

Annual Environmental Report

Jan 2016 – Dec 2016

2016



W0197-02

**Unit 16-17 Mullingar Business Park
Mullingar
Co. Westmeath**

Facility Information Summary

AER Reporting Year	2016
Licence Register Number	W0197-02
Name of site	Mulleadys Limited Mullingar
Site Location	Unit 16 - 17 Mullingar Business Park Mullingar Co. Westmeath
NACE Code	3811, 3821
Class/Classes of Activity	Principal Class of Activity 3.13
National Grid Reference (6E, 6 N)	E242474.54, N252230.72

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.**

Mulleadys Ltd Mullingar, formally known as Wallaces is licenced to accept 50.000 tonnes of waste per annum. Mulleadys acquired Wallaces facility in Febraury 2014. This 1 arce site is located in an industrial area of Mullingar Business Park Co. Westmeath. Activities onsite are limited to bulking the waste and transferring it offsite to landfill, incineration and recycling outlets. No processing of waste takes place onsite as the trommel and picking station has been dismantled. Civic amenity is still available to facilitate the public.

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	31/03/2017 Date
Group/Facility manager (or nominated, suitably qualified and experienced deputy)	

AIR-summary template Lic No: W0197-02 Year 2016

Answer all questions and complete all tables where relevant

Additional information

1 Does your site have licensed air emissions? If yes please complete table A1 and A2 below for the current reporting year and answer further questions. If **you do not have** licenced emissions and **do not complete a solvent management plan** (table A4 and A5) you **do not need** to complete the tables

Yes
During the reporting period Four 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

No

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

Yes

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	01/02/2016 - 29/02/2016	No	350mg/m2/day	33.7	mg/m2/day	yes	Dust is collected using a jam jar collector, Bergerhoff method. Determination of Dust	0.0123005	
No. 1 D2	Dust	01/02/2016 - 29/02/2016	No	350mg/m2/day	52.7	mg/m2/day	yes	Dust is collected using a jam jar collector, Bergerhoff method. Determination of Dust	0.0192355	
No. 1 D3	Dust	01/02/2016 - 29/02/2016	No	350mg/m2/day	82.8	mg/m2/day	yes	Dust is collected using a jam jar collector, Bergerhoff method. Determination of Dust	0.030222	
No.2 D1	Dust	27/04/2016 - 26/05/2016	No	350mg/m2/day	93.3	mg/m2/day	yes	Dust is collected using a jam jar collector, Bergerhoff method. Determination of Dust	0.0340545	
No.2 D2	Dust	27/04/2016 - 26/05/2016	No	350mg/m2/day	64.3	mg/m2/day	yes	Dust is collected using a jam jar collector, Bergerhoff method. Determination of Dust	0.0234695	
No.2 D3	Dust	27/04/2016 - 26/05/2016	No	350mg/m2/day	51	mg/m2/day	yes	Dust is collected using a jam jar collector, Bergerhoff method. Determination of Dust	0.018615	
No. 3 D1	Dust	27/07/2016 - 25/08/2016	No	350mg/m2/day	31.4	mg/m2/day	yes	Dust is collected using a jam jar collector, Bergerhoff method. Determination of Dust	0.011461	

AIR-summary template		Lic No:		W0197-02		Year		2016	
No. 3 D2	Dust	27/07/2016 - 25/08/2016	No	350mg/m ² /day	37.4	mg/m ² /day	yes	Dust is collected using a jam jar collector, Bergerhoff method. Determination of Dust	0.013651
No. 3 D3	Dust	27/07/2016 - 25/08/2016	No	350mg/m ² /day	0.985	mg/m ² /day	yes	Dust is collected using a jam jar collector, Bergerhoff method. Determination of Dust	0.000359525
No 4. D1	Dust	01/11/2016 - 30/11/2016	No	350mg/m ² /day	26.6	mg/m ² /day	yes	Dust is collected using a jam jar collector, Bergerhoff method. Determination of Dust	0.009709
No 4. D2	Dust	01/11/2016 - 30/11/2016	No	350mg/m ² /day	1.48	mg/m ² /day	yes	Dust is collected using a jam jar collector, Bergerhoff method. Determination of Dust	0.0005402
No 4. D3	Dust	01/11/2016 - 30/11/2016	No	350mg/m ² /day	4.43	mg/m ² /day	yes	Dust is collected using a jam jar collector, Bergerhoff method. Determination of Dust	0.00161695

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

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Continuous Monitoring		

4	Does your site carry out continuous air emissions monitoring? 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)	No	
5	Did continuous monitoring equipment experience downtime? If yes please record downtime in table A2 below	No	
6	Do you have a proactive service agreement for each piece of continuous monitoring equipment?	No	
7	Did your site experience any abatement system bypasses? If yes please detail them in table A3 below	No	

Table A2: Summary of average emissions -continuous monitoring

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

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

Table A3: Abatement system bypass reporting table

[Bypass protocol](#)

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

* this should include all dates that an abatement system bypass occurred

** an accurate record of time bypass beginning and end should be logged on site and maintained for future Agency inspections please refer to bypass protocol link

AIR-summary template		Lic No:	W0197-02	Year	2016			
Solvent use and management on site								
8 Do you have a total Emission Limit Value of direct and fugitive emissions on site? if yes please fill out tables A4 and A5				No				
Table A4: Solvent Management Plan Summary Total VOC Emission limit value			Solvent regulations Please refer to linked solvent regulations to complete table 5 and 6					
Reporting year	Total solvent input on site (kg)	Total VOC emissions to Air from entire site (direct and fugitive)	Total VOC emissions as %of solvent input	Total Emission Limit Value (ELV) in licence or any revision therof	Compliance			
					SELECT			
					SELECT			
Table A5: Solvent Mass Balance summary								
	(I) Inputs (kg)	(O) Outputs (kg)						
Solvent	(I) Inputs (kg)	Organic solvent emission in waste gases(kg)	Solvents lost in water (kg)	Collected waste solvent (kg)	Fugitive Organic Solvent (kg)	Solvent released in other ways e.g. by-	Solvents destroyed onsite through	Total emission of Solvent to air (kg)
								Total

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER) Lic No: W0197-02 Year: 2016

<p>1 Does your site have licensed emissions direct to surface water or direct to sewer? If yes please complete table W2 and W3 below for the current reporting year and answer further questions. If you do not have licensed emissions you <u>only</u> need to complete table W1 and or W2 for storm water analysis and visual inspections</p> <p>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></p>	<p style="text-align: center;">Additional information</p> <p>In 2016 monitoring of surface water was undertaken as well as monitoring of the foul water , FW1 & FW2. Mulleadys continued to monitor surface water on a quarterly basis as per the licence requirements and visual inspections on a daily basis.</p>
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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)

<p>3 Was there any result in breach of licence requirements? If yes please provide brief details in the comment section of Table W3 below</p> <p>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</p>	<p style="text-align: center;">Additional information</p>
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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 ^{where 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
SW-1	Water	Suspended Solids	discrete	08/03/2016	SELECT	50 mg/l	All values < ELV	<2	mg/L	yes	Alcontrol Laboratories Method: TM022, Determination of total suspended solids in waters	B.S. (British Standard)	BS EN 872		
SW-1	Water	Suspended Solids	discrete	28/04/2016		50 mg/l	All values < ELV	4	mg/L	yes	Alcontrol Laboratories Method: TM022, Determination of total suspended solids in waters	B.S. (British Standard)	BS EN 872	0.00146	
SW-1	Water	Suspended Solids	discrete	04/08/2016		50 mg/l	All values < ELV	<2	mg/L	yes	Alcontrol Laboratories Method: TM022, Determination of total suspended solids in waters	B.S. (British Standard)	BS EN 872		
SW-1	Water	Suspended Solids	discrete	30/11/2016		50 mg/l	All values < ELV	<2	mg/L	yes	Alcontrol Laboratories Method: TM022, Determination of total suspended solids in waters	B.S. (British Standard)	BS EN 872		
SW-1	Water	BOD	discrete	08/03/2016		100 mg/l	All values < ELV	2.38	mg/L	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxigen Meter on liquids	UK SCA "Blue Book" series	Blue Book 130	0.0008687	
SW-1	Water	BOD	discrete	28/04/2016		100 mg/l	All values < ELV	<1	mg/L	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxigen Meter on liquids	UK SCA "Blue Book" series	Blue Book 130		

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)														
					Lic No:	W0197-02	Year:			2016				
SW-1	Water	BOD	discrete	04/08/2016		100 mg/l	All values < ELV	<1	mg/L	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxigen Meter on liquids	UK SCA "Blue Book" series	Blue Book 130	
SW-1	Water	BOD	discrete	30/11/2016		100 mg/l	All values < ELV	<1	mg/L	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxigen Meter on liquids	UK SCA "Blue Book" series	Blue Book 130	
SW-1	Water	Ammoniacal Nitrogen (as N)	discrete	08/03/2016			All values < ELV	0.405	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	0.000147825
SW-1	Water	Ammoniacal Nitrogen (as N)	discrete	28/04/2016			All values < ELV	0.625	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	0.000228125
SW-1	Water	Ammoniacal Nitrogen (as N)	discrete	04/08/2016			All values < ELV	0.406	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	0.00014819
SW-1	Water	Ammoniacal Nitrogen (as N)	discrete	30/11/2016			All values < ELV	0.176	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	0.00006424
SW-1	Water	COD	discrete	08/03/2016		250 mg/l	All values < ELV	14	mg/L	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxygen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	0.00511
SW-1	Water	COD	discrete	28/04/2016		250 mg/l	All values < ELV	10.1	mg/L	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxygen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	0.0036865
SW-1	Water	COD	discrete	04/08/2016		250 mg/l	All values < ELV	14.4	mg/L	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxygen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	0.005256
SW-1	Water	COD	discrete	30/11/2016		250 mg/l	All values < ELV	10.3	mg/L	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxygen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	0.0037595
SW-1	Water	Conductivity	discrete	08/03/2016			All values < ELV	0.341	mS/cm	yes	Alcontrol Laboratories, TM120, Determination of Electrical Conductivity using a Conductivity Meter	B.S. (British Standard)	BS 2690: Part 9:1970	0.000124465
SW-1	Water	Conductivity	discrete	28/04/2016			All values < ELV	0.503	mS/cm	yes	Alcontrol Laboratories, TM120, Determination of Electrical Conductivity using a Conductivity Meter	B.S. (British Standard)	BS 2690: Part 9:1970	0.000183595
SW-1	Water	Conductivity	discrete	04/08/2016			All values < ELV	0.385	mS/cm	yes	Alcontrol Laboratories, TM120, Determination of Electrical Conductivity using a Conductivity Meter	B.S. (British Standard)	BS 2690: Part 9:1970	0.000140525
SW-1	Water	Conductivity	discrete	30/11/2016			All values < ELV	0.376	mS/cm	yes	Alcontrol Laboratories, TM120, Determination of Electrical Conductivity using a Conductivity Meter	B.S. (British Standard)	BS 2690: Part 9:1970	0.00013724
SW-1	Water	Mineral Oils	discrete	08/03/2016			All values < ELV	<1	µ/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria		
SW-1	Water	Mineral Oils	discrete	28/04/2016			All values < ELV	<1	µ/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria		

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)					Lic No:	W0197-02	Year:	2016						
SW-1	Water	Mineral Oils	discrete	04/08/2016			All values < ELV	<10	µ/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria		
SW-1	Water	Mineral Oils	discrete	30/11/2016			All values < ELV	<10	µ/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria		
SW-1	Water	ph	discrete	08/03/2016		6-8	All values < ELV	7.39	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		0.00269735
SW-1	Water	ph	discrete	28/04/2016		6-8	All values < ELV	7.63	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		0.00278495
SW-1	Water	ph	discrete	04/08/2016		6-8	All values < ELV	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 011 751428 4		0.0027813
SW-1	Water	ph	discrete	30/11/2016		6-8	All values < ELV	7.72	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		0.0028178
SW-1	Water	EPH Range >C10-C40 (aq)	discrete	08/03/2016			All values < ELV	64.2	µg/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria		0.023433
SW-1	Water	EPH Range >C10-C40 (aq)	discrete	28/04/2016			All values < ELV	<46	µg/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria		
SW-1	Water	EPH Range >C10-C40 (aq)	discrete	04/08/2016			All values < ELV	<40	µg/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria		
SW-1	Water	EPH Range >C10-C40 (aq)	discrete	30/11/2016			All values < ELV	<46	µg/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria		
SW-1	Water	EPH Range >C10-C12 (aq)	discrete	08/03/2016			All values < ELV	<10	µg/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria		

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)					Lic No:	W0197-02	Year:	2016							
SW-1	Water	EPH Range >C10-C12 (aq)	discrete	28/04/2016			All values < ELV	<10	µg/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria			
SW-1	Water	EPH Range >C10-C12 (aq)	discrete	04/08/2016			All values < ELV	<10	µg/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria			
SW-1	Water	EPH Range >C10-C12 (aq)	discrete	30/11/2016			All values < ELV	<10	µg/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria			
SW-1	Water	TPH/Oil & Greases	discrete	08/03/2016			All values < ELV	<1	mg/L	yes	Alcontrol Laboratories, TM235, Determination of Total Petroleum Hydrocarbons (TPH) in Water by Infra-Red Spectroscopy	The Determination of Hydrocarbon Oils in Water by Solvent Extraction, Infra red Absorption and Gravimetry 1983, HMSO, London			
SW-1	Water	TPH/Oil & Greases	discrete	28/04/2016			All values < ELV	<1	mg/L	yes	Alcontrol Laboratories, TM235, Determination of Total Petroleum Hydrocarbons (TPH) in Water by Infra-Red Spectroscopy	The Determination of Hydrocarbon Oils in Water by Solvent Extraction, Infra red Absorption and Gravimetry 1983, HMSO, London			
SW-1	Water	TPH/Oil & Greases	discrete	04/08/2016			All values < ELV	<1	mg/L	yes	Alcontrol Laboratories, TM235, Determination of Total Petroleum Hydrocarbons (TPH) in Water by Infra-Red Spectroscopy	The Determination of Hydrocarbon Oils in Water by Solvent Extraction, Infra red Absorption and Gravimetry 1983, HMSO, London			
SW-1	Water	TPH/Oil & Greases	discrete	30/11/2016			All values < ELV	<1	mg/L	yes	Alcontrol Laboratories, TM235, Determination of Total Petroleum Hydrocarbons (TPH) in Water by Infra-Red Spectroscopy	The Determination of Hydrocarbon Oils in Water by Solvent Extraction, Infra red Absorption and Gravimetry 1983, HMSO, London			
FW-1	Water	Suspended Solids	discrete	08/03/2016	SELECT	50 mg/l	All values < ELV	<2	mg/L	yes	Alcontrol Laboratories Method: TM022, Determination of total suspended solids in waters	B.S. (British Standard)	BS EN 872		
FW-1	Water	Suspended Solids	discrete	28/04/2016		50 mg/l	All values < ELV	25	mg/L	yes	Alcontrol Laboratories Method: TM022, Determination of total suspended solids in waters	B.S. (British Standard)	BS EN 872	0.009125	
FW-1	Water	Suspended Solids	discrete	04/08/2016		50 mg/l	All values < ELV	8	mg/L	yes	Alcontrol Laboratories Method: TM022, Determination of total suspended solids in waters	B.S. (British Standard)	BS EN 872	0.00292	
FW-1	Water	Suspended Solids	discrete	30/11/2016		50 mg/l	All values < ELV	<2	mg/L	yes	Alcontrol Laboratories Method: TM022, Determination of total suspended solids in waters	B.S. (British Standard)	BS EN 872		
FW-1	Water	BOD	discrete	08/03/2016		100 mg/l	All values < ELV	2.54	mg/L	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxygen Meter on liquids	UK SCA "Blue Book" series	Blue Book 130	0.0009271	

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)														
Lic No: W0197-02 Year: 2016														
FW-1	Water	BOD	discrete	28/04/2016		100 mg/l	All values < ELV	52.2	mg/L	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxygen Meter on liquids	UK SCA "Blue Book" series	Blue Book 130	0.019053
FW-1	Water	BOD	discrete	04/08/2016		100 mg/l	All values < ELV	8.92	mg/L	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxygen Meter on liquids	UK SCA "Blue Book" series	Blue Book 130	0.0032558
FW-1	Water	BOD	discrete	30/11/2016		100 mg/l	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	
FW-1	Water	Ammoniacal Nitrogen (as N)	discrete	08/03/2016			All values < ELV	0.761	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	0.00027765
FW-1	Water	Ammoniacal Nitrogen (as N)	discrete	28/04/2016			All values < ELV	3.97	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	0.00144905
FW-1	Water	Ammoniacal Nitrogen (as N)	discrete	04/08/2016			All values < ELV	0.999	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	0.000364635
FW-1	Water	Ammoniacal Nitrogen (as N)	discrete	30/11/2016			All values < ELV	0.395	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	0.000144175
FW-1	Water	COD	discrete	08/03/2016		250 mg/l	All values < ELV	15.3	mg/L	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxygen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	0.0055845
FW-1	Water	COD	discrete	28/04/2016		250 mg/l	All values < ELV	63.5	mg/L	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxygen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	0.0231775
FW-1	Water	COD	discrete	04/08/2016		250 mg/l	All values < ELV	116	mg/L	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxygen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	0.04234
FW-1	Water	COD	discrete	30/11/2016		250 mg/l	All values < ELV	13.2	mg/L	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxygen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	0.004818
FW-1	Water	Conductivity	discrete	08/03/2016			All values < ELV	0.37	mS/cm	yes	Alcontrol Laboratories, TM120, Determination of Electrical Conductivity using a Conductivity Meter	B.S. (British Standard)	BS 2690: Part 9:1970	0.00013505
FW-1	Water	Conductivity	discrete	28/04/2016			All values < ELV	0.363	mS/cm	yes	Alcontrol Laboratories, TM120, Determination of Electrical Conductivity using a Conductivity Meter	B.S. (British Standard)	BS 2690: Part 9:1970	0.000132495
FW-1	Water	Conductivity	discrete	04/08/2016			All values < ELV	0.339	mS/cm	yes	Alcontrol Laboratories, TM120, Determination of Electrical Conductivity using a Conductivity Meter	B.S. (British Standard)	BS 2690: Part 9:1970	0.000123735
FW-1	Water	Conductivity	discrete	30/11/2016			All values < ELV	0.406	mS/cm	yes	Alcontrol Laboratories, TM120, Determination of Electrical Conductivity using a Conductivity Meter	B.S. (British Standard)	BS 2690: Part 9:1970	0.00014819
FW-1	Water	Mineral Oils	discrete	08/03/2016			All values < ELV	<1	µl	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria		

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)					Lic No:	W0197-02	Year:	2016							
FW-1	Water	Mineral Oils	discrete	28/04/2016			All values < ELV	<1	µ/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria			
FW-1	Water	Mineral Oils	discrete	04/08/2016			All values < ELV	<10	µ/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria			
FW-1	Water	Mineral Oils	discrete	30/11/2016			All values < ELV	<10	µ/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria			
FW-1	Water	ph	discrete	08/03/2016		6-8	All values < ELV	7.38	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		0.0026937	
FW-1	Water	ph	discrete	28/04/2016		6-8	All values < ELV	7.5	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		0.0027375	
FW-1	Water	ph	discrete	04/08/2016		6-8	All values < ELV	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	
FW-1	Water	ph	discrete	30/11/2016		6-8	All values < ELV	7.72	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		0.0028178	
FW-1	Water	EPH Range >C10-C40 (aq)	discrete	08/03/2016		2mg/l	All values < ELV	132	µg/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria		0.04818	
FW-1	Water	EPH Range >C10-C40 (aq)	discrete	28/04/2016		2mg/l	All values < ELV	147	µg/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria		0.053655	
FW-1	Water	EPH Range >C10-C40 (aq)	discrete	04/08/2016		2mg/l	All values < ELV	<46	µg/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria			
FW-1	Water	EPH Range >C10-C40 (aq)	discrete	30/11/2016		2mg/l	All values < ELV	<46	µg/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria			

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)					Lic No:	W0197-02	Year	2016							
FW-1	Water	EPH Range >C10-C12 (aq)	discrete	08/03/2016		2mg/l	All values < ELV	<10	µg/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria			
FW-1	Water	EPH Range >C10-C12 (aq)	discrete	28/04/2016		2mg/l	All values < ELV	<10	µg/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria			
FW-1	Water	EPH Range >C10-C12 (aq)	discrete	04/08/2016		2mg/l	All values < ELV	<10	µg/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria			
FW-1	Water	EPH Range >C10-C12 (aq)	discrete	30/11/2016		2mg/l	All values < ELV	<10	µg/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria			
FW-1	Water	TPH/Oil & Greases	discrete	08/03/2016		10	All values < ELV	<1	mg/L	yes	Alcontrol Laboratories, TM235, Determination of Total Petroleum Hydrocarbons (TPH) in Water by Infra-Red Spectroscopy	The Determination of Hydrocarbon Oils in Water by Solvent Extraction, Infra red Absorption and Gravimetry 1983, HMSO, London			
FW-1	Water	TPH/Oil & Greases	discrete	28/04/2016		10	All values < ELV	<1	mg/L	yes	Alcontrol Laboratories, TM235, Determination of Total Petroleum Hydrocarbons (TPH) in Water by Infra-Red Spectroscopy	The Determination of Hydrocarbon Oils in Water by Solvent Extraction, Infra red Absorption and Gravimetry 1983, HMSO, London			
FW-1	Water	TPH/Oil & Greases	discrete	04/08/2016		10	All values < ELV	<1	mg/L	yes	Alcontrol Laboratories, TM235, Determination of Total Petroleum Hydrocarbons (TPH) in Water by Infra-Red Spectroscopy	The Determination of Hydrocarbon Oils in Water by Solvent Extraction, Infra red Absorption and Gravimetry 1983, HMSO, London			
FW-1	Water	TPH/Oil & Greases	discrete	30/11/2016		10	All values < ELV	<1	mg/L	yes	Alcontrol Laboratories, TM235, Determination of Total Petroleum Hydrocarbons (TPH) in Water by Infra-Red Spectroscopy	The Determination of Hydrocarbon Oils in Water by Solvent Extraction, Infra red Absorption and Gravimetry 1983, HMSO, London			
FW-2	Water	Suspended Solids	discrete	08/03/2016	SELECT	50 mg/l	All values < ELV	2.5	mg/L	yes	Alcontrol Laboratories Method: TM022, Determination of total suspended solids in waters	B.S. (British Standard)	BS EN 872		0.0009125
FW-2	Water	Suspended Solids	discrete	28/04/2016		50 mg/l	All values < ELV	3	mg/L	yes	Alcontrol Laboratories Method: TM022, Determination of total suspended solids in waters	B.S. (British Standard)	BS EN 872		0.001095
FW-2	Water	Suspended Solids	discrete	04/08/2016		50 mg/l	All values < ELV	3.5	mg/L	yes	Alcontrol Laboratories Method: TM022, Determination of total suspended solids in waters	B.S. (British Standard)	BS EN 872		
FW-2	Water	Suspended Solids	discrete	30/11/2016		50 mg/l	All values < ELV	<2	mg/L	yes	Alcontrol Laboratories Method: TM022, Determination of total suspended solids in waters	B.S. (British Standard)	BS EN 872		

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)										Lic No:	W0197-02	Year	2016	
FW-2	Water	BOD	discrete	08/03/2016		100 mg/l	All values < ELV	3.3	mg/L	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxigen Meter on liquids	UK SCA "Blue Book" series	Blue Book 130	0.0012045
FW-2	Water	BOD	discrete	28/04/2016		100 mg/l	All values < ELV	2.27	mg/L	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxigen Meter on liquids	UK SCA "Blue Book" series	Blue Book 130	0.00082855
FW-2	Water	BOD	discrete	04/08/2016		100 mg/l	All values < ELV	5.65	mg/L	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxigen Meter on liquids	UK SCA "Blue Book" series	Blue Book 130	0.00206225
FW-2	Water	BOD	discrete	30/11/2016		100 mg/l	All values < ELV	<1	mg/L	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxigen Meter on liquids	UK SCA "Blue Book" series	Blue Book 130	
FW-2	Water	Ammoniacal Nitrogen (as N)	discrete	08/03/2016			All values < ELV	1.07	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: Pa	0.00039055
FW-2	Water	Ammoniacal Nitrogen (as N)	discrete	28/04/2016			All values < ELV	1.55	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	0.00056575
FW-2	Water	Ammoniacal Nitrogen (as N)	discrete	04/08/2016			All values < ELV	1.11	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	0.00040515
FW-2	Water	Ammoniacal Nitrogen (as N)	discrete	30/11/2016			All values < ELV	0.205	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	0.000074825
FW-2	Water	COD	discrete	08/03/2016		250 mg/l	All values < ELV	17.2	mg/L	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxygen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	0.006278
FW-2	Water	COD	discrete	28/04/2016		250 mg/l	All values < ELV	14.9	mg/L	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxygen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	0.0054385
FW-2	Water	COD	discrete	04/08/2016		250 mg/l	All values < ELV	21.8	mg/L	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxygen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	0.007957
FW-2	Water	COD	discrete	30/11/2016		250 mg/l	All values < ELV	13.9	mg/L	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxygen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	0.0050735
FW-2	Water	Conductivity	discrete	08/03/2016			All values < ELV	0.385	mS/cm	yes	Alcontrol Laboratories, TM120, Determination of Electrical Conductivity using a Conductivity Meter	B.S. (British Standard)	BS 2690: Part 9:1970	0.000140525
FW-2	Water	Conductivity	discrete	28/04/2016			All values < ELV	0.29	mS/cm	yes	Alcontrol Laboratories, TM120, Determination of Electrical Conductivity using a Conductivity Meter	B.S. (British Standard)	BS 2690: Part 9:1970	0.00010585
FW-2	Water	Conductivity	discrete	04/08/2016			All values < ELV	0.336	mS/cm	yes	Alcontrol Laboratories, TM120, Determination of Electrical Conductivity using a Conductivity Meter	B.S. (British Standard)	BS 2690: Part 9:1970	0.00012264
FW-2	Water	Conductivity	discrete	30/11/2016			All values < ELV	0.429	mS/cm	yes	Alcontrol Laboratories, TM120, Determination of Electrical Conductivity using a Conductivity Meter	B.S. (British Standard)	BS 2690: Part 9:1970	0.000156585

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)					Lic No:	W0197-02	Year	2016							
FW-2	Water	Mineral Oils	discrete	08/03/2016			All values < ELV	<1	µ/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria			
FW-2	Water	Mineral Oils	discrete	28/04/2016			All values < ELV	<1	µ/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria			
FW-2	Water	Mineral Oils	discrete	04/08/2016			All values < ELV	<10	µ/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria			
FW-2	Water	Mineral Oils	discrete	30/11/2016			All values < ELV	<10	µ/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria			
FW-2	Water	ph	discrete	08/03/2016		6-8	All values < ELV	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 011 751428 4		0.00267545	
FW-2	Water	ph	discrete	28/04/2016		6-8	All values < ELV	7.64	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		0.0027886	
FW-2	Water	ph	discrete	04/08/2016		6-8	All values < ELV	7.36	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		0.0026864	
FW-2	Water	ph	discrete	30/11/2016		6-8	All values < ELV	7.87	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		0.00287255	
FW-2	Water	EPH Range >C10-C40 (aq)	discrete	08/03/2016		2mg/l	All values < ELV	115	µg/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria		0.041975	
FW-2	Water	EPH Range >C10-C40 (aq)	discrete	28/04/2016		2mg/l	All values < ELV	125	µg/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria		0.045625	
FW-2	Water	EPH Range >C10-C40 (aq)	discrete	04/08/2016		2mg/l	All values < ELV	<46	µg/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria			

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)					Lic No:	W0197-02	Year:	2016							
FW-2	Water	EPH Range >C10-C40 (aq)	discrete	30/11/2016		2mg/l	All values < ELV	<46	µg/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria			
FW-2	Water	EPH Range >C10-C12 (aq)	discrete	08/03/2016		2mg/l	All values < ELV	<10	µg/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria			
FW-2	Water	EPH Range >C10-C12 (aq)	discrete	28/04/2016		2mg/l	All values < ELV	<10	µg/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria			
FW-2	Water	EPH Range >C10-C12 (aq)	discrete	04/08/2016		2mg/l	All values < ELV	<10	µg/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria			
FW-2	Water	EPH Range >C10-C12 (aq)	discrete	30/11/2016		2mg/l	All values < ELV	<10	µg/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria			
FW-2	Water	TPH/Oil & Greases	discrete	08/03/2016		10mg/l	All values < ELV	<1	mg/L	yes	Alcontrol Laboratories, TM235, Determination of Total Petroleum Hydrocarbons (TPH) in Water by Infra-Red Spectroscopy	The Determination of Hydrocarbon Oils in Water by Solvent Extraction, Infra red Absorption and Gravimetry 1983, HMSO, London			
FW-2	Water	TPH/Oil & Greases	discrete	28/04/2016		10mg/l	All values < ELV	<1	mg/L	yes	Alcontrol Laboratories, TM235, Determination of Total Petroleum Hydrocarbons (TPH) in Water by Infra-Red Spectroscopy	The Determination of Hydrocarbon Oils in Water by Solvent Extraction, Infra red Absorption and Gravimetry 1983, HMSO, London			
FW-2	Water	TPH/Oil & Greases	discrete	04/08/2016		10mg/l	All values < ELV	<1	mg/L	yes	Alcontrol Laboratories, TM235, Determination of Total Petroleum Hydrocarbons (TPH) in Water by Infra-Red Spectroscopy	The Determination of Hydrocarbon Oils in Water by Solvent Extraction, Infra red Absorption and Gravimetry 1983, HMSO, London			
FW-2	Water	TPH/Oil & Greases	discrete	30/11/2016		10mg/l	All values < ELV	<1	mg/L	yes	Alcontrol Laboratories, TM235, Determination of Total Petroleum Hydrocarbons (TPH) in Water by Infra-Red Spectroscopy	The Determination of Hydrocarbon Oils in Water by Solvent Extraction, Infra red Absorption and Gravimetry 1983, HMSO, London			

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

No	
----	--

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

No	
----	--

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

No	
----	--

8 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

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 Please provide integrity testing frequency period
- 2 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)
- 3 How many bunds are on site?
- 4 How many of these bunds have been tested within the required test schedule?
- 5 How many mobile bunds are on site?
- 6 Are the mobile bunds included in the bund test schedule?
- 7 How many of these mobile bunds have been tested within the required test schedule?
- 8 How many sumps on site are included in the integrity test schedule?
- 9 How many of these sumps are integrity tested within the test schedule?
- 10 **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	
0	
N/A	
0	
N/A	
N/A	
N/A	
N/A	
No	
N/A	
N/A	There is no fire retention pond onsite

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)
Petrol Interceptor (Entrance)	reinforced concrete		Waste Water	10.000m3		SELECT	CCTV	02/05/2014	Yes	Pass		SELECT	2017	
Oil Interceptor	reinforced concrete		Waste Water	10.000m3			CCTV	02/05/2014	Yes	Pass			2017	
Petrol Interceptor	reinforced concrete		Waste Water	10.000m3			CCTV	02/05/2014	Yes	Pass			2017	
Petrol Interceptor (Manual shut off valve)	reinforced concrete		Waste Water	10.000m3		SELECT	CCTV	02/05/2014	Yes	Pass		SELECT	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?

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

Yes	
Yes	
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 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	

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)
Mh1 (D/S) Interceptor 1	Storm	Polyvinyl Chloride (PVC)	SELECT	SELECT	CCTV	Yes	Pass			2017	SELECT
Mh1 (U/S) Gully 5	Storm	Polyvinyl Chloride (PVC)			CCTV	Yes	Pass			2017	
Mh3 (D/S) Interceptor 3	Storm	Polyvinyl Chloride (PVC)			CCTV	Yes	Pass			2017	
Mh3 (U/S) new mh2	Storm	Polyvinyl Chloride (PVC)			CCTV	Yes	Pass			2017	
New mh2 (U/S) Interceptor 2	Storm	Polyvinyl Chloride (PVC)			CCTV	Yes	Pass			2017	
Gully 7 (U/S) gully 6	Storm	Polyvinyl Chloride (PVC)			CCTV	Yes	Pass			2017	
mh5 (D/S) Interceptor 2	Storm	Polyvinyl Chloride (PVC)			CCTV	Yes	Pass			2017	
mh5 (U/S) rw pipe	Storm	Polyvinyl Chloride (PVC)			CCTV	Yes	Pass			2017	
sw1 (U/S) rw2	Storm	Polyvinyl Chloride (PVC)			CCTV	Yes	Pass			2017	
sw1 (D/S) sw valve	Storm	Polyvinyl Chloride (PVC)			CCTV	Yes	Pass			2017	

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	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 Site investigation took place in 2013 to determine if Wallaces former site activities, depollution of End of Life Vehicles, caused contamination to soil or groundwater. No contamination was found and the report was sent to the Agency. Ground Water monitoring points included GW2 GW3 GW4. Feb 4th 2015 the Agency suggested biannual monitoring of ground water.
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. Groundwater monitoring template.	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**	Upward trend in pollutant concentration over last 5 years of monitoring data
28/04/2016	BH1	Ammoniacal Nitrogen Low as NH3	Pumped Grab Sample	Bi-annually	0.0391		mg/l	65 - 175µg/l N		
28/04/2016	BH2	Ammoniacal Nitrogen Low as NH4	Pumped Grab Sample	Bi-annually	0.0145		mg/l	65 - 175µg/l N		
28/04/2016	BH4	Ammoniacal Nitrogen Low as NH5	Pumped Grab Sample	Bi-annually	0.052		mg/l	65 - 175µg/l N		
28/04/2016	BH1	EPH Range > C10-C12(aq)	Pumped Grab Sample	Bi-annually	<10		µg/l			
28/04/2016	BH2	EPH Range > C10-C12(aq)	Pumped Grab Sample	Bi-annually	<10		µg/l			
28/04/2016	BH4	EPH Range > C10-C12(aq)	Pumped Grab Sample	Bi-annually	<10		µg/l			
28/04/2016	BH1	Electrical Conductivity	Pumped Grab Sample	Bi-annually	0.674		S/cm	800 - 1875 µs/cm		
28/04/2016	BH2	Electrical Conductivity	Pumped Grab Sample	Bi-annually	682		S/cm	800 - 1875 µs/cm		

Groundwater/Soil monitoring template				Lic No:	W0197-02	Year	2016		
28/04/2016	BH4	Electrical Conductivity	Pumped Grab Sample	Bi-annually	0.697		S/cm	800 - 1875 µs/cm	
28/04/2016	BH1	Ph	Sample	Bi-annually	7.6		ph units		
28/04/2016	BH2	Ph	Pumped Grab Sample	Bi-annually	7.28		ph units		
28/04/2016	BH4	Ph	Pumped Grab Sample	Bi-annually	7.75		ph units		
28/04/2016	BH1	Nitrate	Pumped Grab Sample	Bi-annually	12.6		mg/l	37.5mg/l NO ₃	
28/04/2016	BH2	Nitrate	Pumped Grab Sample	Bi-annually	12.6		mg/l	37.5mg/l NO ₃	
28/04/2016	BH4	Nitrate	Pumped Grab Sample	Bi-annually	13.5		mg/l	37.5mg/l NO ₃	
28/04/2016	BH1	Total Dissolved Solids	Pumped Grab Sample	Bi-annually	589		mg/l		
28/04/2016	BH2	Total Dissolved Solids	Pumped Grab Sample	Bi-annually	585		mg/l		
28/04/2016	BH4	Total Dissolved Solids	Pumped Grab Sample	Bi-annually	590		mg/l		
28/04/2016	BH1	Sulphate	Pumped Grab Sample	Bi-annually	40.3		mg/l	187.5mg/l SO ₄	
28/04/2016	BH2	Sulphate	Pumped Grab Sample	Bi-annually	40.1		mg/l	187.5mg/l SO ₄	
28/04/2016	BH4	Sulphate	Pumped Grab Sample	Bi-annually	40.1		mg/l	187.5mg/l SO ₄	
04/08/2016	BH1	Ammoniacal Nitrogen Low as NH ₃	Pumped Grab Sample	Bi-annually	0.0521		mg/l	65 - 175µg/l N	
04/08/2016	BH2	Ammoniacal Nitrogen Low as NH ₄	Pumped Grab Sample	Bi-annually	0.0794		mg/l	65 - 175µg/l N	
04/08/2016	BH4	Ammoniacal Nitrogen Low as NH ₅	Pumped Grab Sample	Bi-annually	0.0706		mg/l	65 - 175µg/l N	
04/08/2016	BH1	EPH Range > C10-C12(aq)	Pumped Grab Sample	Bi-annually	<10		µg/l		
04/08/2016	BH2	EPH Range > C10-C12(aq)	Pumped Grab Sample	Bi-annually	<10		µg/l		
04/08/2016	BH4	EPH Range > C10-C12(aq)	Pumped Grab Sample	Bi-annually	<10		µg/l		
04/08/2016	BH1	Electrical Conductivity	Pumped Grab Sample	Bi-annually	0.36		S/cm	800 - 1875 µs/cm	
04/08/2016	BH2	Electrical Conductivity	Pumped Grab Sample	Bi-annually	0.352		S/cm	800 - 1875 µs/cm	
04/08/2016	BH4	Electrical Conductivity	Pumped Grab Sample	Bi-annually	0.36		S/cm	800 - 1875 µs/cm	
04/08/2016	BH1	Ph	Pumped Grab Sample	Bi-annually	8.41		ph units		
04/08/2016	BH2	Ph	Pumped Grab Sample	Bi-annually	8.51		ph units		
04/08/2016	BH4	Ph	Pumped Grab Sample	Bi-annually	7.43		ph units		
04/08/2016	BH1	Nitrate	Pumped Grab Sample	Bi-annually	<0.3		mg/l	37.5mg/l NO ₃	
04/08/2016	BH2	Nitrate	Pumped Grab Sample	Bi-annually	<0.3		mg/l	37.5mg/l NO ₃	
04/08/2016	BH4	Nitrate	Pumped Grab Sample	Bi-annually	<0.3		mg/l	37.5mg/l NO ₃	

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04/08/2016	BH1	Total Dissolved Solids	Pumped Grab Sample	Bi-annually	213		mg/l			
04/08/2016	BH2	Total Dissolved Solids	Pumped Grab Sample	Bi-annually	217		mg/l			
04/08/2016	BH4	Total Dissolved Solids	Pumped Grab Sample	Bi-annually	215		mg/l			
04/08/2016	BH1	Sulphate	Pumped Grab Sample	Bi-annually	<2		mg/l	187.5mg/l SO4		
04/08/2016	BH2	Sulphate	Pumped Grab Sample	Bi-annually	<2		mg/l	187.5mg/l SO4		
04/08/2016	BH4	Sulphate	Pumped Grab Sample	Bi-annually	<2		mg/l	187.5mg/l SO4		

.+ 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
							SELECT			SELECT
							SELECT			SELECT

*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. [Groundwater monitoring template](#)

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) [Guidance on the Management of Contaminated Land and Groundwater at EPA Licensed Sites \(EPA 2013\)](#).

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

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;	
3	Amount of Financial Provision cover required as determined by the latest ELRA	€25,000.00	
4	Financial Provision for ELRA status	Submitted and agreed by EPA	
5	Financial Provision for ELRA - amount of cover	€25,000.00	
6	Financial Provision for ELRA - type	bond	
7	Financial provision for ELRA expiry date		
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	Submitted and agreed by EPA	
11	Financial Provision for Closure - amount of cover	€63,750	
12	Financial Provision for Closure - type	bond	
13	Financial provision for Closure expiry date	Enter expiry date	

Environmental Management Programme/Continuous Improvement Programme template		Lic No:	W0197-02	Year	2016
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	No	Mulleadys acquired the facility in February 2014. Mulleadys started preparing the EMS in late 2016 and it is expected to be finished by mid 2017 to reflect and cover all processes carried out on site according to the Licence requirements and latest Licence technical amendment.		
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
Environmental Management Programme	Develop an Environmental Management Programme for the site outlining environmental procedures and performances	50%	EMS is half completed.	Environmental Manager Managing Director	Improved Environmental Management Practices and Increased compliance with licence conditions
New facility Offices	Purchase new Cabin office.	0		Managing Director	Installation of infrastructure
Signage	Monitoring points clearly visable. Civic amenity signs visible to the the public for proper segregation of recyclable materials.	100%	Orginal signage has been replaced. Signage required for Civic Amenity in the furture will be introduced.	Managing Director	Increased compliance with licence conditions
Refurbishment of the facility	Upgrade/repairs to waste transfer building and yard.	100%	Concrete hardstand introduced at the entrance of the facility to the weighbridge. Dismantled and removed old buildings not in use. Repaired and replaced roof sheetings. Three new electric roller shutters were installed to the recycling shed. Removed large steel gates at the site entrance and replaced them with a fully automatic electric gate. Installed large precast concrete blocks along east site boundary	Managing Director	Installation of infrastructure
Additional Facility Improvements	Construction of new boundary wall on the south side of the facility	20%	Carrying out other repairs to the facility, new boundary wall to be constructed. New boundary wall project agreed with neighbouring commercial premises.	Managing Director	Installation of infrastructure
Pest control	Eliminate any pest on the site	100%	Canor pest control in charge of pest control	Managing Director	Increased compliance with licence conditions

Environmental Management Programme/Continuous Improvement Programme template				Lic No:	W0197-02	Year	2016
Fire Safety	Improvements of Health and Safety onsite	100%	Installed a complete new electrical and fire alarm circuit onsite. Fire alarm installation includes a control panel, co detectors, DF3000 flame detector, input/output units, manual call points and sounders.	Managing Director	Installation of infrastructure		
CCTV	Increasing higher security and monitoring to the facility	100%	CCTV in place with external monitoring station	Managing Director	Improved Environmental Management Practices		

Noise monitoring summary report

Lic No: W0197-02 Year

2016

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

If yes please fill in table N1 noise summary below

Yes

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

[Noise
Guidance
note NG4](#)

Yes

3 Does your site have a noise reduction plan

No

4 When was the noise reduction plan last updated?

Enter date

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 _{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)?
01/09/2016	15:48	N1		60.2	45.7	62.7	82.8	No	No audible tonal or impulsive component in the noise at any of the monitoring points	Noise level was attributed to the processing plant within the transfer station and traffic movement at the site entrance.	Yes
01/09/2016	16:18	N1		64.7	48.1	67.6	93.8	No	No audible tonal or impulsive component in the noise at any of the monitoring points	Noise level was attributed to the processing plant within the transfer station and traffic movement at the site entrance.	Yes
01/09/2016	16:48	N1		60.2	44.9	60.8	90.7	No	No audible tonal or impulsive component in the noise at any of the monitoring points	Noise level was attributed to the processing plant within the transfer station and traffic movement at the site entrance.	Yes
01/09/2016	23:00	N1		42.2	39.4	44	56.3	No	No audible tonal or impulsive component in the noise at any of the monitoring points	Noise level was attributed to the traffic movement at the site entrance.	Yes
01/09/2016	23:30	N1		45.6	40.3	48.9	59.4	No	No audible tonal or impulsive component in the noise at any of the monitoring points	Noise level was attributed to the traffic movement at the site entrance.	Yes
01/09/2016	14:30	N2	NSL	50.5	42.9	71.9	81	No	No audible tonal or impulsive component in the noise at any of the monitoring points	This noise level was attributed to the large volumes of traffic on the road.	Yes
01/09/2016	15:00	N2	NSL	52.3	43.6	72	82	No	No audible tonal or impulsive component in the noise at any of the monitoring points	This noise level was attributed to the large volumes of traffic on the road.	Yes
01/09/2016	15:30	N2	NSL	60.7	42	71.2	86	No	No audible tonal or impulsive component in the noise at any of the monitoring points	This noise level was attributed to the large volumes of traffic on the road.	Yes
01/09/2016	00:30	N2	NSL	40.5	36.2	41.6	51.1	No	No audible tonal or impulsive component in the noise at any of the monitoring points	This noise level was attributed to the large volumes of traffic on the road.	Yes

01/09/2016	01:00	N2	NSL	38.8	37.4	41.5	56.6	No	No audible tonal or impulsive component in the noise at any of the monitoring points	This noise level was attributed to the large volumes of traffic on the road.	Yes
01/09/2016	14:20	N3		62.5	42.9	53.2	55.6	No	No audible tonal or impulsive component in the noise at any of the monitoring points	This noise level was attributed to the processing plant within the transfer station and external equipment.	Yes
01/09/2016	14:50	N3		61.6	43.6	56	54.6	No	No audible tonal or impulsive component in the noise at any of the monitoring points	This noise level was attributed to the processing plant within the transfer station and external equipment.	Yes
01/09/2016	15:20	N3		59.7	42	60.8	53.9	No	No audible tonal or impulsive component in the noise at any of the monitoring points	This noise level was attributed to the processing plant within the transfer station and external equipment.	Yes
01/09/2016	02:00	N3		39.3	36.2	43.1	36.2	No	No audible tonal or impulsive component in the noise at any of the monitoring points	This noise level was attributed to the processing plant within the transfer station and external equipment.	Yes
01/09/2016	02:30	N3		39.1	37.4	40.8	35.8	No	No audible tonal or impulsive component in the noise at any of the monitoring points	This noise level was attributed to the processing plant within the transfer station and external equipment.	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:

W0197-02

Year

2016

		Additional information
1	When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below	N/A
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	No
3	Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in additional information	N/A

Energy Use	Previous year	Current year	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total Energy Used (MWHrs)	14.1	15.3	0.085106383	
Total Energy Generated (MWHrs)	N/A	N/A	N/A	
Total Renewable Energy Generated (MWHrs)	N/A	N/A	N/A	
Electricity Consumption (MWHrs)	14.1	15.3	0.085106383	
Fossil Fuels Consumption:	N/A	N/A	N/A	N/A
Heavy Fuel Oil (m3)	N/A	N/A	N/A	N/A
Light Fuel Oil (m3)	N/A	N/A	N/A	N/A
Natural gas (m3)	N/A	N/A	N/A	N/A
Coal/Solid fuel (metric tonnes)	N/A	N/A	N/A	N/A
Peat (metric tonnes)	N/A	N/A	N/A	N/A
Renewable Biomass	N/A	N/A	N/A	N/A
Renewable energy generated on site	N/A	N/A	N/A	N/A

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

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

Water use	Water extracted Previous year m3/yr.	Water extracted Current year m3/yr.	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*	Water Emissions	Water Consumption	Unaccounted for Water:
					Volume Discharged back to environment(m ³ /yr):	Volume used i.e not discharged to environment e.g. released as steam m3/yr	
Groundwater							
Surface water							
Public supply	142	152	0.070422535	N/A	N/A	N/A	N/A
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)					
Non-Hazardous (Tonnes)	11391	5630.98	2733.86	2593.82	432.34

Resource Usage/Energy efficiency summary Lic No: W0197-02 Year 2016

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

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

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

Complaints and Incidents summary template Lic No: W0197-02 Year 2016

Complaints		Additional information
Have you received any environmental complaints in the current reporting year? If yes please complete summary details of complaints received on site in table 1 below		EPA obtained Complaint from anonymous complainant 01/11/16.
Yes		

Date	Category	Other type (please specify)	Brief description of complaint (Free txt <20 words)	Corrective action< 20 words	Resolution status	Resolution date	Further information
01/11/2016	SELECT	Complainant reported to EPA that Mulleady's Ltd are mixing general waste and recycling together before sending to landfill or incineration.		Mulleady's Ltd explain in the letter addressed to EPA that general waste and recyclables are being collected separately and that all recyclables is transferred over to Mulleady's Ltd Transfer Station in Drumlish, Co. Longford for sorting.	Complete	07/11/2016	
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		
Total complaints open at start of reporting year							
Total new complaints received during reporting year							
Total complaints closed during reporting year							
Balance of complaints end of reporting year							

Incidents		Additional information
Have any incidents occurred on site in the current reporting year? Please list all incidents for current reporting year in Table 2 below		No

*For information on how to report and what constitutes an incident [What is an incident](#)

Date of occurrence	Incident nature	Location of occurrence	Incident category* please refer to guidance	Receptor	Cause of incident	Other cause(please specify)	Activity in progress at time of incident	Communication	Occurrence	Corrective action<20 words	Preventative action <20 words	Resolution status	Resolution date	Likelihood of reoccurrence
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT

Complaints and Incidents summary template		Lic No:	W0197-02	Year	2016
Total number of incidents current year					
Total number of incidents previous year					
% reduction/increase					

WASTE SUMMARY		Lic No:	WD197-02	Year	2016
SECTION A-PRTR ON SITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES			PRTR facility logon	dropdown list click to see options	

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

Additional Information

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

If yes please enter details in table 1 below

Yes	
-----	--

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

No	
----	--

3 Was waste accepted onto your site that was generated outside the Republic of Ireland? If yes please state the quantity in tonnes in additional information

No	
----	--

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

Licensed annual tonnage limit for your site (total tonnes/annum)	EWC code	Source of waste accepted	Description of waste accepted Please enter an accurate and detailed description - which applies to relevant EWC code European Waste Catalogue EWC codes	Quantity of waste accepted in current reporting year (tonnes)	Quantity of waste accepted in previous reporting year (tonnes)	Reduction/ Increase over previous year +/- %	Reason for reduction/ increase from previous reporting year	Packaging Content (%) only applies if the waste has a packaging component	Disposal/Recovery or treatment operation carried out at your site and the description of this operation	Quantity of waste remaining on site at the end of reporting year (tonnes)	Comments
	17 01 01	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	C&D Concrete	160.52	58.52	174%	Increased demand from customers. All C&D waste was collected from the site by Liam Ward Permitted Haulier and transported to his EPA approved permitted facility.	0%	D13- Blending or mixing prior to submission to any of the operations numbered D1 to D12	0	
	15 01 01	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Cardboard	207.62	126.92	64%	Mullingar Recycling Resource Centre Ltd started to bring in Cardboard from their commercial customers around Mullingar town in 2015. Also Mullingar CA site was closed at the beginning of December so public was bringing all cardboard to Mulleady site.	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	0	
	20 01 39	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Hard Plastic	0.84	3.18	-74%	Decrease in customers bringing in separated hard plastic.	33%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	20 03 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Mixed Municipal Waste (Household Black Bin Waste)	6396.98	4691.64	36%	Oxigen started bringing in more household black bin waste.	0%	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 Municipal Waste (Civic Amenity)	1260.357	1086.32	16%	Increase in customers using the Civic Amenity centre due to a closure of Mullingar Civic Amenity Centre.	0%	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 (Household Blue Bins)	928.5	1130.6	-18%	Oxigen bringing in less recyclables using the capacity with their black bin waste.	38%	R5-Recycling/reclamation or other inorganic materials which includes soil celaning resulting in recovery of the soil and recycling of inorganic construction materials		

WASTE SUMMARY		Lic No:		W0197-02		Year		2016	
	20 03 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Mixed Dry Recyclables (Civic Amenity)	110.46	86.58	28%	Increase in customers using the Civic Amenity centre due to a closure of Mullingar Civic Amenity Centre.	38%	R5-Recycling/reclamation or other inorganic materials which includes soil reclaiming resulting in recovery of the soil and recycling of inorganic construction materials
	20 03 07	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Bulky Waste (Commercial)	852.1	495.48	72%	Increased demand from commercial customers for skips.	0%	D13- Blending or mixing prior to submission to any of the operations numbered D1 to D12
	20 03 07	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Bulky Waste (Domestic)	652.09	656.1	-1%	Increased demand for Skips. Householders bringing in unwanted bulky items	0%	D13- Blending or mixing prior to submission to any of the operations numbered D1 to D12
	20 02 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Green Waste	13.14	13.58	-3%		0%	D15-Storage pending any of the operations numbered D1 to D14
	20 01 02	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Glass Bottles/Jars	661.4	295.74	124%	Mullingar Recycling Resource Centre Ltd bringing in glass from their commercial customers around Mullingar town and also from bottle banks .	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)
	16 01 20	16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST	Windscreen Glass	0.24	3.36	-93%	no longer dealing with End of life vehicles so don't bring in windscreen glass either.	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)
	17 02 02	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	C&D Glass	3.06	1.56	96%	Increase in customers doing renovations and construction.	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)
	17 02 01	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Timber	51.26	52.24	-2%		0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)
	17 08 02	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Plasterboard	3.9	2.28	71%	Increase in customers doing renovations and construction.	0%	D13- Blending or mixing prior to submission to any of the operations numbered D1 to D12
	02 01 40	02- WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING	Farm Plastic	6.08	7.42	-18%	More customers aware of IFPP collections.	0%	D13- Blending or mixing prior to submission to any of the operations numbered D1 to D12
	20 01 10	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Textile	0.08	2.16	-96%	Public mostly using public textile banks.	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)
	20 01 36	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	WEEE	35.84	26.84	34%	Increase in customers using the Civic Amenity centre	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)
	16 06 01	16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST	Lead Acid Batteries	28.12	17.08	65%	Increase in money value for Lead Acid Batteries	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)

WASTE SUMMARY	Lic No:	W0197-02	Year	2016
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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	



[Guidance to completing the PRTR workbook](#)

PRTR Returns Workbook

Version 1.1.19

REFERENCE YEAR	2016
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1. FACILITY IDENTIFICATION

Parent Company Name	Mulleady's Limited
Facility Name	Mulleady's Limited (Mullingar)
PRTR Identification Number	W0197
Licence Number	W0197-02

Classes of Activity	
No.	class_name
-	Refer to PRTR class activities below

Address 1	Units 16-17 Mullingar Business Park
Address 2	Mullingar
Address 3	
Address 4	
	Westmeath
Country	Ireland
Coordinates of Location	-9.17642 54.1592
River Basin District	IEGBNISH
NACE Code	3832
Main Economic Activity	Recovery of sorted materials
AER Returns Contact Name	Ludmila Gabrisova
AER Returns Contact Email Address	Lu@mulleadays.com
AER Returns Contact Position	Environmental Manager
AER Returns Contact Telephone Number	043 3324128
AER Returns Contact Mobile Phone Number	
AER Returns Contact Fax Number	
Production Volume	0.0
Production Volume Units	
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	5
User Feedback/Comments	
Web Address	

2. PRTR CLASS ACTIVITIES

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

4. WASTE IMPORTED/ACCEPTED ONTO SITE

[Guidance on waste imported/accepted onto site](#)

Do you import/accept waste onto your site for on-site treatment (either recovery or disposal activities)?	
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This question is only applicable if you are an IPPC or Quarry site

4.1 RELEASES TO AIR

[Link to previous years emissions data](#)

| PRTR#: W0197 | Facility Name : Muleady's Limited (Mullingar) | Filename : W0197_2016.xls | Return Year : 2016 |

03/04/2017 15:15

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:	Muleady's Limited (Mullingar)				
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](#)

| PRTR# : W0197 | Facility Name : Mulleady's Limited (Mullingar) | Filename : W0197_2016_1.xls | Return Year : 2016 |

03/04/2017 15:31

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 from your facility

RELEASES TO WATERS					Please enter all quantities in this section in KGs			
No. Annex II	POLLUTANT Name	M/C/E	Method Used		QUANTITY			
			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

RELEASES TO WATERS					Please enter all quantities in this section in KGs			
No. Annex II	POLLUTANT Name	M/C/E	Method Used		QUANTITY			
			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 No.	POLLUTANT Name	M/C/E	Method Used		QUANTITY			
			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](#)

| PRTR#: W0197 | Facility Name : Muleady's Limited (Mullingar) | Filename : W0197_2016_1.xls | Ref

03/04/2017 15:32

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 Used		Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
			Method Code	Designation or Description				
					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 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 Used		Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
			Method Code	Designation or Description				
					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

4.4 RELEASES TO LAND

[Link to previous years emissions data](#)

| PRTR# : W0197 | Facility Name : Mulleady's Limited (Mullingar) | Filename : W0197_2016_1.xls | Return Year : 2016 |

03/04/2017 15:32

SECTION A : PRTR POLLUTANTS

POLLUTANT		RELEASES TO LAND			Please enter all quantities in this section in KGs		
No. Annex II	Name	M/C/E	METHOD		Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year
			Method Code	Designation or Description			
					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		RELEASES TO LAND			Please enter all quantities in this section in KGs		
Pollutant No.	Name	M/C/E	METHOD		Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year
			Method Code	Designation or Description			
					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# : W0197 | Facility Name : Mulleady's Limited (Mullingar) | Filename : W0197_2016_1.xls | Return Year : 2016 |

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Please enter all quantities on this sheet in Tonnes

3

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	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 Recover/Disposer				
Within the Country	16 01 03	No	3.6	end-of-life tyres	R13	M	Weighed	Offsite in Ireland	Mulleadys Waste,W0169-01 John Gannon Concrete,WFP-WM-2009-0007-01		Cloonaugh,Drumlish,,Co.Lo ngford,Ireland Hazelwood ,Kilbeggan,,Co.Westmeath ,Ireland			
Within the Country	16 01 20	No	9.66	glass	R5	M	Weighed	Offsite in Ireland					Wilton Waste,WFP-CN-10-0005-01(1),Kiffagh,Crosserlough, Ballyjamesduff,Co. Cavan,Ireland	
Within the Country	16 06 01	Yes	27.92	lead batteries	R4	M	Weighed	Offsite in Ireland	Wilton Waste,WFP-CN-10-0005-5-01(1) Conroy Recycling Ltd,WFP-WH-2009-0002-01		Kiffagh,Crosserlough,Ballyja mesduff,Co. Cavan,Ireland Slanebeg,Mullingar,,Co.We stmeath,Ireland		Cavan,Ireland	Kiffagh,Crosserlough,Ballyja mesduff,Co. Cavan,Ireland
Within the Country	17 02 01	No	23.38	wood	R3	M	Weighed	Offsite in Ireland						
Within the Country	15 01 04	No	3.04	metallic packaging	R13	M	Weighed	Offsite in Ireland	Mulleadys Waste,W0169-01 Wilton Waste,WFP-CN-10-0005-5-01(1)		Cloonaugh,Drumlish,,Co.Lo ngford,Ireland			
Within the Country	17 04 01	No	0.3	Copper	R4	M	Weighed	Offsite in Ireland	Wilton Waste,WFP-CN-10-0005-5-01(1)		Kiffagh,Crosserlough,Ballyja mesduff,Co. Cavan,Ireland			
Within the Country	17 04 02	No	6.04	aluminium	R4	M	Weighed	Offsite in Ireland	Wilton Waste,WFP-CN-10-0005-5-01(1)		Kiffagh,Crosserlough,Ballyja mesduff,Co. Cavan,Ireland Unit 4 Osberstown Ind. Park,Carragh Road,Naas,Co. Kildare,Ireland			
Within the Country	20 01 02	No	674.5	glass	R5	M	Weighed	Offsite in Ireland	Rehab Glassco Limited,W0279-02		The Enterprise Centre,Bishopsgate Street,Mullingar Recycling Resources Centre Centre Limited ,Co. Westmeath,Ireland Glen abbey Complex,Belgard,Tallaght ,Dublin 24,Ireland			
Within the Country	20 01 02	No	5.24	glass	R13	M	Weighed	Offsite in Ireland	Mullingar Recycling Resources Centre Centre Limited ,.					
Within the Country	20 01 11	No	2.24	textiles	R5	M	Weighed	Offsite in Ireland	Textile Recycling,WPR014/2					
Within the Country	20 01 21	Yes	0.2	fluorescent tubes and other mercury-containing waste	R4	M	Weighed	Offsite in Ireland	KMK Metal Recycling,W0113-03		Cappincur Industrial Estate,Daingean Road,Tullamore ,Co.Offaly,Ireland Cappincur Industrial Estate,Daingean Road,Tullamore ,Co.Offaly,Ireland		KMK Metals Recycling Limited,W0113-04,Cappincur Industrial Estate,Daingean Rd,Tullamore,Co. Offaly,Ireland	Cappincur Industrial Estate,Daingean Rd,Tullamore,Co. Offaly,Ireland
Within the Country	20 01 36	No	34.44	WEEE	R4	M	Weighed	Offsite in Ireland	KMK Metal Recycling,W0113-03					
Within the Country	20 01 39	No	22.86	plastics	R13	M	Weighed	Offsite in Ireland	Mulleadys Waste,W0169-01 Wilton Waste,WFP-CN-10-0005-5-01(1)		Cloonaugh,Drumlish,,Co.Lo ngford,Ireland			
Within the Country	20 01 40	No	206.5	metals	R4	M	Weighed	Offsite in Ireland						
Within the Country	15 01 01	No	157.3	paper and cardboard packaging	R13	M	Weighed	Offsite in Ireland	Mulleadys Waste,W0169-01		Cloonaugh,Drumlish,,Co.Lo ngford,Ireland Robinhood Industrial Estate,Robinhood Road,Ballymount,Dublin 22,Ireland			
Within the Country	20 03 01	No	4144.98	mixed municipal waste	R12	M	Weighed	Offsite in Ireland	Oxigen Environmental,W0152-03					
Within the Country	20 03 01	No	2051.38	mixed municipal waste	D10	M	Weighed	Offsite in Ireland	Indaver Ireland,W0167-02		Carranstown,,Duleek,Co. Meath,Ireland Killinagh Upper,Carbury,,Co. Kildare,Ireland			
Within the Country	20 03 01	No	364.44	mixed municipal waste	D5	M	Weighed	Offsite in Ireland	Drehid Landfill,W0201-03					

Within the Country	20 03 01	No	1166.02 mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Mulleadys Waste,W0169-01	Cloonaugh,Drumlish,..Co.Lo
Within the Country	20 03 01	No	901.72 mixed municipal waste	R12	M	Weighed	Offsite in Ireland	AES Environmental,W0104-01	ngford,Ireland Tullamore,Co. Offaly,..,Ireland
Within the Country	20 03 01	No	680.68 mixed municipal waste	R12	M	Weighed	Offsite in Ireland	Mulleadys Waste,W0169-01	Cloonaugh,Drumlish,..Co.Lo ngford,Ireland
Within the Country	20 03 01	No	106.46 mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Dublin City Council_Material Recovery Facility (Operated by Nurendale),W0238-01	Merrywell ,Ballymount Road Lower,Dublin 22,..Ireland Knockmant,The
Within the Country	17 01 07	No	419.08 mixture of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06	R5	M	Weighed	Offsite in Ireland	Liam Ward,WFP-WM-2016- 0005-01	Downs,Mullingar,Co. Westmeath,Ireland Cloonaugh,Drumlish,..Co.Lo ngford,Ireland
Within the Country	20 01 38	No	12.34 wood other than that mentioned in 20 01 37	R13	M	Weighed	Offsite in Ireland	Mulleadys Waste,W0169-01	ngford,Ireland
Within the Country	17 02 01	No	145.04 wood	R13	M	Weighed	Offsite in Ireland	O Connor Recycling Waste Management Ltd,WFP-RN- 10-0001-01	Roxborough ..Roscommon Co. Roscommon,Ireland
Within the Country	20 03 01	No	219.84 mixed municipal waste	D5	M	Weighed	Offsite in Ireland	Knockharley Landfill Limited,W0146-02	Knockharley,..Kenstown,Co. Meath,Ireland
Within the Country	20 03 07	No	1.8 bulky waste	R13	M	Weighed	Offsite in Ireland	Mulleadys Waste,W0169-01	Cloonaugh,Drumlish,..Co.Lo ngford,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](#)

[Link to Waste Guidance](#)