

Facility Information Summary	
AER Reporting Year	2018
Licence Register Number	P0480-02
Name of site	Dublin Aerospace Ltd.
Site Location	Dublin Airport
NACE Code	3316
Class/Classes of Activity	C2
National Grid Reference (6E, 6 N)	530 25'49.11"N 60 14'30.57"W
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.	<p>Dublin Aerospace Limited, established in 2009, received its IPPC Licence in December 2010. This in turn transferred to an Industrial Emissions Licence in December 2013. It operates an aircraft maintenance facility at a site on the grounds of Dublin Airport with a staff of approximately 417 people. ELV exceedances for 2018 were as follows: AIR: No exceedances for air. TRADE EFFLUENT: SE1: Cadmium - Result of 0.069mg/l (Limit value 0.05mg/l) on the 22nd February 2018, Nickel - Result of 0.753mg/l (Limit value 0.5mg/l) on the 25th April 2018, Chromium - Result of 0.960mg/l (Limit value 0.5mg/l) on the 23rd May 2018, Cadmium - Result of 0.068mg/l (Limit value 0.05mg/l) on the 19th December 2018 and Chromium - Result of 0.682mg/l (Limit value 0.5mg/l).</p>

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.

<u>Stephen Caffrey</u>	29/03/2019
Signature	Date
Group/Facility manager	
(or nominated, suitably qualified and experienced deputy)	

Answer all questions and complete all tables where relevant

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

Additional information	
Yes	

Periodic/Non-Continuous Monitoring

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

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

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

Emission reference no:	Parameter/ Substance	Frequency of Monitoring	ELV in licence or any revision thereof	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence limit	Method of analysis	Annual mass load (kg)	Comments - reason for change in % mass load from previous year if applicable
A9	volumetric flow	Biannually	10000	No 30min mean can exceed the ELV	8158	Nm ³ /hour	yes	OTH		
A9	volumetric flow	Biannually	10000	No 30min mean can exceed the ELV	6436	Nm ³ /hour	yes	OTH		
A9	PM10	Biannually	1	No 30min mean can exceed the ELV	0.0016	mg/Nm ³	yes	OTH		
A9	PM10	Biannually	1	No 30min mean can exceed the ELV	0.0006	mg/Nm ³	yes	OTH		
A18	volumetric flow	Quarterly	1650	No 30min mean can exceed the ELV	663	Nm ³ /hour	yes	OTH		
A18	volumetric flow	Quarterly	1650	No 30min mean can exceed the ELV	567	Nm ³ /hour	yes	OTH		
A18	volumetric flow	Quarterly	1650	No 30min mean can exceed the ELV	502	Nm ³ /hour	yes	OTH		
A18	volumetric flow	Quarterly	1650	No 30min mean can exceed the ELV	549	Nm ³ /hour	yes	OTH		
A18	Class B organics	Quarterly	20	No 30min mean can exceed the ELV	8.11	mg/Nm ³	yes	EN 13649:2001		
A18	Class B organics	Quarterly	20	No 30min mean can exceed the ELV	1.76	mg/Nm ³	yes	EN 13649:2001		
A18	Class B organics	Quarterly	20	No 30min mean can exceed the ELV	1.24	mg/Nm ³	yes	EN 13649:2001		
A18	Class B organics	Quarterly	20	No 30min mean can exceed the ELV	0.33	mg/Nm ³	yes	EN 13649:2001		
A18	Total Organic Carbon (as C)	Quarterly	75	No 30min mean can exceed the ELV	27.06	mg/Nm ³	yes	OTH		
A18	Total Organic Carbon (as C)	Quarterly	75	No 30min mean can exceed the ELV	50.51	mg/Nm ³	yes	OTH		
A18	Total Organic Carbon (as C)	Quarterly	75	No 30min mean can exceed the ELV	10.76	mg/Nm ³	yes	OTH		

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AIR-summary template				Lic No:	P0480-02	Year	2018	
A18	Total Organic Carbon (as C)	Quarterly	75	No 30min mean can exceed the ELV	15.59	mg/Nm3	yes	OTH
A42	volumetric flow	Biannually	27400	No 30min mean can exceed the ELV	22542	mg/Nm3	yes	OTH
A42	volumetric flow	Biannually	27400	No 30min mean can exceed the ELV	18616	mg/Nm3	yes	OTH
A42	Total Organic Carbon (as C)	Biannually	100	No 30min mean can exceed the ELV	15.54	mg/Nm3	yes	OTH
A42	Total Organic Carbon (as C)	Biannually	100	No 30min mean can exceed the ELV	24.62	mg/Nm3	yes	OTH
A42	Particulate matter (PM10)	Biannually	5	No 30min mean can exceed the ELV	0.1	mg/Nm3	yes	OTH
A42	Particulate matter (PM10)	Biannually	5	No 30min mean can exceed the ELV	1.1	mg/Nm3	yes	OTH
A46	volumetric flow	Quarterly		No 30min mean can exceed the ELV	6954	Nm3/hour	yes	OTH
A46	volumetric flow	Quarterly		No 30min mean can exceed the ELV	6710	Nm3/hour	yes	OTH
A46	volumetric flow	Quarterly		No 30min mean can exceed the ELV	4131	Nm3/hour	yes	OTH
A46	volumetric flow	Quarterly		No 30min mean can exceed the ELV	7267	Nm3/hour	yes	OTH
A46	Total Organic Carbon (as C)	Quarterly		No 30min mean can exceed the ELV	27.03	mg/Nm3	yes	OTH
A46	Total Organic Carbon (as C)	Quarterly		No 30min mean can exceed the ELV	16.68	mg/Nm3	yes	OTH
A46	Total Organic Carbon (as C)	Quarterly		No 30min mean can exceed the ELV	10.54	mg/Nm3	yes	OTH
A46	Total Organic Carbon (as C)	Quarterly		No 30min mean can exceed the ELV	34.69	mg/Nm3	yes	OTH
A46	Particulate matter (PM10)	Quarterly		No 30min mean can exceed the ELV	0.13	mg/Nm3	yes	OTH
A46	Particulate matter (PM10)	Quarterly		No 30min mean can exceed the ELV	0.16	mg/Nm3	yes	OTH
A46	Particulate matter (PM10)	Quarterly		No 30min mean can exceed the ELV	0.67	mg/Nm3	yes	OTH
A46	Particulate matter (PM10)	Quarterly		No 30min mean can exceed the ELV	0.15	mg/Nm3	yes	OTH

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

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AIR-summary template	Lic No:	P0480-02	Year	2018
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)

5 Did continuous monitoring equipment experience downtime? If yes please record downtime in table A2 below

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

7 Did your site experience any abatement system bypasses? If yes please detail them in table A3 below

Table A2: Summary of average emissions -continuous monitoring

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

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

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

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

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

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

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AIR-summary template		Lic No:	P0480-02	Year	2018			
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		Solvent regulations Please refer to linked solvent regulations to complete table 5 and 6						
Total VOC Emission limit value								
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	Solvents lost in water (kg)	Collected waste solvent (kg)	Fugitive Organic Solvent (kg)	Solvent released in other ways e.g.	Solvents destroyed onsite through	Total emission of Solvent to air (kg)
								Total

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Additional information	
1 Does your site have licensed emissions direct to surface water or direct to sewer? If yes please complete table W2 and W3 below for the current reporting year and answer further questions. If you do not have licensed emissions you only need to complete table W1 and or W2 for storm water analysis and visual inspections	Yes
2 Was it a requirement of your licence to carry out visual inspections on any surface water discharges or watercourses on or near your site? If yes please complete table W2 below summarising only any evidence of contamination noted during visual inspections	No

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)

3 Was there any result in breach of licence requirements? If yes please provide brief details in the comment section of Table W3 below	SELECT	Additional information
4 Was all monitoring carried out in accordance with EPA guidance and checklists for Quality of Aqueous Monitoring Data Reported to the EPA? If no please detail what areas require improvement in additional information box	SELECT	

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

Emission reference no:	Emission released to	Parameter/ Substance>Note 1	Type of sample	Frequency of monitoring	Averaging period	ELV or trigger values in licence or any revision thereof ^{Note 2}	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Procedural reference source	Procedural reference standard number	Comments
SE1	Wastewater/Sewer	BOD	composite	Monthly	24 hour	1000	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	0	mg/L	yes	Other (please specify)	SMEWW5210B	
SE1	Wastewater/Sewer	BOD	composite	Monthly	24 hour	1000	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	0	mg/L	yes	Other (please specify)	SMEWW5210B	
SE1	Wastewater/Sewer	BOD	composite	Monthly	24 hour	1000	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	0	mg/L	yes	Other (please specify)	SMEWW5210B	
SE1	Wastewater/Sewer	BOD	composite	Monthly	24 hour	1000	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	0	mg/L	yes	Other (please specify)	SMEWW5210B	
SE1	Wastewater/Sewer	BOD	composite	Monthly	24 hour	1000	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	0	mg/L	yes	Other (please specify)	SMEWW5210B	
SE1	Wastewater/Sewer	BOD	composite	Monthly	24 hour	1000	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	0	mg/L	yes	Other (please specify)	SMEWW5210B	
SE1	Wastewater/Sewer	BOD	composite	Monthly	24 hour	1000	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	0	mg/L	yes	Other (please specify)	SMEWW5210B	
SE1	Wastewater/Sewer	BOD	composite	Monthly	24 hour	1000	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	3	mg/L	yes	Other (please specify)	SMEWW5210B	
SE1	Wastewater/Sewer	BOD	composite	Monthly	24 hour	1000	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	0	mg/L	yes	Other (please specify)	SMEWW5210B	
SE1	Wastewater/Sewer	BOD	composite	Monthly	24 hour	1000	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	0	mg/L	yes	Other (please specify)	SMEWW5210B	

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AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)							Lic No:	P0480-02	Year	2018		
SE1	Wastewater/Sewer	Tin	composite	Monthly	24 hour	2	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	0	mg/L	yes	Other (please specify)	
SE1	Wastewater/Sewer	Tin	composite	Monthly	24 hour	2	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	0.001	mg/L	yes	Other (please specify)	

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

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Continuous monitoring

Additional Information

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

SELECT	The EPA have approved the removal of SE2 from the licence Ref: LRO15576 (10/04/2015) as this trade effluent will be disposed of as by tanker through a licensed external company.
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5

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

Yes	
Yes	

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

No	
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8 Did abatement system bypass occur during the reporting year? If yes please complete table W5 below

Table W4: Summary of average emissions -continuous monitoring

Emission reference no:	Emission released to	Parameter/ Substance	ELV or trigger values in licence or any revision thereof	Averaging Period	Compliance Criteria	Units of measurement	Annual Emission for current reporting year (kg)	% change +/- from previous reporting year	Monitoring Equipment downtime (hours)	Number of ELV exceedences in reporting year
SE1	Wastewater/ Sewer	volumetric flow	175	Monthly	SELECT	m3/day				
SE1	Wastewater/ Sewer	volumetric flow	6-10	Monthly	SELECT	pH units				
SE1	Wastewater/ Sewer	volumetric flow	42	Monthly		degrees C				

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

Table W5: Abatement system bypass reporting table

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

*Measures taken or proposed to reduce or limit bypass frequency

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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)

Yes	
3 years	
Yes	
97	
97	
71	
Yes	
71	
0	
0	
No	
SELECT	
N/A	

- 1
- 2 Please provide integrity testing frequency period
Does the site maintain a register of bunds, underground pipelines (including stormwater and foul), Tanks, sumps and containers? (containers refers to "Chemstore" type units and mobile bunds)
- 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?

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	Corrective action taken	Scheduled date for retest
SELECT						SELECT			SELECT	SELECT	SELECT	
SELECT						SELECT			SELECT	SELECT	SELECT	

- * Capacity required should comply with 25% or 110% containment rule as detailed in your licence
- Has integrity testing been carried out in accordance with licence requirements and are all structures tested in line with BS8007/EPA Guidance? [bunding and storage guidelines](#)
- 15 Are channels/transfer systems to remote containment systems tested?
- 16 Are channels/transfer systems compliant in both integrity and available volume?

Commentary

SELECT	
SELECT	
SELECT	

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**

SELECT	
SELECT	

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

Structure ID	Type system	Material of construction:	Does this structure have Secondary containment?	Type 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
SELECT		SELECT	SELECT	SELECT	SELECT	SELECT	SELECT			

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

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Groundwater/Soil monitoring template	Lic No: P0480-02	Year: 2018
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		Comments
1	Are you required to carry out groundwater monitoring as part of your licence requirements?	yes
2	Are you required to carry out soil monitoring as part of your licence requirements?	no
3	Do you extract groundwater for use on site? If yes please specify use in comment section	no
4	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)	no
6	Have actions been taken to address contamination issues? If yes please summarise remediation strategies proposed/undertaken for the site	no
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

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

Overall conditions are good. GW008 which is an upstream well previously showed elevated levels of DRO. This has significantly decreased. GW003D and GW004 still remain the issue wells with TCE contamination. Overall TCE levels continue to decrease since 2011. No evidence of contamination downstream of these wells has been detected (i.e. in GW005D, GW006 and GW007). Heavy metals remain at elevated background levels.

Table 1: Upgradient Groundwater monitoring results

Date of sampling	Sample location reference	Parameter/Substance	Methodology	Monitoring frequency	Maximum Concentration++	Average Concentration+	unit	GTVs*	SELECT**	Upward trend in pollutant concentration over last 5 years of monitoring data
13/03/2018	GW008	Cadmium	Atomic Absorption	Biannual	0	0	ug/l	3.75		no
13/03/2018	GW008	Chromium	Atomic Absorption	Biannual	0	0	ug/l	37.5		no
15/08/2018	GW008	Copper	Atomic Absorption	Biannual	4	3	ug/l	1500		no
13/03/2018	GW008	Lead	Atomic Absorption	Biannual	3	2.5	ug/l	18.75		no
15/08/2018	GW008	Mercury	Atomic Absorption	Biannual	0.15	0.1	ug/l	0.75		no
13/03/2018	GW008	Nickel	Atomic Absorption	Biannual	4	3.5	ug/l	15		no
13/03/2018	GW008	VOC's	GC/MS	Biannual	0	0	ug/l	Various		no
13/03/2018	GW008	DRO's	Gas Chromatography	Biannual	0	0	ug/l	None		no

Groundwater/Soil monitoring template				Lic No:	P0480-02	Year	2018		
13/03/2018	GW008	Zinc	Atomic Absorption	Biannual	36	32	ug/l	200-375	no
15/08/2018	GW008	Cadmium	Atomic Absorption	Biannual	0	0	ug/l	3.75	no
15/08/2018	GW008	Chromium	Atomic Absorption	Biannual	0	0	ug/l	37.5	no
13/03/2018	GW008	Copper	Atomic Absorption	Biannual	2	3	ug/l	1500	no
15/08/2018	GW008	Lead	Atomic Absorption	Biannual	2	2.5	ug/l	18.75	no
13/03/2018	GW008	Mercury	Atomic Absorption	Biannual	0.05	0.1	ug/l	0.75	no
15/08/2018	GW008	Nickel	Atomic Absorption	Biannual	3	3.5	ug/l	15	no
15/08/2018	GW008	VOC's	Gas Chromatography	Biannual	0	0	ug/l	None	no
15/08/2018	GW008	DRO's	GC/MS	Biannual	0	0	ug/l	Various	no
15/08/2018	GW008	Zinc	Atomic Absorption	Biannual	28	32	ug/l	200-375	no

.+ 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
13/03/2018	GW003D	Vinyl Chloride	GC/MS	Biannual	14	12	ug/l	0.375		no
15/08/2018	GW003D	Trichloroethylene	GC/MS	Biannual	109	177.45	ug/l	None		no
13/03/2018	GW003D	1,1,1-trichloroethane	GC/MS	Biannual	0	0	ug/l	None		no
13/03/2018	GW003D	1,2-dichloroethylene	GC/MS	Biannual	37	36	ug/l	None		no
13/03/2018	GW003D	1,1-dichloroethane	GC/MS	Biannual	2	1	ug/l	None		no
13/03/2018	GW003D	1,1-Dichloroethene	GC/MS	Biannual	2	1	ug/l	None		no
15/08/2018	GW003D	Vinyl Chloride	GC/MS	Biannual	10	12	ug/l	0.375		no
13/03/2018	GW003D	Trichloroethylene	GC/MS	Biannual	155.9	177.45	ug/l	None		no

Groundwater/Soil monitoring template					Lic No:	P0480-02	Year	2018		
15/08/2018	GW003D	1,1,1-trichloroethane	GC/MS	Biannual	0	0	ug/l	None		no
15/08/2018	GW003D	1,2-dichloroethylene	GC/MS	Biannual	35	36	ug/l	None		no
15/08/2018	GW003D	1,1-dichloroethane	GC/MS	Biannual	0	1	ug/l	None		no
15/08/2018	GW003D	1,1-Dichloroethylen	GC/MS	Biannual	0	1	ug/l	None		no
15/08/2018	GW004	Vinyl Chloride	GC/MS	Biannual	60	34	ug/l	0.375		yes
13/03/2018	GW004	Trichloroethylene	GC/MS	Biannual	97.4	88.7	ug/l	None		no
15/08/2018	GW004	1,1,1-trichloroethane	GC/MS	Biannual	3	2.5	ug/l	None		no
15/08/2018	GW004	1,2-dichloroethylene	GC/MS	Biannual	54	33	ug/l	None		no
13/03/2018	GW004	1,1-dichloroethane	GC/MS	Biannual	5	2.5	ug/l	None		no
15/08/2018	GW004	1,1-Dichloroethylen	GC/MS	Biannual	14	13	ug/l	None		no
13/03/2018	GW004	Vinyl Chloride	GC/MS	Biannual	8	34	ug/l	0.375		yes
15/08/2018	GW004	Trichloroethylene	GC/MS	Biannual	80	88.7	ug/l	None		no
13/03/2018	GW004	1,1,1-trichloroethane	GC/MS	Biannual	2	2.5	ug/l	None		no
13/03/2018	GW004	1,2-dichloroethylene	GC/MS	Biannual	12	33	ug/l	None		no
15/08/2018	GW004	1,1-dichloroethane	GC/MS	Biannual	0	2.5	ug/l	None		no
13/03/2018	GW004	1,1-Dichloroethylen	GC/MS	Biannual	12	13	ug/l	None		no
13/03/2018	GW005D	Vinyl Chloride	GC/MS	Biannual	0	0	ug/l	0.375		no
13/03/2018	GW005D	Trichloroethylene	GC/MS	Biannual	0	0	ug/l	None		no

Groundwater/Soil monitoring template					Lic No:	P0480-02	Year	2018		
13/03/2018	GW005D	1,1,1-trichloroethane	GC/MS	Biannual	0	0	ug/l	None		no
13/03/2018	GW005D	1,2-dichloroethene	GC/MS	Biannual	0	0	ug/l	None		no
13/03/2018	GW005D	1,1-dichloroethane	GC/MS	Biannual	0	0	ug/l	None		no
13/03/2018	GW005D	1,1-Dichloroethen	GC/MS	Biannual	0	0	ug/l	None		no
15/08/2018	GW005D	Vinyl Chloride	GC/MS	Biannual	0	0	ug/l	0.375		no
15/08/2018	GW005D	Trichloroethylene	GC/MS	Biannual	0	0	ug/l	None		no
15/08/2018	GW005D	1,1,1-trichloroethane	GC/MS	Biannual	0	0	ug/l	None		no
15/08/2018	GW005D	1,2-dichloroethene	GC/MS	Biannual	0	0	ug/l	None		no
15/08/2018	GW005D	1,1-dichloroethane	GC/MS	Biannual	0	0	ug/l	None		no
15/08/2018	GW005D	1,1-Dichloroethen	GC/MS	Biannual	0	0	ug/l	None		no
13/03/2018	GW007	Vinyl Chloride	GC/MS	Biannual	0	0	ug/l	0.375		no
13/03/2018	GW007	Trichloroethylene	GC/MS	Biannual	0	0	ug/l	None		no
13/03/2018	GW007	1,1,1-trichloroethane	GC/MS	Biannual	0	0	ug/l	None		no
13/03/2018	GW007	1,2-dichloroethene	GC/MS	Biannual	0	0	ug/l	None		no
13/03/2018	GW007	1,1-dichloroethane	GC/MS	Biannual	0	0	ug/l	None		no
13/03/2018	GW007	1,1-Dichloroethen	GC/MS	Biannual	0	0	ug/l	None		no
15/08/2018	GW007	Vinyl Chloride	GC/MS	Biannual	0	0	ug/l	0.375		no
15/08/2018	GW007	Trichloroethylene	GC/MS	Biannual	0	0	ug/l	None		no

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Groundwater/Soil monitoring template					Lic No:	P0480-02	Year	2018		
15/08/2018	GW007	1,1,1-trichloroethane	GC/MS	Biannual	0	0	ug/l	None		no
15/08/2018	GW007	1,2-dichloroethylene	GC/MS	Biannual	0	0	ug/l	None		no
15/08/2018	GW007	1,1-dichloroethane	GC/MS	Biannual	0	0	ug/l	None		no
15/08/2018	GW007	1,1-Dichloroethen	GC/MS	Biannual	0	0	ug/l	None		no
<p>*please note exceedance of generic assessment criteria (GAC) such as a Groundwater Threshold Value (GTV) or an Interim Guideline Value (IGV) or an upward trend in results for a substance indicates that further interpretation of monitoring results is required. In addition to completing the above table, please complete the Groundwater Monitoring Guideline Template Report at the link provided and submit separately through ALDER as a licensee return or as otherwise instructed by the EPA. Groundwater monitoring template</p>										
<p>More information on the use of soil and groundwater standards/ generic assessment criteria (GAC) and risk assessment tools is available in the EPA published guidance (see the link in G31) Guidance on the Management of Contaminated Land and Groundwater at EPA Licensed Sites (EPA 2013).</p>										
<p>**Depending on location of the site and proximity to other sensitive receptors alternative Receptor based Water Quality standards should be used in addition to the GTV e.g. if the site is close to surface water compare to Surface Water Environmental Quality Standards (SWEQS), If the site is close to a drinking water supply compare results to the Drinking Water Standards (DWS)</p>								<p>Groundwater Drinking water Surface water EQS regulations (private supply) Interim Guideline Values (IGV) GTV's standards</p>		

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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

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

		Commentary
1	ELRA initial agreement status	Submitted and not agreed by EPA; Dublin Aerospace are currently working with their Insurance Brokers, Marsh, to procure a bond which will satisfy EPA requirements, we have been advised that this is currently in progress with the EPA
2	ELRA review status	Review required and not completed;
3	Amount of Financial Provision cover required as determined by the latest ELRA	€ 1,993,446.00
4	Financial Provision for ELRA status	Submitted and not agreed by EPA; Submitted on the 30/08/17 and awaiting a response.
5	Financial Provision for ELRA - amount of cover	€ 1,993,446.00
6	Financial Provision for ELRA - type	Environmental Impairment Liability insurance
7	Financial provision for ELRA expiry date	31st March 2019
8	Closure plan initial agreement status	Closure plan submitted and not agreed by EPA
9	Closure plan review status	Review required and not completed
10	Financial Provision for Closure status	Submitted and not agreed by EPA;
11	Financial Provision for Closure - amount of cover	€ 1,993,446.00
12	Financial Provision for Closure - type	Environmental Impairment Liability insurance
13	Financial provision for Closure expiry date	Enter expiry date

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Environmental Management Programme/Continuous Improvement Programme template	Lic No:	P0480-02	Year	2018
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		Additional Information
Highlighted cells contain dropdown menu click to view		
1	Do you maintain an Environmental Mangement System (EMS) for the site. If yes, please detail in additional information	Yes The EMP below is for the period 2015 to 2020
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
Energy Efficiency/Utility conservation	To significantly reduce the amount of gas we use to heat up water. i.e. remove the need for a hot water tank.	100%	All lights in both hangar 4 and 5 have been replaced	Individual	Installation of infrastructure
SELECT		SELECT		SELECT	SELECT
SELECT		SELECT		SELECT	SELECT

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Noise monitoring summary report	Lic No: P0480-02	Year	2018
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1 Was noise monitoring a licence requirement for the AER period?

If yes please fill in table N1 noise summary below

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

[Noise Guidance note NG4](#)

3 Does your site have a noise reduction plan

4 When was the noise reduction plan last updated?

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

Table N1: Noise monitoring summary

Date of monitoring	Time period	Noise location (on site)	Noise sensitive location -NSL (if applicable)	LA _{eq}	LA ₉₀	LA ₁₀	LA _{max}	Tonal or Impulsive noise*(Y/N)	If tonal /impulsive noise was identified was 5dB penalty applied?	Comments (ex. main noise sources on site, & extraneous noise ex. road traffic)	Is site compliant with noise limits (day/evening/night)?
								SELECT	SELECT		SELECT

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

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

** please explain the reason for not taking action/resolution of noise issues?

Any additional comments? (less than 200 words)

Resource Usage/Energy efficiency summary

Lic No:

P0480-02

Year

2018

Additional information

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

Enter date of audit	
No	In-house project are underway
SELECT	Not applicable

Energy Use	Previous year	Current year	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total Energy Used (MWHrs)	6,434,818	7,313,742		
Total Energy Generated (MWHrs)				
Total Renewable Energy Generated (MWHrs)				
Electricity Consumption (MWHrs)	3,496,818	3,501,489		
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)				
Light Fuel Oil (m3)				
Natural gas (m3)	276,986.90	361,351		
Coal/Solid fuel (metric tonnes)				
Peat (metric tonnes)				
Renewable Biomass				
Renewable energy generated on site				

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

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

Water use	Water extracted Previous year m3/yr.	Water extracted Current year m3/yr.	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*	Water Emissions	Water Consumption	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	11,412	9,015					
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)					

Resource Usage/Energy efficiency summary Lic No: P0480-02 Year 2018

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

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

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

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Complaints and Incidents summary template Lic No: P0480-02 Year 2018

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

SELECT

Table 1 Complaints summary

Date	Category	Other type (please specify)	Brief description of complaint (Free txt <20 words)	Corrective action< 20 words	Resolution status	Resolution date	Further information
	SELECT				SELECT		
	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

SELECT

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

Table 2 Incidents summary

Date of occurrence	Incident nature	Location of occurrence	Incident category*please refer to guidance	Receptor	Cause of incident	Other cause(please specify)	Activity in progress at time of incident	Communication	Occurrence	Corrective action<20 words	Preventative action <20 words	Resolution status	Likelihood of reoccurrence
22/02/2018	Breach of ELV	SE1	1. Minor	Sewer	Plant or equipment issues		Normal activities	EPA	Recurring	Investigate all of the possible sources of cadmium in the plating shop and their link with the PH tank.	We will be taking samples from each individual tank linked with the PH tank to see where the source of cadmium is coming from.	Ongoing	Medium

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Complaints and Incidents summary template				Lic No:	P0480-02	Year	2018						
25/04/2018	Breach of ELV	SE1	1. Minor	Sewer	Plant or equipment issues		Normal activities	EPA	Recurring	None as exceedance has already stopped	Spoke to the plating shop team-leader to confirm that he had retrained staff on filter cleaning techniques to prevent a re-occurrence	Complete	Medium
23/05/2018	Breach of ELV	SE1	1. Minor	Sewer	Plant or equipment issues		Normal activities	EPA	Recurring	Immediately contacted the electroplating shop manager to investigate, following this a re-sample was scheduled.	Mains water is switched off at the end of each shift in the electroplating shop. The mains water is used for the rinse tanks which are connected to SE1. We now think that when the mains is switched off the water is syphoning its way back up the pipe. When the water is turned on the following morning the solution is then pushed through the pipes and into SE1. We are now going to empty Chrome rinse No.1. and connect a non-return valve onto both Chrome rinse No.1 and No.2.	Ongoing	Medium
19/12/2018	Breach of ELV	SE1	1. Minor	Sewer	Plant or equipment issues		Normal activities	EPA	Recurring	following this incident the damaged pump was replaced	The filtration system was replaced and the overall process will be closely monitored	Ongoing	Medium
19/12/2018	Breach of ELV	SE1	1. Minor	Sewer	Plant or equipment issues		Normal activities	EPA	Recurring	following this incident the damaged pump was replaced	The filtration system was replaced and the overall process will be closely monitored	Ongoing	Medium
Total number of incidents current year	5												
Total number of incidents previous year	6												
% reduction/increase	20%												

WASTE SUMMARY	Lic No: P0480-02	Year: 2018
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SECTION A- WASTE ACCEPTED ONTO SITE-TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES

Were any wastes accepted onto your site for recovery or disposal or treatment prior to recovery or disposal within the boundaries of your facility ?; (waste generated within your boundaries is to be captured through PRTR reporting)

Additional Information	
SELECT	

If yes please enter details in table 1 below

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

SELECT	
SELECT	

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

SELECT	
--------	--

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 European Waste Catalogue EWC codes	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 -

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

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

SELECT	
SELECT	

5 Is all waste storage infrastructure as required by your licence and approved by the Agency in place? If no please list waste storage infrastructure required on site

SELECT	
SELECT	
SELECT	

6 Does your facility have relevant nuisance controls in place?

7 Do you have an odour management system in place for your facility? If no why?

8 Do you maintain a sludge register on site?

SECTION C-TO BE COMPLETED BY LANDFILL SITES ONLY

Table 2 Waste type and tonnage-landfill only

Waste types permitted for disposal	Authorised/licenced annual intake for disposal (tpa)	Actual intake for disposal in reporting year (tpa)	Remaining licensed capacity at end of reporting year (m3)	Comments

Table 3 General information-Landfill only

Area ID	Date landfilling commenced	Date landfilling ceased	Currently landfilling	Private or Public Operated	Inert or non-hazardous	Predicted date to cease landfilling	Licence permits asbestos	Is there a separate cell for asbestos?	Accepted asbestos in reporting year	Total disposal area occupied by waste	Lined disposal area occupied by waste	Unlined area
										SELECT UNIT	SELECT UNIT	SELECT UNIT
Cell 8												

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WASTE SUMMARY	Lic No: P0480-02	Year: 2018
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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

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

SELECT

Volume of leachate in reporting year(m3)	Leachate (BOD) mass load (kg/annum)	Leachate (COD) mass load (kg/annum)	Leachate (NH4) mass load (kg/annum)	Leachate (Chloride) mass load kg/annum	Leachate treatment on-site	Specify type of leachate treatment	Comments

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

Table 7 Landfill Gas-Landfill only

Gas Captured&Treated by LFG System m3	Power generated (MW / KWh)	Used on-site or to national grid	Was surface emissions monitoring performed during the reporting year?	Comments
			SELECT	

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Transfers of Waste Generated Onsite ?

During the reporting year, did you generate waste at your facility which you (then) transferred offsite for recovery/disposal?

Yes

Search...

Show 50 entries

Previous Next

Transferred Waste								
List of Waste (LoW)				Next Destination		Final Destination		Actions
LoW Code	LoW Description	Classification	Quantity of waste Tonnes / year	Organisation	Waste Treatment Operation	Organisation	Waste Treatment Operation	
20 03 07 B	Bulky waste non-household	-	3.40	Key Waste Management Limited	D10 - Incineration on land	-		  
20 03 01 C	Municipal mixed dry recyclables	-	16.88	Key Waste Management Limited	R03 - Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)	-		  
20 03 01 A	Municipal mixed residual household	-	71.30	Key Waste Management Limited	D10 - Incineration on land	-		  
20 01 21*	Household waste fluorescent lamps and other mercury containing waste	Hazardous	0.16	Irish lamp recycling	R05 - Recycling/reclamation of metals and metal compounds	-		  

20 01 35* C	Household waste light fittings, hazardous	Hazardous	1.86	Irish lamp recycling	R05 - Recycling/reclamation of other inorganic materials	-		  
20 01 35* D	Household other waste electrical and electronic equipment, hazardous	Hazardous	2.29	KMK metal recycling ltd	R05 - Recycling/reclamation of other inorganic materials	-		  
20 01 33*	batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries	Hazardous	0.09	KMK metal recycling ltd	R05 - Recycling/reclamation of other inorganic materials	-		  
20 03 07 B	Bulky waste non-household	-	3.40	Key Waste Management Limited	D10 - Incineration on land	-		  
20 03 01 B	Municipal mixed residual non-household	-	16.88	Key Waste Management Limited	R03 - Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)	-		  

20 03 01 B	Municipal mixed residual non-household	-	71.30	Key Waste Management Limited	D10 - Incineration on land	-		  
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances	Hazardous	3.11	Enva Ireland Limited (Portlaoise) - W0184	D15 - Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage, pending collection, on the site where the waste is produced)	Recyfuel S.A	R01 - Use principally as a fuel or other means to generate energy	  
15 02 02*	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by hazardous substances	Hazardous	3.56	Enva Ireland Limited (Portlaoise) - W0184	D15 - Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage, pending collection, on the site where the waste is produced)	Recyfuel S.A	R01 - Use principally as a fuel or other means to generate energy	  
16 05 04*	gases in pressure containers (including halons) containing hazardous substances	Hazardous	0.13	Enva Ireland Limited (Portlaoise) - W0184	D15 - Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage, pending collection, on the site where the waste is produced)	Remondis	R04 - Recycling/reclamation of metals and metal compounds	  

15 01 10*	packaging containing residues of or contaminated by hazardous substances	Hazardous	0.71	MSM Recycling	R04 - Recycling/reclamation of metals and metal compounds	-		  
16 01 07*	oil filters	Hazardous	0.14	Enva Ireland Limited (Portlaoise) - W0184	R04 - Recycling/reclamation of metals and metal compounds	RD Recycling	R04 - Recycling/reclamation of metals and metal compounds	  
15 02 02*	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by hazardous substances	Hazardous	3.49	Enva Ireland Limited (Portlaoise) - W0184	D15 - Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage, pending collection, on the site where the waste is produced)	Lindenschmidt KG Umwelttechnik	R01 - Use principally as a fuel or other means to generate energy	  
15 01 10*	packaging containing residues of or contaminated by hazardous substances	Hazardous	0.48	Enva Ireland Limited (Portlaoise) - W0184	D15 - Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage, pending collection, on the site where the waste is produced)	Recyfuel S.A	R01 - Use principally as a fuel or other means to generate energy	  

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08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances	Hazardous	0.79	Enva Ireland Limited (Portlaoise) - W0184	D15 - Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage, pending collection, on the site where the waste is produced)	Recyfuel S.A	R01 - Use principally as a fuel or other means to generate energy	  
15 01 10*	packaging containing residues of or contaminated by hazardous substances	Hazardous	0.02	Enva Ireland Limited (Shannon) - W0041	D15 - Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage, pending collection, on the site where the waste is produced)	Recyfuel S.A	R04 - Recycling/reclamation of metals and metal compounds	  
16 05 06*	laboratory chemicals, consisting of or containing hazardous substances, including mixtures of laboratory chemicals	Hazardous	4.53	Enva Ireland Limited (Shannon) - W0041	D15 - Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage, pending collection, on the site where the waste is produced)	Lindenschmidt KG Umwelttechnik	R01 - Use principally as a fuel or other means to generate energy	  
16 05 07*	discarded inorganic chemicals consisting of or containing hazardous substances	Hazardous	3.43	Enva Ireland Limited (Shannon) - W0041	D15 - Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage, pending collection, on the site where the waste is produced)	Lindenschmidt KG Umwelttechnik	R01 - Use principally as a fuel or other means to generate energy	  

12 01 05	plastics shavings and turnings	-	5.27	Lindenschmidt KG Umwelttechnik	R01 - Use principally as a fuel or other means to generate energy	-		  
11 01 09*	sludges and filter cakes containing hazardous substances	Hazardous	0.02	Enva Ireland Limited (Shannon) - W0041	D15 - Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage, pending collection, on the site where the waste is produced)	Lindenschmidt KG Umwelttechnik	R01 - Use principally as a fuel or other means to generate energy	  
15 01 10*	packaging containing residues of or contaminated by hazardous substances	Hazardous	0.09	-		Lindenschmidt KG Umwelttechnik	D15 - Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage, pending collection, on the site where the waste is produced)	  
15 01 10*	packaging containing residues of or contaminated by hazardous substances	Hazardous	0.05	Enva Ireland Limited (Shannon) - W0041	D15 - Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage, pending collection, on the site where the waste is produced)	Recyfuel S.A	R01 - Use principally as a fuel or other means to generate energy	  
15 01 10*	packaging containing residues of or contaminated by hazardous substances	Hazardous	0.07	Enva Ireland Limited (Shannon) - W0041	R03 - Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)	-		  

15 01 10*	packaging containing residues of or contaminated by hazardous substances	Hazardous	0.04	Enva Ireland Limited (Shannon) - W0041	R01 - Use principally as a fuel or other means to generate energy	-		  
15 01 10*	packaging containing residues of or contaminated by hazardous substances	Hazardous	0.11	Enva Ireland Limited (Shannon) - W0041	D15 - Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage, pending collection, on the site where the waste is produced)	Recyfuel S.A	R03 - Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)	  
16 05 08*	discarded organic chemicals consisting of or containing hazardous substances	Hazardous	0.10	Enva Ireland Limited (Shannon) - W0041	D15 - Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage, pending collection, on the site where the waste is produced)	Lindenschmidt KG Umwelttechnik	R01 - Use principally as a fuel or other means to generate energy	  
13 02 08*	other engine, gear and lubricating oils	Hazardous	0.81	Enva Ireland Limited (Shannon) - W0041	D15 - Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage, pending collection, on the site where the waste is produced)	Lindenschmidt KG Umwelttechnik	R01 - Use principally as a fuel or other means to generate energy	  
07 01 04*	other organic solvents, washing liquids and mother liquors	Hazardous	0.02	Enva Ireland Limited (Shannon) - W0041	D15 - Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage, pending collection, on the site where the waste is produced)	Lindenschmidt KG Umwelttechnik	R01 - Use principally as a fuel or other means to generate energy	  

08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances	Hazardous	0.21	Enva Ireland Limited (Shannon) - W0041	D15 - Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage, pending collection, on the site where the waste is produced)	Recyfuel S.A	R01 - Use principally as a fuel or other means to generate energy	  
15 02 02*	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by hazardous substances	Hazardous	0.16	Enva Ireland Limited (Shannon) - W0041	D15 - Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage, pending collection, on the site where the waste is produced)	Lindenschmidt KG Umwelttechnik	R01 - Use principally as a fuel or other means to generate energy	  
08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances	Hazardous	0.06	Enva Ireland Limited (Shannon) - W0041	D15 - Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage, pending collection, on the site where the waste is produced)	Lindenschmidt KG Umwelttechnik	R01 - Use principally as a fuel or other means to generate energy	  
06 13 02*	spent activated carbon (except 06 07 02)	Hazardous	0.33	Enva Ireland Limited (Shannon) - W0041	D15 - Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage, pending collection, on the site where the waste is produced)	Lindenschmidt KG Umwelttechnik	R01 - Use principally as a fuel or other means to generate energy	  

16 05 09	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08	-	1.80	Lindebschmidt KG Umwelttechnik	R01 - Use principally as a fuel or other means to generate energy	-		
11 01 98*	other wastes containing hazardous substances	Hazardous	0.02	Enva Ireland Limited (Shannon) - W0041	D15 - Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage, pending collection, on the site where the waste is produced)	Lindenschmidt KG Umwelttechnik	R01 - Use principally as a fuel or other means to generate energy	
06 02 04*	sodium and potassium hydroxide	Hazardous	0.09	Enva Ireland Limited (Shannon) - W0041	D15 - Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage, pending collection, on the site where the waste is produced)	Lindenschmidt KG Umwelttechnik	R01 - Use principally as a fuel or other means to generate energy	
07 01 04*	other organic solvents, washing liquids and mother liquors	Hazardous	0.01	Enva Ireland Limited (Shannon) - W0041	D15 - Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage, pending collection, on the site where the waste is produced)	Recyfuel S.A	R01 - Use principally as a fuel or other means to generate energy	
06 01 05*	nitric acid and nitrous acid	Hazardous	0.00	Enva Ireland Limited (Shannon) - W0041	D15 - Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage, pending collection, on the site where the waste is produced)	Recyfuel S.A	R01 - Use principally as a fuel or other means to generate energy	

13 02 08*	other engine, gear and lubricating oils	Hazardous	0.21	Enva Ireland Limited (Portlaoise) - W0064	R09 - Oil re-refining or other reuses of oil	-		
12 01 07*	mineral-based machining oils free of halogens (except emulsions and solutions)	Hazardous	1.06	Enva Ireland Limited (Shannon) - W0041	D15 - Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage, pending collection, on the site where the waste is produced)	Lindenschmidt KG Umwelttechnik	R01 - Use principally as a fuel or other means to generate energy	
12 01 15	machining sludges other than those mentioned in 12 01 14	-	0.02	Lindebschmidt KG Umwelttechnik	R01 - Use principally as a fuel or other means to generate energy	-		
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances	Hazardous	0.40	Enva Ireland Limited (Shannon) - W0041	D15 - Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage, pending collection, on the site where the waste is produced)	Lindenschmidt KG Umwelttechnik	R01 - Use principally as a fuel or other means to generate energy	
15 02 02*	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by hazardous substances	Hazardous	0.24	Enva Ireland Limited (Shannon) - W0041	D15 - Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage, pending collection, on the site where the waste is produced)	Recyfuel S.A	R01 - Use principally as a fuel or other means to generate energy	

11 01 11*	aqueous rinsing liquids containing hazardous substances	Hazardous	2.01	Enva Ireland Limited (Shannon) - W0041	D15 - Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage, pending collection, on the site where the waste is produced)	Lindenschmidt KG Umweltechnik	R01 - Use principally as a fuel or other means to generate energy	  
16 02 14 A	Non-household waste white goods	-	0.59	KMK Metals Recycling Limited - W0113	R04 - Recycling/reclamation of metals and metal compounds	-		  
16 02 14 A	Non-household waste white goods	-	1.17	KMK metal recycling ltd	R04 - Recycling/reclamation of metals and metal compounds	-		  
20 01 21*	Household waste fluorescent lamps and other mercury containing waste	Hazardous	0.02	KMK metal recycling ltd	R12 - Exchange of waste for submission to any of the operations numbered R 1 to R 11	-		  
16 02 13* C	Non-household waste TVs and monitors, flat screens	Hazardous	0.04	KMK metal recycling ltd	R04 - Recycling/reclamation of metals and metal compounds	-		  

16 06 01*	lead batteries	Hazardous	0.29	KMK metal recycling ltd	R12 - Exchange of waste for submission to any of the operations numbered R 1 to R 11	-		  
06 01 06*	other acids	Hazardous	1.08	Rilta Environmental Limited - W0191	D15 - Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage, pending collection, on the site where the waste is produced)	Revatech	R05 - Recycling/reclamation of other inorganic materials	  
06 02 05*	other bases	Hazardous	0.04	Rilta Environmental Limited - W0192	R13 - Storage of waste pending any of the operations numbered R 1 to R 12 (excluding temporary storage, pending collection, on the site where the waste is produced)	ATM B.V.	R01 - Use principally as a fuel or other means to generate energy	  
06 02 05*	other bases	Hazardous	16.24	Rilta Environmental Limited - W0192	R13 - Storage of waste pending any of the operations numbered R 1 to R 12 (excluding temporary storage, pending collection, on the site where the waste is produced)	Revatech	R05 - Recycling/reclamation of other inorganic materials	  
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances	Hazardous	0.07	Rilta Environmental Limited - W0192	D15 - Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage, pending collection, on the site where the waste is produced)	Recyfuel S.A	R01 - Use principally as a fuel or other means to generate energy	  

13 02 08*	other engine, gear and lubricating oils	Hazardous	0.14	Rilta Environmental Limited - W0192	R09 - Oil re-refining or other reuses of oil	-		  
13 05 07*	oily water from oil/water separators	Hazardous	1.90	Rilta Environmental Limited - W0192	D09 - Physico-chemical treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any of the operations numbered D 1 to D 12 (e.g. evaporation, drying, calcination, etc.)	-		  
14 06 03*	other solvents and solvent mixtures	Hazardous	1.86	Rilta Environmental Limited - W0192	D15 - Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage, pending collection, on the site where the waste is produced)	ATM B.V.	R01 - Use principally as a fuel or other means to generate energy	  
15 01 10*	packaging containing residues of or contaminated by hazardous substances	Hazardous	0.15	Rilta Environmental Limited - W0192	R05 - Recycling/reclamation of other inorganic materials	-		  
15 02 02*	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by hazardous substances	Hazardous	1.01	Rilta Environmental Limited - W0192	D15 - Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage, pending collection, on the site where the waste is produced)	Recyfuel S.A	R01 - Use principally as a fuel or other means to generate energy	  
15 02 02*	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by hazardous substances	Hazardous	1.01	Rilta Environmental Limited - W0192	D15 - Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage, pending collection, on the site where the waste is produced)	Recyfuel S.A	R01 - Use principally as a fuel or other means to generate energy	  
16 05 06*	laboratory chemicals, consisting of or containing hazardous substances, including mixtures of laboratory chemicals	Hazardous	1.05	Rilta Environmental Limited - W0192	D15 - Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage, pending collection, on the site where the waste is produced)	Remondis	D10 - Incineration on land	  

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16 05 06*	laboratory chemicals, consisting of or containing hazardous substances, including mixtures of laboratory chemicals	Hazardous	5.15	Rilta Environmental Limited - W0192	D15 - Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage, pending collection, on the site where the waste is produced)	ATM B.V.	R01 - Use principally as a fuel or other means to generate energy	  
16 05 07*	discarded inorganic chemicals consisting of or containing hazardous substances	Hazardous	1.09	Rilta Environmental Limited - W0192	D15 - Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage, pending collection, on the site where the waste is produced)	Revatech	R05 - Recycling/reclamation of other inorganic materials	  
16 05 08*	discarded organic chemicals consisting of or containing hazardous substances	Hazardous	0.94	Rilta Environmental Limited - W0192	D15 - Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage, pending collection, on the site where the waste is produced)	Recyfuel S.A	R01 - Use principally as a fuel or other means to generate energy	  
16 07 08*	wastes containing oil	Hazardous	3.86	Rilta Environmental Limited - W0192	D09 - Physico-chemical treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any of the operations numbered D 1 to D 12 (e.g. evaporation, drying, calcination, etc.)	-	-	  

16 10 01*	aqueous liquid wastes containing hazardous substances	Hazardous	12.12	Rilta Environmental Limited - W0192	D09 - Physico-chemical treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any of the operations numbered D 1 to D 12 (e.g. evaporation, drying, calcination, etc.)	-	-	  
06 02 05*	other bases	Hazardous	1.06	Rilta Environmental Limited - W0192	D15 - Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage, pending collection, on the site where the waste is produced)	SISAV	D09 - Physico-chemical treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any of the operations numbered D 1 to D 12 (e.g. evaporation, drying, calcination, etc.)	  
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances	Hazardous	0.30	Rilta Environmental Limited - W0192	D15 - Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage, pending collection, on the site where the waste is produced)	SISAV	D09 - Physico-chemical treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any of the operations numbered D 1 to D 12 (e.g. evaporation, drying, calcination, etc.)	  

15 01 10*	packaging containing residues of or contaminated by hazardous substances	Hazardous	0.10	Rilta Environmental Limited - W0192	D15 - Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage, pending collection, on the site where the waste is produced)	SISAV	D09 - Physico-chemical treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any of the operations numbered D 1 to D 12 (e.g. evaporation, drying, calcination, etc.)	
15 02 02*	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by hazardous substances	Hazardous	0.37	Rilta Environmental Limited - W0192	D15 - Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage, pending collection, on the site where the waste is produced)	SISAV	D09 - Physico-chemical treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any of the operations numbered D 1 to D 12 (e.g. evaporation, drying, calcination, etc.)	
13 02 08*	other engine, gear and lubricating oils	Hazardous	0.07	Rilta Environmental Limited - W0192	D15 - Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage, pending collection, on the site where the waste is produced)	SISAV	D09 - Physico-chemical treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any of the operations numbered D 1 to D 12 (e.g. evaporation, drying, calcination, etc.)	
20 01 40 A	Ferrous metals	-	0.38	A1 metals	R04 - Recycling/reclamation of metals and metal compounds	-		

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