Facility Information	n Summary
AER Reporting Year	2017
Licence Register Number	P0465-01
Name of site	G. BRUSS GmbH
Site Location	Finisklin Road, Sligo
NACE Code	2030
Class/Classes of Activity	5.7
National Grid Reference (6E, 6 N)	E336332, N168460
	In 2017, Production volume increase 4.

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.

.8% . Ennergy efficiency increased by 5.1 % per parts produced during this period. The site was successfully certified to the revised Environmental Standard ISO 14001:2015 in November of 2017.

Declaration:

All the data and information presented in this report has been checked and certified as being accurate. The

quality of the information is assured to meet licence requirements.

Signature Date Group/Facility manager 12.04.2018 Anna Garvey (or nominated, suitably qualified and experienced deputy)

	AIR-summary					Lic No:	P0465-01	
	Answer all questic	ons and complete all table	s where relevant				,,	Additional informati
	Does your site h	ave licensed air emissio	ns? If yes please co	mplete table A1 a	nd A2 below for the current			
1	reporting year a	nd answer further quest	ions. If <mark>you do not l</mark>	have licenced em	issions and do not complete			
	asolve	nt management plan (ta	ible A4 allu A5) you	1 <u>do not</u> need to t	omplete the tables	Yes		
	Periodio	c/Non-Continuous M	lonitoring					
2	Are there any	results in breach of licence	e requirements? If ye	es please provide b	rief details in the comment	NIE		
			section of TableA1 b	Basic air				
3	Was all monif	toring carried out in accor	dance with EPA	monitoring		N		
	guidance note AG	2 and using the basic air n	nonitoring checklist?	<u>CNECKIIST</u>	<u>AGN2</u>	Yes		
	Table A1: Lice	nsed Mass Emission	s/Ambient data-	periodic monit	toring (non-continuous)			
			-	•				
				FLV in licence or				
	Emission	Decemeter/Substance	Frequency of	any revision	Liconce Compliance criteria	Maggurad value	Unit of	Compliant with
		r arameter/ Substance	Normoring	150 (At mass		Weasured value	measurement	
	A2-01	Total Particulates	Annual	flows<0.5kg/hr 50 (At mass flows > 0.5kg/hr)	100 % of values < ELV	<1.5	mg/Nm3	yes
				150 (At mass				
	A2-01	Rubber Fume	Annual	flows<0.5kg/hr 50 (At mass flows > 0.5kg/hr)	100 % of values < ELV	0.70	mg/Nm3	yes
				150 (At mass flows<0.5kg/hr 50 (At				
	A2-02	Total Particulates	Annual	mass flows > 0.5kg/hr)	100 % of values < ELV	2.10	mg/Nm3	yes
	43.03	Dubber Sume	Annual	150 (At mass flows<0.5kg/hr 50 (At		1 20		
	AZ-UZ	Rubber Fume	Annual	mass пows > 0.5kg/hr) 150 (At mass	100 % OF VALUES < ELV	1.00	mg/wm3	yes
	A2-03	Total Particulates	Annual	flows<0.5kg/hr 50 (At mass flows > 0.5kg/hr)	100 % of values < ELV	3.10	mg/Nm3	yes
				150 (At mass				
	A2-03	Rubber Fume	Annual	flows<0.5kg/hr 50 (At mass flows > 0.5kg/hr)	100 % of values < ELV	1.50	mg/Nm3	yes
				150 (At mass				
	A2-04	Total Particulates	Annual	flows<0.5kg/hr 50 (At mass flows > 0.5kg/hr)	100 % of values < ELV	<7.5	mg/Nm3	yes
				150 (At mass flows<0 5kg/hr 50 (At				
	A2-04 Note 1: Volumetri	Rubber Fume c flow shall be included as	Annual a reportable param	mass flows > 0.5kg/hr)	100 % of values < ELV	22.40	mg/Nm3	yes
		Continuous N	lonitoring					
4	Does your site ca	rry out continuous air emi	issions monitoring?			No		
	If yes please re	view your continuous mo	nitoring data and repoints relevant Emissio	port the required f	ields below in Table A2 and			
5		comparent u						
	Did continuous m	onitoring equipment expe	rience downtime? If	yes please record	downtime in table A2 below	SELECT		Not applicable
6	Do you have a prc	pactive service agreement	for each piece of cor	ntinuous monitorin	g equipment?	SELECT		Not applicable
7								
	Table A2: Sum	imary of average em	iissions -continu	ous monitoring	ii them in table A3 below	SELECT		Not applicable
	Emission	Parameter/Substance		Averaging Period	Compliance Criteria	Units of	Annual Emission	Annual maximum
	reference no:			Averaging renou		measurement		Annuarmaximum
			ELV in licence or					
		SELECT	any revision therof			SELECT		
		SELECT SELECT	any revision therof			SELECT SELECT SELECT		
		SELECT SELECT SELECT SELECT	any revision therof			SELECT SELECT SELECT SELECT		
	note 1: Volumetric	SELECT SELECT SELECT SELECT SELECT c flow shall be included as	any revision therof	eter.		SELECT SELECT SELECT SELECT SELECT		
	note 1: Volumetric	SELECT SELECT SELECT SELECT SELECT c flow shall be included as	a reportable parame	eter.	Bypass protocol	SELECT SELECT SELECT SELECT SELECT		
	note 1: Volumetrio Table A3: Aba Date*	SELECT SELECT SELECT SELECT SELECT c flow shall be included as tement system bypa Duration** (hours)	any revision therof a reportable paramo i ss reporting tab Location	eter.	Bypass protocol ason for bypass	SELECT SELECT SELECT SELECT SELECT	Impact magnitude	
	note 1: Volumetrio Table A3: Aba Date*	SELECT SELECT SELECT SELECT SELECT c flow shall be included as tement system bypa Duration** (hours)	a reportable paramo	eter.	Bypass protocol ason for bypass	SELECT SELECT SELECT SELECT SELECT	Impact magnitude	
	note 1: Volumetrio Table A3: Aba Date*	SELECT SELECT SELECT SELECT c flow shall be included as tement system bypa Duration** (hours)	any revision therof	eter.	Bypass protocol ason for bypass	SELECT SELECT SELECT SELECT SELECT	Impact magnitude	
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	note 1: Volumetrio Table A3: Aba Date*	SELECT SELECT SELECT SELECT c flow shall be included as tement system bypa Duration** (hours)	any revision therof	eter.	Bypass protocol ason for bypass	SELECT SELECT SELECT SELECT SELECT	Impact magnitude	
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	note 1: Volumetri Table A3: Aba Date*	SELECT SELECT SELECT SELECT c flow shall be included as tement system bypa Duration** (hours) * this should include all record of time bypass beg Agency inspec	any revision therof	eter.	Bypass protocol ason for bypass asson ccurred ass occurred e and maintained for future hk	SELECT SELECT SELECT SELECT SELECT	Impact magnitude	
	note 1: Volumetrie Table A3: Aba Date*	SELECT SELECT SELECT SELECT c flow shall be included as tement system bypa Duration** (hours) * this should include all record of time bypass beg Agency inspec use and manageme	any revision therof	eter.	Bypass protocol ason for bypass ason ccurred e and maintained for future hk	SELECT SELECT SELECT SELECT SELECT	Impact magnitude	
0	note 1: Volumetrie Table A3: Aba Date* ** an accurate Solvent	SELECT SELECT SELECT SELECT c flow shall be included as tement system bypa Duration** (hours) * this should include all record of time bypass beg Agency inspec use and manageme	any revision therof	eter.	Bypass protocol ason for bypass ss occurred e and maintained for future hk	SELECT SELECT SELECT SELECT SELECT	Impact magnitude	
8	note 1: Volumetrie Table A3: Aba Date* ** an accurate Solvent Do you have a tota	SELECT SELECT SELECT SELECT c flow shall be included as tement system bypa Duration** (hours) * this should include all record of time bypass beg Agency inspec use and manageme al Emission Limit Value of	any revision therof	eter.	Bypass protocol ason for bypass ss occurred e and maintained for future hk yes please fill out tables A4 and	SELECT SELECT SELECT SELECT SELECT	Impact magnitude	2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
8	note 1: Volumetri Table A3: Aba Date* 	SELECT SELECT SELECT SELECT SELECT c flow shall be included as tement system bypa Duration** (hours) Duration** (hours) * this should include all record of time bypass beg Agency inspec use and manageme al Emission Limit Value of ent Management Pla	any revision therof	eter.	Bypass protocol ason for bypass ason for bypass ss occurred e and maintained for future hk yes please fill out tables A4 and Please refer to linked solver complete table 5	SELECT SELECT SELECT SELECT SELECT	Impact magnitude	No
8	note 1: Volumetri Table A3: Aba Date* 	SELECT SELECT SELECT SELECT c flow shall be included as tement system bypa Duration** (hours) * this should include all record of time bypass beg Agency inspec use and manageme al Emission Limit Value of ent Management Pla ission limit value	any revision therof	eter.	Bypass protocol ason for bypass ason for bypass ss occurred e and maintained for future hk yes please fill out tables A4 and Please refer to linked solver complete table 5	SELECT SELECT SELECT SELECT SELECT	Impact magnitude	2 No
8	note 1: Volumetri Table A3: Aba Date* 	SELECT SELECT SELECT SELECT c flow shall be included as tement system bypa Duration** (hours) Duration** (hours) * this should include all record of time bypass beg Agency inspec use and management al Emission Limit Value of rent Management Pla ission limit value	any revision therof	eter.	Bypass protocol ason for bypass ason for bypass ss occurred e and maintained for future hk yes please fill out tables A4 and Please refer to linked solver complete table 5	SELECT SELECT SELECT SELECT SELECT	Impact magnitude	
8	note 1: Volumetri Table A3: Aba Date* Date* ** an accurate Solvent Do you have a tota Table A4: Solv Total VOC Emi	SELECT SELECT SELECT SELECT SELECT c flow shall be included as tement system bypa Duration** (hours) Duration** (hours) * this should include all record of time bypass beg Agency inspec use and management al Emission Limit Value of rent Management Platission limit value	any revision therof any revision therof areportable parameter areporting tab Location Location dates that an abater ginning and end shou tions please refer to nt on site direct and fugitive er an Summary Total VOC	eter.	Bypass protocol ason for bypass ason for bypass ss occurred e and maintained for future nk yes please fill out tables A4 and Please refer to linked solver complete table 5	SELECT SELECT SELECT SELECT SELECT	Impact magnitude	2 No
8	note 1: Volumetrie Table A3: Aba Date* Date*	SELECT SELECT SELECT SELECT SELECT c flow shall be included as tement system bypa Duration** (hours) Duration** (hours) withis should include all record of time bypass beg Agency inspec use and manageme al Emission Limit Value of rent Management Pla ission limit value Total solvent input on site (kg)	any revision therof any revision therof any revision therof are portable parameters are porting tab Location Location dates that an abater ginning and end shou tions please refer to an site direct and fugitive er an Summary Total VOC emissions to Air from entire site	eter. eter. eter. eter. ie seter. ie seter. ie seter. ie seter. ie seter. ie seter. ie seter. ie	Bypass protocol ason for bypass by ason for bypass ason for bypass by ason for bypase by ason for bypass	SELECT SELECT SELECT SELECT SELECT	Impact magnitude	
8	note 1: Volumetri Table A3: Aba Date* Date* ** an accurate Solvent Do you have a tota Table A4: Solv Total VOC Emi	SELECT SELECT SELECT SELECT SELECT c flow shall be included as tement system bypa Duration** (hours) Duration** (hours) withis should include all record of time bypass beg Agency inspec use and management al Emission Limit Value of rent Management Platission limit value	any revision therof any revision to Air from entire site (direct and fugitive)	eter.	Bypass protocol ason for bypass ason for bypas	SELECT SELECT SELECT SELECT SELECT 	Impact magnitude	No
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8	note 1: Volumetriv Table A3: Aba Date* Date* ** an accurate Solvent Do you have a tot Table A4: Solv Total VOC Em Reporting year Table A5:	SELECT SELECT SELECT SELECT c flow shall be included as tement system bypa Duration** (hours) Duration** (hours) * this should include all record of time bypass beg Agency inspec use and manageme al Emission Limit Value of 'ent Management Pl ission limit value Total solvent input on site (kg) (I) Inputs (kg)	any revision therof any revision therof any revision therof are portable parameters are porting tab Location Location Location dates that an abate ginning and end shou tions please refer to an Summary Total VOC emissions to Air from entire site (direct and fugitive) Ce summary	eter.	Bypass protocol ason for bypass ason for bypass aso occurred and maintained for future k yes please fill out tables A4 and Please refer to linked solver complete table 5 Please refer to linked solver complete table 5 Total Emission Limit Value (ELV) in licence or any revision therof	SELECT SELECT SELECT SELECT SELECT SELECT A SELECT Compliance Compliance		
8	note 1: Volumetrie Table A3: Aba Date* Date* *** an accurate Solvent Do you have a tot. Table A4: Solv Total VOC Em Reporting year Reporting year Table A5:	SELECT SELECT SELECT SELECT C flow shall be included as tement system bypa Duration** (hours) Duration** (hours) Duration** (hours) * this should include all record of time bypass beg Agency inspec use and management al Emission Limit Value of rent Management Plation ission limit value Total solvent input on site (kg) (I) Inputs (kg)	any revision therof any revision therof any revision therof areportable parameter areporting tab Location Location dates that an abate ginning and end shou tions please refer to an Summary Total VOC emissions to Air from entire site (direct and fugitive) Ce summary	eter.	Bypass protocol ason for bypass ason for bypass ss occurred e and maintained for future k yes please fill out tables A4 and Please refer to linked solver complete table 5 Total Emission Limit Value (ELV) in licence or any revision therof (O)	SELECT SELECT SELECT SELECT SELECT SELECT SELECT Compliance SELECT SELECT SELECT		
8	note 1: Volumetrie Table A3: Aba Date* Date* ** an accurate Solvent Table A4: Solv Total VOC Em Reporting year Table A5:	SELECT SELECT SELECT SELECT SELECT c flow shall be included as tement system bypa Duration** (hours) Duration** (hours) * this should include all record of time bypass beg Agency inspec use and management al Emission Limit Value of 'ent Management Pl ission limit value Total solvent input on site (kg) (I) Inputs (kg) (I) Inputs (kg)	any revision therof any revision therof any revision therof a reportable parameter a reportable parameter a reporting tab Location Location Location dates that an abate ginning and end shout tions please refer to an Summary Total VOC emissions to Air from entire site (direct and fugitive er an Summary Creanic solvent Creanic solvent	eter.	Bypass protocol ason for bypass yes please fill out tables A4 and Please refer to linked solver complete table 5 Total Emission Limit Value (ELV) in licence or any revision therof ason therof (0) Collected waste solvent (ke)	SELECT SELECT SELECT SELECT SELECT SELECT Compliance Compliance	Solvent released	Solvents
8	note 1: Volumetrie Table A3: Aba Date* Date* 	SELECT SELECT SELECT SELECT C flow shall be included as tement system bypa Duration** (hours) Duration** (hours) Total solvent include all record of time bypass beg Agency inspec use and management al Emission Limit Value of rent Management Pl ission limit value Total solvent input on site (kg) (1) Inputs (kg) (1) Inputs (kg)	any revision therof any revision therof any revision therof are portable param base reporting tab Location Location Location dates that an abate ginning and end shou tions please refer to an Summary Total VOC emissions to Air from entire site (direct and fugitive er an Summary Creasummary Creasummary	eter.	Bypass protocol ason for bypass ason for bypass ss occurred e and maintained for future nk yes please fill out tables A4 and Please refer to linked solver complete table 5 Total Emission Limit Value (ELV) in licence or any revision therof (Collected waste solvent (kg)	SELECT SELECT SELECT SELECT SELECT SELECT SELECT SELECT Compliance Compliance SELECT SELECT SELECT SELECT SELECT	Solvent released in other ways e.g.	Solvents destroyed onsite
8	note 1: Volumetrie Table A3: Aba Date* Date* 	SELECT SELECT SELECT SELECT c flow shall be included as tement system bypa Duration** (hours) Duration** (hours) Duration** (hours) * this should include all record of time bypass beg Agency inspec use and management al Emission Limit Value of rent Management Platission limit value Total solvent input on site (kg) (1) Inputs (kg) (1) Inputs (kg) (1) Inputs (kg)	any revision therof any revision therof any revision therof a reportable parameter ss reporting tab Location Location dates that an abater ginning and end shou tions please refer to an Summary Total VOC emissions to Air from entire site (direct and fugitive er an Summary Cre summary Cre summary Cre summary	eter.	Bypass protocol ason for bypass by esplease fill out tables A4 and Please refer to linked solver complete table 5 Collected waste solvent (kg) (O)	SELECT SELECT SELECT SELECT SELECT SELECT SELECT Compliance Compliance SELECT SELECT SELECT SELECT	Solvent released in other ways e.g.	Solvents destroyed onsite
8	note 1: Volumetrie Table A3: Aba Date* Date* 	SELECT SELECT SELECT SELECT SELECT C flow shall be included as tement system bypa Duration** (hours) Duration** (hours) * this should include all record of time bypass beg Agency inspec use and management Pl ission limit value of rent Management Pl ission limit value Total solvent input on site (kg) Solvent Mass Balance (I) Inputs (kg) (I) Inputs (kg)	any revision therof any revision therof areportable param ass reporting tab Location Location dates that an abatei ginning and end shou tions please refer to an Summary Total VOC emissions to Air from entire site (direct and fugitive er an Summary Cre summary Cre summary	Solvent Solvent regulations Solvent input	Bypass protocol ason for bypass yes please fill out tables A4 and Please refer to linked solver complete table 5 Total Emission Limit Value (ELV) in licence or any revision therof (O) Collected waste solvent (kg)	SELECT SELECT	Solvent released in other ways e.g.	Solvents destroyed onsite
8	note 1: Volumetrie Table A3: Aba Date* Date*	SELECT SELECT SELECT SELECT SELECT c flow shall be included as tement system bypa Duration** (hours) Duration** (hours) Duration** (hours) * this should include all record of time bypass beg Agency inspec use and management al Emission Limit Value of rent Management Pl ission limit value Total solvent input on site (kg) Total solvent mass Balance (1) Inputs (kg) (1) Inputs (kg)	any revision therof	eter.	Bypass protocol ason for bypass ason for bypass ason for bypass ss occurred e and maintained for future nk yes please fill out tables A4 and Please refer to linked solver complete table 5 Total Emission Limit Value (ELV) in licence or any revision therof (O) Collected waste solvent (kg)	SELECT SELECT SELECT SELECT SELECT Compliance Compliance SELECT SELECT SELECT SELECT SELECT SELECT	Solvent released in other ways e.g.	Solvents destroyed onsite

Year	2017	
Additional information		
	-	

nt	Compliant with licence limit	Method of analvsis	Annual mass load (kg)	Comments -reason for change in % mass load from previous year if applicable
	yes	CRM EN 13284- 1:32002	0.0021	
	yes	CRM EN 13284- 1:32002	0.0001	
	yes	CRM EN 13284- 1:32002	0.0026	
	yes	CRM EN 13284- 1:32002	0.0016	
	yes	CRM EN 13284- 1:32002	0.0036	
	yes	CRM EN 13284- 1:32002	0.0016	
	yes	CRM EN 13284- 1:32002	0.0023	
	yes	CRM EN 13284- 1:32002	0.0068	

Not applicable	

Not applicable

sion	Annual maximum	Monitoring Equipment downtime (hours)	Number of ELV exceedences in current	Comments
		· · ·	reporting year	

nitude	Corrective action

	No	
ased	Solvents	Total emission of
s e.g.	destroyed onsite	Solvent to air (kg)
	Total	

AER Monitor	ing returns sur	nmary template-WA	TER/WASTEWAT	rer(sewer)		Lic No:	P0465-01
							Additio
Does your si please comple questions. If yo	te have licensed e te table W2 and V u do not have lic W2 for store	missions direct to surface W3 below for the current enced emissions you <u>only</u> m water analysis and vis	e water or direct to reporting year and need to complete ual inspections	sewer? If yes answer further table W1 and or	Yes		
Was it a requ 2 discharges o summari	irement of your li r watercourses on sing <u>only any evid</u>	icence to carry out visual or near your site? If yes p lence of contamination no	inspections on any please complete tal pted during visual in	surface water ble W2 below <u>hspections</u>	No		
Table	W1 Storm wat	er monitoring					
					FLV or trigger		

Location reference	Location relative to site activities	PRTR Parameter	Licenced Parameter	Monitoring date	level in licence or any revision thereof*	Licence Compliance criteria	Meas
	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	
			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	No	
	Was all monitoring carried out in accordance with EPA		

was an monitoring carried out in accordance with LFA
guidance and checklists for Quality of Aqueous Monitoring
Data Reported to the EPA? If no please detail what areas

4 require improvement in additional information box

External /Internal Lab Quality <u>checklist</u>

Assessment of results checklist

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

Emission reference no:	Emission released to	Parameter/ SubstanceNote 1	Type of sample	Frequency of monitoring	Averaging period	ELV or trigger values in licence or any revision therof ^{Note 2}	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Method of analysis	Procedural reference source	Procedural reference standard number	Annual mass load (kg)	Comments
SE1	Wastewater/Sew er	рН	composite	Monthly	Monthly	6 -9	All values < ELV	7.42	pH units	SELECT	pH Meter (Electrode)	APHA / AWWA "Standard Methods"	pH-4500H+ B Electrohemical	Not applicable	
SE1	Wastewater/Sew er	COD	composite	Monthly	Monthly	500	All values < ELV	92.4	mg/L	no (if no please enter details in comments box)	Spectrophotometry (Colorimetry)	US EPA	HACH Method 8000 Dichromate Reactor	15.22	
SE1	Wastewater/Sew er	Suspended Solids	composite	Monthly	Monthly	NS	All values < ELV	32.5	mg/L	yes	Gravimetric analysis	US EPA	TSS 2540 D	7.47	
SE1	Wastewater/Sew er	Fats, Oils and Greases	composite	Monthly	Monthly	15	All values < ELV	3.6	mg/L	yes	Gravimetric analysis	APHA / AWWA "Standard Methods"	Oil and Grease 5520 B	1.35	
SE1	Wastewater/Sew er	BOD	composite	Monthly	Monthly	200	All values < ELV	21.5	mg/L	no (if no please enter details in comments box)	Dissolved Oxygen Meter (Electrode)	APHA / AWWA "Standard Methods"	Section 5210 B (BOD5)	3.67	

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 E	QS for Surface water or relevant receptor quality star
Continuous monitoring	Additio

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

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

SELECT

SELECT

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

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

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

Table W4: Summary of average emissions -continuous monitoring

Emission	Emission		ELV or trigger values in licence or any revision		Compliance	Units of	Annual Emiss
reference no:	released to	Parameter/ Substance	thereof	Averaging Period	Criteria	measurement	reporting yea
	SELECT	SELECT		SELECT	SELECT	SELECT	
	SELECT	SELECT		SELECT	SELECT	SELECT	
note 1: Volumetri	c flow shall be incl	luded as a reportable param	eter.				

Table W5: Abatement system bypass reporting table

	Table W9. Abatement system sypass reporting table							
Date	Duration (hours)	Location	Resultant	Reason for	Corrective action*	Was a report	When was th	
			emissions	bypass		submitted to the		
						EPA?		
						SELECT		

*Measures taken or proposed to reduce or limit bypass frequency

		Year	2017		
nal information		I			
		l			
sured value	Unit of measurement	Compliant with licence	Comments		
	SELECT	SELECT			
	SELECT	SELECT			
Corrective actio	n	Comments			

andards

Additional Information

% change +/- from previous reporting Monitoring Number of ELV exceedences in sion for current Equipment lvear reporting year Comments downtime (hours) r (kg)

this report submitted?

Bund/Pipeline testing template

Bund testing

dropdown menu click to see options

Are you required by your licence to undertake integrity testing on bunds and containment structures ? if yes please fill out table B1 below listing all **new bunds and** containment structures on site, in addition to all bunds which failed the integrity test-all bunding structures which failed including mobile bunds must be listed in the below, please include all bunds outside the licenced testing period (mobile bunds and chemstore included)

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" ty 3 units and mobile bunds)
- 4 How many bunds are on site?
- 5 How many of these bunds have been tested within the required test schedule?
- 6 How many mobile bunds are on site?
- 7 Are the mobile bunds included in the bund test schedule?
- 8 How many of these mobile bunds have been tested within the required test schedule?
- 9 How many sumps on site are included in the integrity test schedule?10 How many of these sumps are integrity tested within the test schedule?
- Please list any sump integrity failures in table B1
- 11 Do all sumps and chambers have high level liquid alarms?
- 12 If yes to Q11 are these failsafe systems included in a maintenance and testing programme?
- 13 Is the Fire Water Retention Pond included in your integrity test programme?

	Table B1: Summary det	ails of bund /containment structure	integrity test											
									Integrity reports					Results of retest(if in
Bund/Containment									maintained on		Integrity test failure		Scheduled date	current
structure ID	Туре	Specify Other type	Product containment	Actual capacity (I)	Capacity required*	Type of integrity test	Other test type	Test date	site?	Results of test	explanation <50 words	Corrective action taken	for retest	reporting year)
Mobile MB1-27	other (please specify)	Metal	Hydraulic Oils, Non-Flammables	333	1 0.050 / 0.210	0 Hydraulic test		11 - 12 Jan 2017	Yes	Pass		SELECT	12/01/2020	0
В 30	prefabricated	Sinbgle IBC Closed Unit	Ethylene Glycol	1100	0 1000	0 Hydraulic test		11 - 12 Jan 2017	Yes	Pass			12/01/2020	0
B 31	Plastic	Waste Oil Tank, Integrated Bund	Waste Oil	211	1 2000	0 Structural assessment		11 - 12 Jan 2017	Yes	Pass			12/01/2020	0
Mobile 28, 29	Plastic	2 x IBC	Potassium Hydroxide	1100	0 1000	0 Hydraulic test		11 - 12 Jan 2017	Yes	Pass		SELECT	12/01/2020	0
* Capacity required should co	mply with 25% or 110% containme	nt rule as detailed in your licence					Commentary							

Has integrity testing been carried out in accordance with licence requirements and are all structures tested in line with

15 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?

Pipeline/underground structure testing

Are you required by your licence to undertake integrity testing* on underground structures e.g. pipelines or sumps etc? if yes please fill out table 2 below listing all 1 underground structures and pipelines on site which failed the integrity test and all which have not been tested withing 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)

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

				Tura da analara							
				containment							
			Does this structure have			Integrity reports		Integrity test failure	Corrective action	Scheduled date	Results of retest(if in current
Structure ID	Type system	Material of construction:	Secondary containment?		Type integrity testing	maintained on site?	Results of test	explanation <50 words	taken	for retest	reporting year)
									Drain liner		
				SELECT					inserted, resurvey		
Drainage System	Process	concrete	No		CCTV	Yes	Fail	Joint dislocations	CCTV	11.03.2017	Pass

bunding and storage guidelines

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

	P0465-01		Year	2017	
		Additional information			
		Additional Information	1		
the table					
	Voc				
	Tes 2				
	3 years				
e" type					
	Yes				
	31				
	31				
	29				
	Yes				
	29				
	0				
	0				
			-		
	SELECT]		
	SELECT]		
	SELECT				

	/
Yes	
Not applicable	
Not applicable	

Yes	
3 years	

Groundwater/Soil monitoring template

Lic No:

P0465-01

Year

		Comments	
Are you required to carry out groundwater monitoring as part of your licence requirements?	no		Please provide
2 Are you required to carry out soil monitoring as part of your licence requirements?	no		interpretati
Do you extract groundwater for use on site? If yes please specify use in comment 3 section	no		include a int
Do monitoring results show that groundwater generic assessment criteria such as GTVs or IGVs are exceeded or is there 4 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	no		
5 Is the contamination related to operations at the facility (either current and/or historic)	SELECT		
6 Have actions been taken to address contamination issues? If yes please summarise remediation strategies proposed/undertaken for the site	SELECT		
7 Please specify the proposed time frame for the remediation strategy	SELECT		
8 Is there a licence condition to carry out/update ELRA for the site?	SELECT		
9 Has any type of risk assesment been carried out for the site?	SELECT]
10 Has a Conceptual Site Model been developed for the site?	SELECT		
11 Have potential receptors been identified on and off site?	SELECT		
12 Is there evidence that contamination is migrating offsite?	SELECT		

Table 1: Upgradient Groundwater monitoring results

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration++	Average Concentration+	unit	GTV's*	SE
							SELECT		
							SELECT		

.+ where average indicates arithmetic mean

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

Table 2: Downgradient Groundwater monitoring results

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration	Average Concentration	unit SELECT SELECT	GTV's*	SE
*please not trend ir complete the	*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 omplete 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.								
More inform criteria (GAC (see the link	nation on the use o () and risk assessn in G31)	of soil and groun nent tools is avai	dwater standards/ lable in the EPA pu	generic assessment blished guidance	Guidance on th	e Management of (Contaminated Land and Gr	oundwater a	<u>t EPA</u>
**Dependin the GTV e	**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)								
Table 3:	able 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

2017		
e an interpreta tion box below a groundwater iterpretaion as	ation of groundwater / or if you require ad /contaminated land s an additional sectio	monitoring data in the ditional space please monitoring results n in this AER
Please ente	r interpretation of da	ita here
	1	1
	Upward trend in	
	pollutant	
	concentration	
ELECT**	of monitoring data	
	SELECT	
	SELECT	
	Upward trend in	
	nollutant	
	concentration	
	over last 5 years	
SELECT**	of monitoring data	
	SELECT	
	SELECT	
water monito	ring template	
PA Licensed Si	tes (EPA 2013).	
	Balation and	

oundwater	Drinking water		
gulations	(private supply)	Drinking water (public	Interim Guideline
<u>GTV's</u>	<u>standards</u>	supply) standards	Values (IGV)



	Environmental Liabilities template	Lic No:	P0465-01	
	Click here to access EPA guidance on Environmental Liabilities and Financial			
	provision			
			Commentary	
1	ELRA initial agreement status			
-	0			
		SELECT	No requirement for ELRA on existing Lice	ence
			BRUSS assessed its environmental Liabil	ities ir
			accordance with ELRA requirements in 2	2017.
			undertaken to upgrade Bruss internal pr	ocedu
			practice. Findings from this assessment	are be
			incorporated into BRUSS Risk analysis.	3RUSS
			site specific environmental Liability insu	rance
			at the site and is in compliance with EU	Direct
2	ELRA review status	SELECT	2004/35/EU	
3	Amount of Financial Provision cover required as determined by the latest ELRA	Specify		
4	Financial Provision for ELRA status	SELECT		
			EUR 20 million Environmental Liability,	
5	Financial Provision for ELRA - amount of cover	Specify	10 million Environmental Damage	
6	Financial Provision for ELRA - type	SELECT		
_				
7	Financial provision for FLRA expiry date	Enter expiry date		
8	Closure plan initial agreement status	SELECT		
9	Closure plan review status	SELECT		
10	Financial Provision for Closure status	SELECT		
11	Financial Provision for Closure - amount of cover	Specify		
12	Financial Provision for Closure - type	SELECT		
13	Financial provision for Closure expiry date	Enter expiry date		

2017

in . This was dures to best being SS Corp. and e is in place ctive

EUR

		_
Environmental Management Programme/Continuous Improvement Program	nme template	Lic
Highlighted cells contain dropdown menu click to view		Ad
Do you maintain an Environmental Mangement System (EMS) for the site. If yes, please detail in additional information	Yes	
2 Does the EMS reference the most significant environmental aspects and associated impacts on-s	te Yes	
Does the EMS maintain an Environmental Management Programme (EMP) as required in accordance with the licence requirements	Yes	
Do you maintain an environmental documentation/communication system to inform the public of environmental performance of the facility, as required by the licence	n Yes	

Environmental Management Programme (EMP) report					
Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes
Materials Handling/Storage/Bunding	Environmental Health Improvement	60	SVHC elimination in raw material (lead) and process aids (coatings R61 R62	Section Head	Improved Environmental Management Practices
Waste reduction/Raw material usage efficiency	Water consumption reduction	50	Capital investment in 3 x inductrial energy efficient wash machines -recycling of wash water 2017 - further investment in washing/polishing systems using water efficiently on iste planned 2018/2019	Section Head	Reduced emissions
Additional improvements	Upgrade of EMS to ISO14001:2015 / Integration of EMS with Quality and Health systems	50	Certification of site to ISO14001 2015 achieved November 2017 - Cert. Body TUEV Nord. To enhance the effectiveness of the EMS, full integration of EM system and activities with the manufacturing quality and Health & Safety systems is planned throughout 2018/2019.	Section Head	Improved Environmental Management Practices
Energy Efficiency/Utility conservation	SEAI Energy Audit	40	SEAI audit completed in 2016. Actions to reduce energy usage from largest consumers planned 2017-2019. Pilot programme of in-line KWh monitoring hardware installed at 2 off large moulding mcahines. Subject to budget approval 2018, installation on all moulding machines-Analysis of realtimne data to inform production scheduling.	Section Head	Improved Environmental Management Practices - reduction in energy consumption

c No:	P0465-01	Year	2017
dditional Information			
Certified to	o ISO 14001:2015 TUEV Nord		

Noise monitoring summary report	Lic No:	P0465-01	Year
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 <u>Guidance</u> note NG4	Yes	
3 Does your site have a noise reduction plan		No	
4 When was the noise reduction plan last updated?		Enter date	
Have there been changes relevant to site noise emissions (e.g. plant or operational chang noise survey?	ges) since the last	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)?
08/08/2017	13.21-13.51	Adjacent No 61 Rathedmond	NSL 1	44	40	46	63	No		Traffic noise from N4/N15. Strimmer operating within	Yes
08/08/2017	13.54-14.24	Adjacent No 61 Rathedmond	NSL 1	44	39	49	66	No		10m. No site noise audible.	Yes
08/08/2017	14.27-14.57	Adjacent No 61 Rathedmond	NSL 1	47	42	51	62	No			Yes
08/08/2017	23.02-23.32	Adjacent No 61 Rathedmond	NSL 1	37	36	39	58	No		Traffic noise from N4/N15	Yes
08/08/2017	23.33-00.03	Adjacent No 61 Rathedmond	NSL 1	37	35	38	61	No		dominated. Constant dog barking in nearby houses.	Yes
08/08/2017	15.00-15.30	Boundary at School	NSL 2	61	49	65	78	No		Traffic noise from N4/N15 dominated. Lawn mower	No
08/08/2017	15.42-16.12	Boundary at School	NSL 2	64	49	67	84	No		operating at School. No site noise audible. Very faint	No
08/08/2017	16.14-16.44	Boundary at School	NSL 2	60	48	65	72	No		noise of cooling towers/fans from site.	No
09/08/2018	00.57-01.27	Boundary at School	NSL 2	47	45	48	66	No		Traffic nosie audible	Yes
09/08/2018	01.28-01.58	Boundary at School	NSL 2	46	44	47	66	No		redirected from N4 - work on water mains	Yes
08/08/2018	16.45-17.15	NE boundary	NML 3	64	48	70	87	No		Traffic Noise	Yes
09/08/2018	00.38-00.53	NE boundary	NML 3	54	40	49	78	No		Traffic Noise	Yes
24/11/2016	11.14 - 11.49	S boundary	NML 4	52	45	54	73	No		Faint noise from Cooling	Yes
24/11/2016	23.41 - 23.56	S boundary	NML 4	47	45	49	58	No		towers with Traffic niose N4N15 dominating	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?

Daytime noise levels exceeded licence limit (57dB(A)) at location NSL2, daytime. Exceedences due to noise dominated by traffic from N4/N15, lawn cutting at School. Very Faint PA system, intermittent, and cooling Tower nosie from site dominated by constant traffic noise.

Any additional comments? (less than 200 words)

2017

rce Usage/Energy efficiency su	mmary			Lic No:	P0465-01
1 When did the site carry out the	most recent energy effic	iency audit? Please list the	e recommendations	in table 3 below	30.07.2016
				SEAL - Large	
Is the site a member of any accredi	ted programmes for redu	icing energy usage/water	conservation such	Industry Energy	
2 as the SEAI programme linke	ed to the right? If yes plea	ase list them in additional	information	Network (LIEN)	No
Where Fuel Oil is used in boilers o	n site is the sulphur conte	ent compliant with licence	conditions? Please	state percentage in	
3	additiona	al information			SELECT
		1			
Table R1 Energy usa	ge on site				1
			Production +/- %	Energy	
			compared to	Consumption +/- %	
En anno 11an	Duranianan	C	previous	vs overall site	
Energy Use	Previous year	Current year	reporting year**		
Total Energy Osed (MWHrs)	7,692.33	7,663.00	4.8+	5.1-	•
Total Renewable Energy Generated	0	0			
Electricity Consumption (MW/Hrs)	7 692 33	7 663 00	/ 8+	5 1-	•
Eossil Fuels Consumption	7,052.55	,003.00	4.01	5.1-	-
Heavy Fuel Oil (m3) 0	0			
Light Fuel Oil (m3) 0	0			
Natural gas (m3) 0	0			
Coal/Solid fuel (metric tonnes) 0	0]
Peat (metric tonnes)	0	0]
Renewable Biomass	0	0			
Renewable energy generated on site	0	0			J
* where consumption of energy can	be compared to overall s	ite production please ent	er this information a	is percentage increase	e or decrease compare
** where site production information	n is available please ente	r percentage increase or o	decrease compared	to previous year	
Table R2 Water usag	ge on site				Water Emissions
			Due due tier of the	F	
			production +/- %	Consumption 1/ 0/	Volume Discharged
				+	

Table R2 Water usag	e on site				Water Emissions	Water Consumption	
						Volume used i.e not	
			Production +/- %	Energy		discharged to	
			compared to	Consumption +/- %	Volume Discharged	environment e.g.	
	Water extracted	Water extracted	previous	vs overall site	back to	released as steam	Unaccounted for
Water use	Previous year m3/yr.	Current year m3/yr.	reporting year**	production*	environment(m ³ yr):	m3/yr	Water:
Groundwater	0	0					
Surface water	0	0					
Public supply	3,593	2,003					
Recycled water	252	363					
Total	3,593	2,003	4.8+	33.0-	2,003	0	
*	a component to overall at		"this information of				

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

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

Table R3 Waste Stream					
	Total	Landfill	Incineration	Recycled	Other
Hazardous (Tonnes)	11.6	0.0	6.1	5.4	
Non-Hazardous (Tonnes)	403.0	0.0	387.0	16.0	

	+05.0	0:0	507.0	10:0	1	4		
Table R4: Energy	Audit finding recommen	dations	1					
		Description of		Predicted energy				Status and
Date of audit	Recommendations	Measures proposed	Origin of measures	savings %	Implementation date	Responsibility	Completion date	comments
30.07.2016	Energy Team	Quarterly Meetings	energy audit		May-17	Depart Head Eng	ongoing	connents
30.07.2016	Analyse base load	review of interval data	energy audit	54 000Kwb	lan-17	7 Depart Head Eng	Dec-17	
56.67.2010		Select key low cost			5011 17	Depart field Eng.		
		, oppurtunities from register of						Typical savings of
30.07.2016	Energy Awareness Program	OFI	energy audit		Jul-17	7 Depart Head Eng.	ongoing	3% possible
20.07.2016	Deduce weekend lead	Shutdown equipment similar	on one coult	122.000Kuuh	Dec 17		Dec 17	
30.07.2016	Reduce weekend load	to Christmas closing period	energy audit	132,000KWN	Dec-17	Depart Head Eng.	Dec-17	
	Compressed Air system	Carry out a formal						
30.07.2016	review	compressed air leak survey	energy audit	75,000Kwh	Jul-17	7 Depart Head Eng.	Jul-17	
	Storage Heating for Office	Install 7 day timers to avoid						
30.07.2016	space review	weekend use	energy audit	18,720 Kwh	Jul-17	7 Depart Head Eng.	Dec-17	
			_					
Table R5: Power Generation: Where	e power is generated ons	ite (e.g. power generation	facilities/food and o	drink industry)please	complete the following	g information		
	Unit ID	Unit ID	Unit ID	Unit ID	Station Total			
Technology						7		
Primary Fuel						1		
Thermal Efficiency						-		
Unit Date of Commission						1		
Total Starts for year						-		
Total Running Time						1		
Total Electricity Generated (GWH)						1		
House Load (GWH)						1		
KWH per Litre of Process Water						1		
KWH per Litre of Total Water used o	n Site	1				1		
· · ·								

	Year	2017
Additional information		
Fuel Oil consumption		
has now been		
replaced by heat -		
exchange		

ared to the previous reporting year.

Complaints and Incidents summary template		Lic No:	P0465-01
Complaints			
		Additional infor	mation
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	No		

Table	1 Complaints summary]				
			Brief description of				
			complaint (Free txt <20	Corrective action< 20			Further
Date	Category	Other type (please specify)	words)	words	Resolution status	Resolution date	information
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		
Total complaints							
open at start of							
reporting year		ס					
Total new							
complaints							
received during							
reporting year		0					
Total complaints							
closed during							
reporting year		D					
Balance of							
complaints end of							
reporting year		ס					

		Incidents	5]
					Additional inform	ation
Have any incide	ents occurred on site in the currer	t reporting year? Please list	all incidents for current]
	reporting year	r in Table 2 below		No		
						-
*For informati	on on how to report and what					
con	istitutes an incident	What is an incident				
Table 2 Incidents su	mmarv					
			Incident			Other
			category*please refer to			cause(please
Date of occurrence	Incident nature	Location of occurrence	guidance	Receptor	Cause of incident	specify)
	SELECT	SELECT	SELECT	SELECT	SELECT	
	SELECT	SELECT	SELECT	SELECT	SELECT	
	SELECT	SELECT	SELECT	SELECT	SELECT	
	SELECT	SELECT	SELECT	SELECT	SELECT	
Total number of						
incidents current						
year		0				
Total number of						
incidents previous						
year		0				
% reduction/						
increase	100	%				

Year	2017

Wash water to collection tank for disposal

	Activity in							
se	progress at time			Corrective action<20	Preventative		Resolution	Likelihood of
	of incident	Communication	Occurrence	words	action <20 words	Resolution status	date	reoccurence
	SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT			SELECT		SELECT

WASTE SUMMARY	1				Lic No:	P0465-01		Year	2017	7	
SECTION A-PRTR C	ON SITE WASTE TREATMENT AN	D WASTE TRANSFERS T	AB- TO BE COMPLETE	D BY ALL IPPC AND	WASTE FACILITIES	PRTR facility logor	<u>1</u>	dropdown li	st click to see options		
SECTION B- WAST	E ACCEPTED ONTO SITE-TO BE C	OMPLETED BY ALL IPPC	AND WASTE FACILIT	TES]	Additional Informatio	yn 1			
Were any wastes <u>accept</u> 1 boundaries is to be capt	<u>ed onto</u> your site for recovery or disposal ured through PRTR reporting)	or treatment prior to recovery	or disposal within the bou	ndaries of your facility ?;	(waste generated within your	No					
If yes please enter detail 2 Did your site have any re 3 Was was Table 1 Details of	undaries is to be captured through PRTR reporting) yes please enter details in table 1 below id your site have any rejected consignments of waste in the current reporting year? If yes please give a brief explanation in the additional information 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 N/ able 1 Details of waste accepted onto your site for recovery, disposal or treatment (do not include wastes generated at your site)					N/A N/A r site, as these	e will have bee	n reported in yo	ur PRTR workbook)		
Licenced 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	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 -
	European Waste Catalogue EWC codes		European Waste Catalogue EWC codes								

WASTE SUMMARY	·				Lic No:	P0465-01		Year	2017		
SECTION A-PRTR O	N SITE WASTE TREATMENT ANI	D WASTE TRANSFERS TA	B- TO BE COMPLETE	D BY ALL IPPC AND	WASTE FACILITIES	PRTR facility logon		dropdown lis	st click to see options		
SECTION B- WASTE Were any wastes <u>accepte</u> boundaries is to be capte If yes please enter detail	E ACCEPTED ONTO SITE-TO BE C ed onto your site for recovery or disposal ured through PRTR reporting) s in table 1 below	OMPLETED BY ALL IPPC of or treatment prior to recovery of the second sec	AND WASTE FACILIT	IES ndaries of your facility ?; (waste generated within your	No	Additional Informatio	n			
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 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 Table 1 Details of waste accepted onto your site for recovery, disposal or treatment (do not include wastes generated at your					N/A N/A site, as these	e will have bee	n reported in you	ır PRTR workbook)			
Licenced 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	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 -
	European Waste Catalogue EWC codes		European Waste Catalogue EWC codes								

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

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

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

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 D-TO BE COMPLETED BY LANDFILL SITES ONLY Table 2 Waste type and tonnage-landfill only							
Waste types permitted for disposal	Authorised/licenced annual intake for disposal (tpa)	Actual intake for disposal in reporting year (tpa)	Remaining licensed capacity at end of reporting year (m3)	Comments			

Table 3 General information-Landfill only

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

 Table 4 Environmental monitoring-landfill only
 Landfill Manual-Monitoring Standards

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

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

Table 5 Capping-Landfill only

Area uncapped* SELECT UNIT	Area with temporary cap SELECT UNIT	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		
*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?

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

Volume of leachate in		Leachate (COD) mass load	Leachate (NH4) mass	Leachate (Chloride)	
reporting year(m3)	Leachate (BOD) mass load (kg/annum)	(kg/annum)	load (kg/annum)	mass load kg/annum	Leach

	Please ensure that all information repo	rted in the landfill gas section is o	consistent with the Landfil	l Gas Survey submitted in o
Table 7 Landfill Ga	s-Landfill only			
			Was surface emissions	
Gas			monitoring performed	
Captured&Treated by			during the reporting	
LFG System m3	Power generated (MW / KWh)	Used on-site or to national grid	year?	Comments
			SELECT	

SELECT	
SELECT	
SELECT	
SELECT	
SELECT	

ate treatment on-site	leachate treatment	Comments
ate treatment on site	treatment	Comments

on with PRTR returns



| PRTR# : P0465 | Facility Name : G. Bruss GmbH Dichtungstechnik | Filename : P0465_2017.xls | Return Year : 2017 |

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Guidance to completing the PRTR workbook

PRTR Returns Workbook

Version 1.1.19

REFERENCE YEAR 2017

1. FACILITY IDENTIFICATION

Parent Company Name	G. Bruss GmbH Dichtungstechnik
Facility Name	G. Bruss GmbH Dichtungstechnik
PRTR Identification Number	P0465
Licence Number	P0465-01

Classes of Activity

No. class_name - Refer to PRTR class activities below		
- Refer to PRTR class activities below	No	. class_name
		Refer to PRTR class activities below

Address 1	Finisklin Road
Address 2	Sligo
Address 3	
Address 4	
	Sligo
Country	Ireland
Coordinates of Location	-8.48457 54.2745
River Basin District	IEWE
NACE Code	2030
Main Economic Activity	Manufacture of paints, varnishes and similar coatings, printing ink and mastics
AER Returns Contact Name	Anna Garvey
AER Returns Contact Email Address	annagarvey@bruss.ie
AER Returns Contact Position	Environmental Officer
AER Returns Contact Telephone Number	00353719156342
AER Returns Contact Mobile Phone Number	0863859477
AER Returns Contact Fax Number	00353719169352
Production Volume	0.0
Production Volume Units	
Number of Installations	1
Number of Operating Hours in Year	6000
Number of Employees	285
User Feedback/Comments	Values for parameters at Waste Water to Sewer in 2017 were reduced from those of 2016. Process
	Water consumption on site fell by 38.4% in 2017. This was achieved by investment in energy and
	resource efficient washing equipment in the 2016-2017 period - recycling of wash water.

Web Address www.bruss.de

2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
50.1	General
	Simple hydrocarbons (linear or cyclic, saturated or unsaturated, aliphatic or aromatic), Oxygen-containing
	hydrocarbons such as alcohols, aldehydes, ketones, carboxylic acids, esters, acetates, ethers,
	peroxides, epoxy resins, Nitrogenous hydrocarbons such as amines, amides, nitrous compounds, nitro
	compounds or nitrate compounds, nitriles, cyanates, isocyanates, Synthetic rubbers, Phosphorus-
	containing hydrocarbons, Halogenic hydrocarbons, Organometallic compounds, Basic plastic materials
4(a)	(polymers, s

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

Is it applicable?	Vo
Have you been granted an exemption ?	Vo
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-	

Do you import/accept waste onto your site for onsite treatment (either recovery or disposal activities) ? No

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

Net methane emission (as reported in Section A

above)

4.1 RELEASES TO AIR	PRTR# : P0465 Facility Name : G. Bruss GmbH D				
SECTION A : SECTOR SPECIFIC PRTR POL	LUTANTS				
	RELEASES TO AIR			ME	THOD
					Method Use
No. Annex II	Name		M/C/E	Method Code	Designa
	* Select a row by double-clicking on the Pollutant Name (Column B) then click the c	delete button			
SECTION B : REMAINING PRTR POLLUTAN	TS				
	RELEASES TO AIR				
					I HOD Mothod Lloo
No. Annex II	Name		M/C/E	Method Code	Designa
					<u> </u>
	* Select a row by double-clicking on the Pollutant Name (Column B) then click the c	delete button			
SECTION C : REMAINING POLLUTANT EMI	SSIONS (As required in your Licence)				
	RELEASES TO AIR				
	POLLUTANT			ME	THOD
				r	Method Use
Pollutant No	Name		M/C/F	Method Code	Designs
244	Total Particulates		C	CRM	EN 132
	* Select a row by double-clicking on the Pollutant Name (Column B) then click the c	delete button			
Additional Data Requested from Lan	dfill operators				
Additional Data Requested from Lan					
For the purposes of the National Inventory on Greenh	ouse Gases, landfill operators are requested to provide summary data on landf	ill gas (Methane)			
flared or utilised on their facilities to accompany the f emission to the environment under T(total) KG/vr for	gures for total methane generated. Operators should only report their Net met Section A: Sector specific PRTR pollutants above. Please complete the table be	hane (CH4) elow:			
Landfill:	G. Bruss GmbH Dichtungstechnik			1	
Please enter summary data on the					
quantities of methane flared and / or utilised					Method Use
					D
	T (Total) kg/Year		M/C/E	Method Code	
Total estimated methane generation (as pe	r				
site mode		0.0			
Methane utilised in engine/		0.0			
		5.0			

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	12/04/2010 13:04	
Please enter all quantities in this section in KGs		
		QUANTITY

			QUANTITY					
ed								
						A (Accidental)	F (Fugitive)	
nation or Description	Emission Point 1	Emission Point 2	Emission Point 3	Emission Point 4	T (Total) KG/Year	KG/Year	KG/Year	
	0.0	0.0	0.0	0.0	0.0	0.0		0.0

	Please enter all quantities in this section in KGs								
			QUANTI	ΓY					
ed									
nation or Description	Emission Point 1	T (Total) KG/Year	A (Accide	ental) KG/Year	F (Fugitive) KG/Year				
	0 (า	0.0	0.0	0.0				

	Please enter all quantities in	n this section in KGs						
						QUANTITY		
sed								
						A (Accidental)	F (Fugitive)	
nation or Description	Emission Point 1	Emission Point 2	Emission Point 3	Emission Point 4	T (Total) KG/Year	KG/Year	KG/Year	
3284-1:2002	12.6	16.2	21.0	13.2	63.0	0.0		0.0

Designation or Description	Facility Total Capacity m3 per hour	
	N/A	
	0.0 0.0	(Total Flaring Capacity) (Total Utilising Capacity)
	N/A	

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4.2 RELEASES TO WATERS

PRTR# : P0465 | Facility Name : G. Bruss GmbH Dichtungstechnik | Filename : P0465_2017.xls | Return Year : 2017

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

	Please enter all quantities in this section in KGs							
POLLUTANT			QUANTITY					
				Method Used				
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0) 0.	0.0	0.0

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

Link to previous years emissions data

SECTION B : REMAINING PRTR POLLUTANTS

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

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

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

RELEASES TO WATERS					Please enter all quantities in this section in KGs				
POLLUTANT					QUANTITY				
				Method Used					
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year	
					0	.0 0	.0 0.0	0.0	

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

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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

4.3 RELEASES TO WASTEWATER OR SEWER

Link to previous years emissions data

SECTION A : PRTR POLLUTANTS

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER									
	METHOD								
			Method User						
No. Annex II	Name	M/C/E	Method Code	Designation					

* 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	R WASTE-WATER TREATME	NT OR	SEWER		Please enter all quantities	in this section in KGs					
	POLLUTANT				METHOD			QUANTITY				
					Method Used							
Pollutant No.	Name	M/	/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year			
303	BOD	C		OTH	5210 B (BOD5)	3.67	3.67	0.0	0.0			
306	COD	C		CRM	Micro-digestion, Colorimetry	15.22	15.22	0.0	0.0			
					Hexane Extraction &							
314	Fats, Oils and Greases	C		CRM	Gravimetry	1.35	1.35	0.0	0.0			
240	Suspended Solids	C		CRM	Gravimetry	7.47	7.47	0.0	0.0			
	* Soloct a row by double clicking on the Pollutant Name (Column B) the	n aliak the delete button										

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

| PRTR# : P0465 | Facility Name : G. Bruss GmbH Dichtungstechnik | Filename : P0465_2017.xls | R 12/04/2018 15:34

Please enter all quantities in this section in KGs
QUANTITY
an 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

4.4 RELEASES TO LAND

Link to previous years emissions data

PRTR# : P0465 | Facility Name : G. Bruss GmbH Dichtungstechnik | Filename : P0465_2017.xls | Return Year : 2017 | 12/04/2018 15:34

SECTION A : PRTR POLLUTANTS

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

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

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

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5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE | PRTR# : P0465 | Facility Name : G. Bruss GmbH Dichtungstechnik | Filename : P0465_2017.xls | Return Year : 2017 | Please enter all quantities on this sheet in Tonnes

			Please enter a	all quantities on this sheet in Tonnes								
			Quantity (Tonnes per Year)		Waste		Method Used	-	Haz Waste : Name and Licence/Permit No of Next Destination Facility Non Haz Waste Name and Licence/Permit No of Recover/Disposer	<u>Haz Waste</u> : Address of Next Destination Facility <u>Non Haz Waste</u> : 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)
Transfer Destination	European Waste Code	Hazardous		Description of Waste	Treatment Operation	M/C/E	Method Used	Location of Treatment				
To Other Countries	06 02 04	Yes	1.87	sodium and potassium hydroxide	R12	М	Weighed	Abroad	SRCL Ltd,NWCPO-09-01178 02	Kylemore Road,Unit 1 A - Allied Ind Est,Dublin,Dublin 10,Ireland	Umweltservice LINDENSCHMIDT,04 714 98089,Krombacher Straße 42-46,1,Kreuztal- Krombach,57223,Germany	Krombacher Straße 42-46 ,1,Kreuztal- Krombach,57223,Germany
To Other Countries	07 02 08	Yes	4.61	other still bottoms and reaction residues	R12	М	Weighed	Abroad	SRCL Ltd,NWCPO-09-01178 02 Bruscar Bhearna	- Allied Ind Est,Dublin,Dublin 10,Ireland	Recyfuel,0459 735 458,Z.I. Ehein,.,Engis,4480,Belgium	Z.I. Ehein,.,Engis,4480,Belgium
Within the Country	07 02 99	No	226.0	wastes not otherwise specified	R1	М	Weighed	Offsite in Ireland	Teoranta,WL106-2 NWCPO- 08-03604-02	Carowbrowne,Headford Road,Galway,.,Ireland Clonminam Ind.	Enva Ireland Ltd,WO184- 1,Clonminam Ind	Clonminam Ind
Within the Country	13 02 08	Yes	3.8	other engine, gear and lubricating oils absorbents, filter materials (including oil filters not otherwise specified), wiping	R9	М	Weighed	Offsite in Ireland	Enva Ireland Ltd,WO184-1	Est,".",Portlaoise Co Laois,".",Ireland Kylemore Road,Unit 1 A	Estate,,Portlaoise Co. Laois,.,Ireland	Estate,".",Portlaoise Co. Laois,".",Ireland
To Other Countries	15 02 02	Yes	4.07	cloths, protective clothing contaminated by dangerous substances	R12	Μ	Weighed	Abroad	SRCL Ltd,NWCPO-09-01178 02	- Allied Ind Est,Dublin,Dublin 10,Ireland	Recyfuel,0459 735 458,Z.I. Ehein,.,Engis,4480,Belgium AVANTI Waste Management,EPR/XP3038H X.Charley wood	Z.I. Ehein,.,Engis,4480,Belgium Charley wood
To Other Countries	15 01 10	Yes	0.39	packaging containing residues of or contaminated by dangerous substances	R12	М	Weighed	Abroad	SRCL Ltd,NWCPO-09-01178 02	Kylemore Road,Unit 1 A - Allied Ind Est,Dublin,Dublin 10,Ireland Kylemore Road,Unit 1 A	Road,Knowsley Industrial Park,Merseyside,L33 7SG,United Kingdom	Road, Knowsley Industrial Park, Merseyside, L33 7SG, United Kingdom
To Other Countries	16 05 07	Yes	3.0	discarded inorganic chemicals consisting of or containing dangerous substances	R12	М	Weighed	Abroad	SRCL Ltd,NWCPO-09-01178 02	- Allied Ind Est,Dublin,Dublin 10,Ireland	Recyfuel,0459 735 458,Z.I. Ehein,.,Engis,4480,Belgium Umweltservice LINDENSCHMIDT,04 714	Z.I. Ehein,.,Engis,4480,Belgium
To Other Countries	16 05 08	Yes	1.13	discarded organic chemicals consisting of or containing dangerous substances	R12	М	Weighed	Abroad	SRCL Ltd,NWCPO-09-01178 02 Bruscar Bhearna	Kylemore Road,Unit 1 A - Allied Ind Est,Dublin,Dublin 10,Ireland	98089,Krombacher Straße 42-46,1,Kreuztal- Krombach,57223,Germany	Krombacher Straße 42-46 ,1,Kreuztal- Krombach,57223,Germany
Within the Country	17 04 05	No	2.0	iron and steel	R12	С	Volume Calculation	Offsite in Ireland	08-03604-02 Bruscar Bhearna	Road,Galway,.,Ireland		
Within the Country	20 01 01	No	6.3	paper and cardboard	R12	М	Weighed	Offsite in Ireland	Teoranta,WL106-2 NWCPO- 08-03604-02 Bruscar Bhearna Teoranta WL106-2 NWCPO-	Carowbrowne,Headford Road,Galway,.,Ireland		
Within the Country	20 01 08	No	1.5	biodegradable kitchen and canteen waste	R3	E	Weighed	Offsite in Ireland	08-03604-02	Road,Galway,.,Ireland	Umweltservice LINDENSCHMIDT,04 714	
To Other Countries	16 10 01	Yes	0.882	aqueous liquid wastes containing dangerous substances discarded electrical and electronic	R12	Μ	Weighed	Abroad	SRCL Ltd,NWCPO-09-01178 02	Kylemore Road,Unit 1 A - Allied Ind Est,Dublin,Dublin 10,Ireland	98089,Krombacher Straße 42-46 ,1,Kreuztal- Krombach,57223,Germany Electircal Waste Management Site,WFP-DS-	Krombacher Straße 42-46 ,1,Kreuztal- Krombach,57223,Germany
Within the Country	20 01 35	Yes	0.75	equipment other than those mentioned in 20 01 21 and and 20 01 23 containing hazardous components	R4	E	Volume Calculation	Offsite in Ireland	Bruscar Bhearna Teoranta,WL106-2 NWCPO- 08-03604-02 Bruscar Bhearna Teoranta WI 106-2 NWCPO	Carowbrowne,Headford Road,Galway,.,Ireland	09-0012- 01,Greenogue,.,Rathcoole Dublin,NA,Ireland	Greenogue,.,Rathcoole Dublin,NA,Ireland
Within the Country	20 01 39	No	6.2	plastics	R12	М	Weighed	Offsite in Ireland	08-03604-02	Road,Galway,.,Ireland		

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			Quantity (Tonnes per Year)		Wasto		Method Used		Haz Waste : Name and Licence/Permit No of Next Destination Facility Non Haz Waste Name and Licence/Permit No of Recover/Disposer Recover/Disposer	<u>Haz Waste</u> : Address of Next Destination Facility <u>Non Haz Waste</u> : 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)
	European Waste				Treatment			Location of				
Transfer Destination	Code	Hazardous		Description of Waste	Operation	M/C/E	Method Used	Treatment				
									Bruscar Bhearna			
									Teoranta,WL106-2 NWCPO-	Carowbrowne,Headford		
Within the Country	17 04 05	No	2.0	iron and steel	R12	Μ	Weighed	Offsite in Ireland	08-03604-02	Road,Galway,.,Ireland		
									Bruscar Bhearna			
									Teoranta,WL106-2 NWCPO-	Carowbrowne,Headford		
Within the Country	20 03 01	No	161.0	mixed municipal waste	R1	М	Weighed	Offsite in Ireland	08-03604-02	Road, Galway, ., Ireland		

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

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