data
											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**	% change in average concentration previous year +/-	Upward trend in yearly average pollutant concentration over last 5 years of monitoring data
06/06/2012	GW-1	Ammoniacal Nitrogen as N		Monitored twice a year	<0.2		mg/l				SELECT
06/06/2012	GW-1	EPH Range>C10-C40		Monitored twice a year	<46		µg/l				
06/06/2012	GW-1	EPH Band C28-C40(aq)		Monitored twice a year	<10		µg/l				
06/06/2012	GW-1	EPH Band > C10-C28 (aq)		Monitored twice a year	<10		µg/l				SELECT
10/09/2012	GW-1	Ammoniacal Nitrogen as N		Monitored twice a year	0.201		mg/l				
10/09/2012	GW-1	EPH Range>C10-C40		Monitored twice a year	<46		µg/l				
10/09/2012	GW-1	EPH Band C28-C40(aq)		Monitored twice a year	<10		µg/l				
10/09/2012	GW-1	EPH Band > C10-C28 (aq)		Monitored twice a year	<10		µg/l				

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

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

[Surface water EQS](#) [Groundwater regulations](#) [Drinking water \(private supply\) standards](#) [Drinking water \(public supply\) standards](#) [Interim Guideline Values \(IGV\)](#)

**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

[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;	ELRA, Closure Plan review planned for 2013
3	Amount of Financial Provision cover required as determined by the latest ELRA		
4	Financial Provision for ELRA status	Submitted and agreed by EPA	
5	Financial Provision for ELRA - amount of cover	Specify	
6	Financial Provision for ELRA - type	Environmental Impairment Liability cover,	
7	Financial provision for ELRA expiry date	01/07/2013	
8	Closure plan initial agreement status	Closure plan submitted and agreed by EPA	
9	Closure plan review status	Review required and not completed	
10	Financial Provision for Closure status	Required but not submitted	
11	Financial Provision for Closure - amount of cover	Specify	
12	Financial Provision for Closure - type	Public Liability Insurance with	
13	Financial provision for Closure expiry date	01/07/2013	

Environmental Management Programme/Continuous Improvement Programme template		Lic No:	W0169-01	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	Submitted to 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	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 May2011.	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 by Turmec Engineering.	Managing Director	Installation of infrastructure
Health & Safety, HR	Improvement of Health & Safety performanve on the site	80	Health & Safety specialist was contracted, all necessary training procedures were put in place	Managing Director	
Tank, Bund Integrity Testing	The integrity of the existing tanks to be tested as required.	20	Requests for Quotation submitted to potential contractors.	Environmental Manager, Managing Director	Increased compliance with licence conditions
ELRA Report update	To update existing ELRA report according to Waste Licence requirements.	50	Quotations requests submitted to third party consultants.	Environmental Manager	Improved Environmental Management Practices
Facility Office extention	To extent 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 auditors.	Managing Director	Improved Environmental Management Practices

## Noise monitoring summary report

Lic No: W0169-01

Year

2012

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

Yes

If yes please fill in table N1 noise summary below

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

[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?

No

**Table N1: Noise monitoring summary**

Date of monitoring	Time period	Noise location (on site)	Noise sensitive location -NSL (if applicable)	LA <sub>eq</sub>	LA <sub>90</sub>	LA <sub>10</sub>	LA <sub>max</sub>	Tonal or Impulsive noise* (Y/N)	If tonal /impulsive noise was identified was 5dB penalty applied?	Comments (ex. main noise sources on site, & extraneous noise ex. road traffic)	Is site compliant with noise limits (day/evening/night)?
04/09/2012	11.00 am	N1, A		70.3	50.6	62.1	92.3	No	SELECT	Recycling Plant in operation. Traffic in the distance. Reversing beepers.	Yes
04/09/2012	11.33 am	N1, B		64.6	57	66	88.4	No		Recycling Plant in operation. Traffic in the distance. Reversing beepers.	Yes
04/09/2012	12.04 am	N1, C		65.4	57.7	67.3	86.3	No		Recycling Plant in operation. Traffic in the distance. Reversing beepers.	Yes
04/09/2012	12.38 am	N2, A	NSL	57.4	46.9	64.2	82.3	No		Noise environment dominated by passing traffic along R198.	Yes
04/09/2012	13.09 am	N2, B	NSL	58.8	44.8	65.1	78.5	No		Noise environment dominated by passing traffic along R198.	Yes
04/09/2012	13.49 am	N2, C	NSL	57.6	47.3	63.8	72.9	No		Noise environment dominated by passing traffic along R198.	Yes

04/09/2012	14.29 am	N3, A	NSL	53.6	37.9	48.7	84.3	No		Noise environment dominated by occasional local traffic and by passing traffic along R198.	Yes
04/09/2012	14.59 am	N3, B	NSL	52.7	35.9	45.8	84.4	No		Noise environment dominated by occasional local traffic and by passing traffic along R198.	Yes
04/09/2012	15.32 am	N3, C	NSL	51.1	40.1	49	82.5	No		Noise environment dominated by occasional local traffic and 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?

SELECT

\*\* 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

2012

## Additional information

- 1 When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below
- Is the site a member of any accredited programmes for reducing energy usage/water conservation such as the SEAI programme linked to the right? If yes please list them in additional information
- 2 Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in additional information
- 3

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)	345800	355100	2.69%	
Total Energy Generated (MWHrs)	NA	NA	NA	NA
Total Renewable Energy Generated (MWHrs)	NA	NA	NA	NA
Electricity Consumption (MWHrs)	345800	355100	2.69%	
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 (CMN)	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 <sup>3</sup> /yr):	Volume used i.e not discharged to environment e.g. released as steam m3/yr	Unaccounted for Water:	
Groundwater								
Surface water								
Public supply	2765	2796	1.12%	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)	24136.11	13516.99	2443.12	6557.88	1618.12

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





<b>WASTE SUMMARY</b>	Lic No: W0169-01	Year: 2012
<b>SECTION A-PRTR ON SITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES</b>	<a href="#">PRTR facility login</a>	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)

Yes	
-----	--

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	
----	--

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)**

Licensed annual tonnage limit for your site (total tonnes/annum)	EWIC code	Source of waste accepted	Description of waste accepted <b>Please enter an accurate and detailed description - which European Waste Catalogue EWC codes</b>	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 -
	200301	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Mixed residual waste from household and commercial collections	15013.27	9642.65	56%	Mulleady's Ltd took gained over 4000 customers from Wallace Recycling.	NA	D13- Blending or mixing prior to submission to any of the operations numbered D1 to D12	500	
	200301	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Mixed dry recyclables from household and commercial collections	5088.37	4096.82	24%	Mulleady's Ltd took gained over 4000 customers from Wallace Recycling.	38%	R5-Recycling/reclamation or other inorganic materials which includes soil capping resulting in recovery of the soil and recycling of inorganic construction materials	300	MDR brought to the site from other Transfer Stations for picking
	200108	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Food waste from household and commercial collections	350.96	338.66	4%	Some of new customers from Wallace joined BB system.	Not applicable	D15-Storage pending any of the operations numbered D1 to D14	0	Brown Bin introduced to more town within County Longford and Westmeath
	200101	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Paper from municipal sources	0	234.48	-100%	Mulleady's lost contract with biggest printing company in Longford.	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	0	Mulleady's lost a contract with Local Printing Company
	200138	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Non packaging wood (wooden furniture).	38.75	65.46	-41%		0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	2	
	200140	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Metal coming from municipal collections.	30.708	56.304	-45%		0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	50	

WASTE SUMMARY		Lic No: W0169-01		Year: 2012					
200303	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Street cleaning residues.	74.44	111.7	-33%	0%	D15-Storage pending any of the operations numbered D1 to D14	50	
200307	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Bulky waste coming from skips.	1630.85	1707.84	-5%	0%	D13- Blending or mixing prior to submission to any of the operations numbered D1 to D12	50	
150101	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Cardboard packaging from municipal collection.	450.21	535.32	-16%	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	440	
150102	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Plastic packaging from municipal collection.	104.65	116.88	-10%	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	900	Competition in waste collection.
150103	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Wood packaging.	25.83	43.63	-41%	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	20	
150104	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Metal packaging.	20.47	37.54	-45%	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	40	
150104	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Metal packaging.	86.84	47.41	83%	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	0	
150107	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Glass packaging (bottle banks, municipal collection, Civic Amenity).	1288.02	2045.84	-37%	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	160	
200136	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Household White goods delivered by householders.	123.74	122.78	1%	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	0	
160103	16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST	Car and tractor tyres.	9.22	7.4	25%	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	360	
170201	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	C&D wood.	64.58	109.09	-41%	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	0	
170904	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Mixed C&D waste coming from construction sites.	260.6	288.65	-10%	0%	D13- Blending or mixing prior to submission to any of the operations numbered D1 to D12	130	



<b>WASTE SUMMARY</b>	Lic No:	W0169-01	Year	2012
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**Table 4 Environmental monitoring-landfill only** [Landfill Manual-Monitoring Standards](#)

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

+.+ 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
SELECT

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

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	



Environmental Protection Agency

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[Guidance to completing the PRTR workbook](#)

# AER Returns Workbook

Version 1.1.15

<b>REFERENCE YEAR</b>	2012
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## 1. FACILITY IDENTIFICATION

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

### Waste or IPPC Classes of Activity

No.	class_name
	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.
3.13	
	Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.
3.11	
	Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule.
3.12	
	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.
4.13	
	Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes).
4.2	
	Recycling or reclamation of metals and metal compounds.
4.3	
	Recycling or reclamation of other inorganic materials.
4.4	
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
<b>AER Returns Contact Name</b>	Ludmila Gabrisova
<b>AER Returns Contact Email Address</b>	Lu@mulleadays.com
<b>AER Returns Contact Position</b>	Environmental Manager
<b>AER Returns Contact Telephone Number</b>	043 3324128
<b>AER Returns Contact Mobile Phone Number</b>	
<b>AER Returns Contact Fax Number</b>	043 3324731
<b>Production Volume</b>	0.0
<b>Production Volume Units</b>	
<b>Number of Installations</b>	0
<b>Number of Operating Hours in Year</b>	0
<b>Number of Employees</b>	60
<b>User Feedback/Comments</b>	
<b>Web Address</b>	www.mulleadygroup.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			
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

\* 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			
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

\* 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			
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

\* 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	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 only concerns

RELEASES 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 2012 reporting period), annual rainfall data for Mullingar station and facility operating area.	90.39	90.39	0.0	0.0

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

**SECTION B : REMAINING PRTR POLLUTANTS**

RELEASES TO WATERS					Please enter all quantities in this section in KGs			
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)**

RELEASES 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	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 2012 reporting period) and from volume of waste water collected in 2012.		1.338	1.338	0.0	0.0
12	Total nitrogen	C	OTH	Calculated from test results for Ammoniacal Nitrogen as PO4 (4 sets of results for 2012 reporting period) and from volume of waste water collected in 2012.		4.253	4.253	0.0	0.0
06	Ammonia (NH3)	C	OTH	Calculated from test results for Total Ammonia as PO4 (4 sets of results for 2012 reporting period) and from BL300 Blivet design flow (effluent).		10.59	10.59	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	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

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

| PRTR# : W0169 | Facility Name : Mulleady's Ltd | Filename : W0169\_2012.xls | Return Year : 2012 |

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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		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 Recover/Disposer	Non Haz Waste : Address of Recover/Disposer		
To Other Countries	16 01 03	No	23.88	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	Enva Ireland,W0184-1,Cionminam Industrial Estate,,Portlaoise,Co Laois,Ireland	Cionminam Industrial Estate,,Portlaoise,Co Laois,Ireland
Within the Country	13 02 08	Yes	2.62	other engine, gear and lubricating oils	R8	M	Weighed	Offsite in Ireland	Enva Ireland Ltd,W0184-1	Clonminam Ind Estate,,Portlaoise,Co Laois,Ireland	Rilta Environmental,192-03,Rilta Environmental,Block 402,Greenogue Business Park,Rathcoole,Ireland	Rilta Environmental,Block 402,Greenogue Business Park,Rathcoole,Ireland
Within the Country	16 06 01	Yes	2.28	lead batteries	R4	M	Weighed	Offsite in Ireland	Rilta Environmental Ltd,EPA Licence: 192-3	Greenogue Business Park,Rathcoole,Dublin,Co. Dublin,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	1276.53	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	Offaly,Ireland	Cappincur Industrial Estate,Daingean Road,Tullamore,Co. Offaly,Ireland
Within the Country	16 06 04	No	0.16	alkaline batteries (except 16 06 03)	R4	M	Weighed	Offsite in Ireland	KMK Metals Recycling Ltd,W0113-03	Drehid Waste Management Facility Bord Na Killinagh Upper,Carbury,,Co. Kildare,Ireland	Offaly,Ireland	
Within the Country	10 01 01	No	331.74	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	Wilton Waste Recycling,Waste Permit:06/30	Ballyjamesduff,,Co. Cavan,Ireland	
Within the Country	17 04 11	No	8.02	cables other than those mentioned in 17 04 10	R4	M	Weighed	Offsite in Ireland		200 Tama Plaza,Suite 200,Corte Madera,California 94925,United States		
To Other Countries	15 01 01	No	749.04	paper and cardboard packaging	R5	M	Weighed	Abroad	Cellmark Inc.,IRE/G180/12	Unit 11 Lavaston Business Park,Middlewich,Cheshire,C W5 6PF,United Kingdom		
To Other Countries	15 01 01	No	123.96	paper and cardboard packaging	R5	M	Weighed	Abroad	Recycling UK Ltd,IRE/G069/08	Baanhoekweg 4,3313 LA,Dortrecht,A528041436,Netherlands		
To Other Countries	15 01 01	No	170.1	paper and cardboard packaging	R5	M	Weighed	Abroad	Peute Papier Recycling,IRE/G006/12	Beauparc Business Park,Navan,,Co. Meath,Ireland		
Within the Country	15 01 01	No	301.36	paper and cardboard packaging	R5	M	Weighed	Offsite in Ireland	Irish Packaging and Recycling,WPR021/2	96 Toft Hill,Bishop Auckland,Co. Durham,DL140JA,United Kingdom		
To Other Countries	15 01 04	No	26.74	metallic packaging	R4	M	Weighed	Abroad	GFSL Ltd,IRE/G219/12	Tandom Metalurgical Group Ltd,EA Permit No.: EPR-QP3634KX	Radnor Park Industrial Estate,Congleton,Cheshire,, United Kingdom	
To Other Countries	15 01 04	No	26.98	metallic packaging	R4	M	Weighed	Abroad	Drehid Waste Management Facility Bord Na Mona,W201-02	Killinagh Upper,Carbury,,Co. Kildare,Ireland		
Within the Country	08 01 14	No	120.8	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	20 03 01	No	2443.12	mixed municipal waste	D10	M	Weighed	Offsite in Ireland	Indaver Ireland,W0167-02	Carranstown,Duleek,,CoMeath,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	Non	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 Recover/Disposer	Non Haz Waste: Address of Recover/Disposer			
Within the Country	20 03 01	No	1976.59	mixed municipal waste other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	D5	M	Weighed	Offsite in Ireland	Greenstar Holdings Limited,WO178-02		East Galway Landfill,Killagh More,Ballybaun (E.D. Killaan),Ballintober (E.D. Killaan) Ballinasloe Co. Galway,Ireland		
Within the Country	19 12 12	No	1239.4	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	1161.12	paper and cardboard	R5	M	Weighed	Abroad	Agnail Ltd,IRE/AG/117/12		Baanhoekweg 4,3313 LA,Dortrecht,A528041436,Netherlands		
To Other Countries	20 01 01	No	94.56	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	632.48	paper and cardboard	R5	M	Weighed	Abroad	Recycling UK Ltd,IRE/G069/08		52 Creagh Road,Toomebridge,Co. Antrim,United Kingdom		
To Other Countries	15 01 07	No	1299.72	glass packaging	R5	M	Weighed	Abroad	Glassdon,LN/08/103		Johnstown,Slanemore, Mullingar,Ireland		
Within the Country	20 01 08	No	272.18	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	12.92	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	0.26	fluorescent tubes and other mercury-containing waste	R5	M	Weighed	Offsite in Ireland	KMK Metals Recycling Ltd,W0113-03		Cappincur Industrial Estate,Daingean Road,Tullamore,Co. Offaly,Ireland		
Within the Country	20 01 36	No	123.74	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		Cappincur Industrial Estate,Daingean Road,Tullamore,Co. Offaly,Ireland		
Within the Country	20 01 38	No	389.5	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		
To Other Countries	20 01 01	No	433.1	paper and cardboard	R5	M	Weighed	Abroad	Cellmark Inc.,IRE/G180/12		200 Corte Madera,California 94925,United States		
To Other Countries	20 01 39	No	63.42	plastics	R5	M	Weighed	Abroad	J&A Young,IRE/G058/12		Brook House,Hambleton Road,Eggleton,LE15 8AE,Ireland		
To Other Countries	20 01 39	No	116.76	plastics	R5	M	Weighed	Abroad	Peute Papier Recycling,IRE/G006/12		Baanhoekweg 4,3313 LA,Dortrecht,A528041436,Netherlands		
Within the Country	20 01 39	No	11.76	plastics	R5	M	Weighed	Offsite in Ireland	Agnail Ltd,IRE/AG/117/12		Unit 9 Rossfield,50 Rosemount Business Park,Ballycoolin,Dublin 11,Ireland		
Within the Country	20 01 39	No	99.74	plastics	R5	M	Weighed	Offsite in Ireland	WERS,WFP-G-09-0002-01		Weir Road,Business Park,Tuam,CO. Galway,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	Non	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		Haz Waste : Name and Licence/Permit No of Recover/Disposer	Non	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)	
To Other Countries	20 01 39	No	54.54	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	111.22	plastics	R5	M	Weighed	Offsite in Ireland	Shabra Recycling Ltd,WFP-MN-08-0022-01			Estate,Bree,Castleblaney,Co. Monaghan,Ireland			
To Other Countries	20 01 39	No	23.44	plastics	R5	M	Weighed	Abroad	Boost Recycling Ltd,IRE/G082/12			Road,Burwell,Cambridge,CB250AN,United Kingdom			
Within the Country	20 01 39	No	21.36	plastics	R5	M	Weighed	Offsite in Ireland	Leinster Environmental,WP2008/06			Park,Haggardstown,Dundalk,CoLouth,Ireland			
Within the Country	20 01 40	No	80.78	metals	R4	M	Weighed	Offsite in Ireland	Erin Recyclers Ltd,Waste Permit: SO-08-93			Deepwater Quay,Finisklin Sligo Harbour,Sligo,Co. Sligo,Ireland			
Within the Country	20 01 40	No	80.42	metals	R4	M	Weighed	Offsite in Ireland	Wilton Waste Recycling,Waste Permit:06/30			Ballyjamesduff,....Co. Cavan,Ireland			
To Other Countries	15 01 04	No	19.24	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	20 03 01	No	9811.33	mixed municipal waste	D5	M	Weighed	Offsite in Ireland	Drehid Waste Management Facility Bord Na Mona,W201-02			Killinagh Upper,Carbury,....Co. Kildare,Ireland			
Within the Country	15 01 04	No	210.34	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	82.32	metallic packaging	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

[Link to previous years waste data](#)

[Link to previous years waste summary data & percentage change](#)