

**Facility Information 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

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.**

In 2017, Production volume increase 4.8% . 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	Anna Garvey	<u>12.04.2018</u>
<small>(or nominated, suitably qualified and experienced deputy)</small>		



**AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)** Lic No: PD465-01 Year 2017

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

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

Yes	Additional Information
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

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

No	
Yes	External/Internal Lab Quality Assessment of results checklist

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

Emission reference no:	Emission released to	Parameter/ Substance>Note 1	Type of sample	Frequency of monitoring	Averaging period	ELV or trigger values in licence or any revision thereof <sup>Note 2</sup>	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Method of analysis	Procedural reference source	Procedural reference standard number	Annual mass load (kg)	Comments
SE1	Wastewater/Sewer	pH	composite	Monthly	Monthly	6-9	All values < ELV	7.42	pH units	SELECT	pH Meter (Electrode)	APHA / AWWA "Standard Methods"	pH-4500H+ B Electrochemical	Not applicable	
SE1	Wastewater/Sewer	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/Sewer	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/Sewer	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/Sewer	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 EQS for Surface water or relevant receptor quality standards

**Continuous monitoring**

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

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

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

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

No	Additional Information
SELECT	
SELECT	
SELECT	

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

Emission reference no:	Emission released to	Parameter/ Substance	ELV or trigger values in licence or any revision thereof	Averaging Period	Compliance Criteria	Units of measurement	Annual Emission for current reporting year (kg)	% change +/- from previous reporting year	Monitoring Equipment downtime (hours)	Number of ELV exceedences in reporting year	Comments
	SELECT	SELECT		SELECT	SELECT	SELECT					
	SELECT	SELECT		SELECT	SELECT	SELECT					

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

**Table W5: Abatement system bypass reporting table**

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

\*Measures taken or proposed to reduce or limit bypass frequency

**Bund testing**

dropdown menu click to see options

Additional information

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

- 1 Please provide integrity testing frequency period
- 2 Does the site maintain a register of bunds, underground pipelines (including stormwater and foul), Tanks, sumps and containers? (containers refers to "Chemstore" type units and mobile bunds)
- 3 How many bunds are on site?
- 4 How many of these bunds have been tested within the required test schedule?
- 5 How many mobile bunds are on site?
- 6 Are the mobile bunds included in the bund test schedule?
- 7 How many of these mobile bunds have been tested within the required test schedule?
- 8 How many sumps on site are included in the integrity test schedule?
- 9 How many of these sumps are integrity tested within the test schedule?
- 10 **Please list any sump integrity failures in table B1**
- 11 Do all sumps and chambers have high level liquid alarms?
- 12 If yes to Q11 are these failsafe systems included in a maintenance and testing programme?
- 13 Is the Fire Water Retention Pond included in your integrity test programme?

Yes	
3 years	
Yes	
31	
31	
29	
Yes	
29	
0	
0	
SELECT	
SELECT	
SELECT	

**Table B1: Summary details of bund /containment structure integrity test**

Bund/Containment structure ID	Type	Specify Other type	Product containment	Actual capacity (l)	Capacity required*	Type of integrity test	Other test type	Test date	Integrity reports maintained on site?	Results of test	Integrity test failure explanation <50 words	Corrective action taken	Scheduled date for retest	Results of retest(if in current reporting year)
Mobile MB1-27	other (please specify)	Metal	Hydraulic Oils, Non-Flammables	331	0.050 / 0.210	Hydraulic test		11 - 12 Jan 2017	Yes	Pass		SELECT	12/01/2020	
B 30	prefabricated	Sinbgle IBC Closed Unit	Ethylene Glycol	1100	1000	Hydraulic test		11 - 12 Jan 2017	Yes	Pass			12/01/2020	
B 31	Plastic	Waste Oil Tank, Integrated Bund	Waste Oil	2111	2000	Structural assessment		11 - 12 Jan 2017	Yes	Pass			12/01/2020	
Mobile 28, 29	Plastic	2 x IBC	Potassium Hydroxide	1100	1000	Hydraulic test		11 - 12 Jan 2017	Yes	Pass		SELECT	12/01/2020	

\* 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?

- 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?

Commentary	
Yes	
Not applicable	
Not applicable	

**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**

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

Yes	
3 years	

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

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

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

		Comments
1	Are you required to carry out groundwater monitoring as part of your licence requirements?	no
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 <a href="#">Groundwater monitoring template</a> Report (link in cell G8) and submit separately through ALDER as a licensee return AND answer questions 5-12 below.	no
5	Is the contamination related to operations at the facility (either current and/or historic)	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 assessment 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

Please enter interpretation of data here

**Table 1: Upgradient Groundwater monitoring results**

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration++	Average Concentration+	unit	GTV's*	SELECT**	Upward trend in pollutant concentration over last 5 years of monitoring data
							SELECT			SELECT
							SELECT			SELECT

+ where average indicates arithmetic mean  
 ++ maximum concentration indicates the maximum measured concentration from all monitoring results produced during the reporting year

**Table 2: Downgradient Groundwater monitoring results**

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration	Average Concentration	unit	GTV's*	SELECT**	Upward trend in yearly average pollutant concentration over last 5 years of monitoring data
							SELECT			SELECT
							SELECT			SELECT

\*please note exceedance of generic assessment criteria (GAC) such as a Groundwater Threshold Value (GTV) or an Interim Guideline Value (IGV) or an upward trend in results for a substance indicates that further interpretation of monitoring results is required. In addition to completing the above table, please complete the Groundwater Monitoring Guideline Template Report at the link provided and submit separately through ALDER as a licensee return or as otherwise instructed by the EPA. [Groundwater monitoring template](#)

More information on the use of soil and groundwater standards/ generic assessment criteria (GAC) and risk assessment tools is available in the EPA published guidance [Guidance on the Management of Contaminated Land and Groundwater at EPA Licensed Sites \(EPA 2013\)](#), (see the link in G31)

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

**Table 3: Soil results**

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration	Average Concentration	unit
							SELECT
							SELECT

Where additional detail is required please enter it here in 200 words or less

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

			Commentary
1	ELRA initial agreement status	SELECT	No requirement for ELRA on existing Licence
2	ELRA review status	SELECT	BRUSS assessed its environmental Liabilities in accordance with ELRA requirements in 2017. This was undertaken to upgrade Bruss internal procedures to best practice. Findings from this assessment are being incorporated into BRUSS Risk analysis. BRUSS Corp. and site specific environmental Liability insurance is in place at the site and is in compliance with EU Directive 2004/35/EU
3	Amount of Financial Provision cover required as determined by the latest ELRA	Specify	
4	Financial Provision for ELRA status	SELECT	
5	Financial Provision for ELRA - amount of cover	Specify	EUR 20 million Environmental Liability, EUR 10 million Environmental Damage
6	Financial Provision for ELRA - type	SELECT	
7	Financial provision for ELRA 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	

Environmental Management Programme/Continuous Improvement Programme template		Lic No:	P0465-01	Year	2017
Highlighted cells contain dropdown menu click to view		Additional Information			
1	Do you maintain an Environmental Management System (EMS) for the site. If yes, please detail in additional information	Yes	Certified to ISO 14001:2015 TUEV Nord		
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
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 industrial energy efficient wash machines -recycling of wash water 2017 - further investment in washing/polishing systems using water efficiently on site 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 machines. Subject to budget approval 2018, installation on all moulding machines-Analysis of realtime data to inform production scheduling.	Section Head	Improved Environmental Management Practices - reduction in energy consumption

**Noise monitoring summary report** Lic No: P0465-01 Year 2017

- 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 <sub>eq</sub>	LA <sub>90</sub>	LA <sub>10</sub>	LA <sub>max</sub>	Tonal or Impulsive noise* (Y/N)	If tonal /impulsive noise was identified was 5dB penalty applied?	Comments (ex. main noise sources on site, & extraneous noise ex. road traffic)	Is site compliant with noise limits (day/evening/night)?
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 10m. No site noise audible.	Yes
08/08/2017	13.54-14.24	Adjacent No 61 Rathedmond	NSL 1	44	39	49	66	No			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 dominated. Constant dog barking in nearby houses.	Yes
08/08/2017	23.33-00.03	Adjacent No 61 Rathedmond	NSL 1	37	35	38	61	No			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 operating at School. No site noise audible. Very faint noise of cooling towers/fans from site.	No
08/08/2017	15.42-16.12	Boundary at School	NSL 2	64	49	67	84	No			No
08/08/2017	16.14-16.44	Boundary at School	NSL 2	60	48	65	72	No			No
09/08/2018	00.57-01.27	Boundary at School	NSL 2	47	45	48	66	No		Traffic noise audible redirected from N4 - work on water mains	Yes
09/08/2018	01.28-01.58	Boundary at School	NSL 2	46	44	47	66	No			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 towers with Traffic noise N4N15 dominating	Yes
24/11/2016	23.41 - 23.56	S boundary	NML 4	47	45	49	58	No			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 noise from site dominated by constant traffic noise.

Any additional comments? (less than 200 words)



- 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

Additional information	
30.07.2016	
No	
SELECT	Fuel Oil consumption has now been replaced by heat - exchange

Energy Use	Previous year	Current year	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total Energy Used (MWHrs)	7,692.33	7,663.00	4.8+	5.1-
Total Energy Generated (MWHrs)	0	0		
Total Renewable Energy Generated (MWHrs)	0	0		
Electricity Consumption (MWHrs)	7,692.33	7,663.00	4.8+	5.1-
Fossil Fuels Consumption:	0	0		
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		

\* 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	
					Volume Discharged back to environment(m <sup>3</sup> /yr):	Volume used i.e not discharged to environment e.g. released as steam m3/yr	Unaccounted for Water:	
Groundwater	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	0	0

\* 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)	11.6	0.0	6.1	5.4	
Non-Hazardous (Tonnes)	403.0	0.0	387.0	16.0	

Date of audit	Recommendations	Description of Measures proposed	Origin of measures	Predicted energy savings %	Implementation date	Responsibility	Completion date	Status and comments
30.07.2016	Energy Team	Quarterly Meetings	energy audit		May-17	Depart Head Eng.	ongoing	
30.07.2016	Analyse base load	review of interval data	energy audit	54,000Kwh	Jan-17	Depart Head Eng.	Dec-17	
30.07.2016	Energy Awareness Program	Select key low cost opportunities from register of OFI	energy audit		Jul-17	Depart Head Eng.	ongoing	Typical savings of 3% possible
30.07.2016	Reduce weekend load	Shutdown equipment similar to Christmas closing period	energy audit	132,000Kwh	Dec-17	Depart Head Eng.	Dec-17	
30.07.2016	Compressed Air system review	Carry out a formal compressed air leak survey	energy audit	75,000Kwh	Jul-17	Depart Head Eng.	Jul-17	
30.07.2016	Storage Heating for Office space review	Install 7 day timers to avoid weekend use	energy audit	18,720 Kwh	Jul-17	Depart Head Eng.	Dec-17	

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

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



<b>WASTE SUMMARY</b>	Lic No: P0465-01	Year: 2017
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**SECTION A-PRTR ON SITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES** [PRTR facility logon](#) dropdown list click to see options

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

Were any wastes **accepted onto** your site for recovery or disposal or treatment prior to recovery or disposal within the boundaries of your facility?; (waste generated within your boundaries is to be captured through PRTR reporting)  
 1 If yes please enter details in table 1 below

Additional Information	
No	

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

N/A	
-----	--

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

N/A	
-----	--

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

Licensed annual tonnage limit for your site (total tonnes/annum)	EWC code	Source of waste accepted	Description of waste accepted Please enter an accurate and detailed description - which applies to relevant EWC code <a href="#">European Waste Catalogue EWC codes</a>	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 -
	<a href="#">European Waste Catalogue EWC codes</a>										

**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

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	

6 Does your facility have relevant nuisance controls in place?

SELECT	

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 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
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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	



| PRTR# : P0465 | Facility Name : G. Bruss GmbH Dichtungstechnik | Filename : P0465\_2017.xls | Return Year : 2017 |

12/04/2018 15:34

[Guidance to completing the PRTR workbook](#)

# PRTR Returns Workbook

Version 1.1.19

<b>REFERENCE YEAR</b>	2017
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## 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

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
<b>AER Returns Contact Name</b>	Anna Garvey
<b>AER Returns Contact Email Address</b>	annagarvey@bruss.ie
<b>AER Returns Contact Position</b>	Environmental Officer
<b>AER Returns Contact Telephone Number</b>	00353719156342
<b>AER Returns Contact Mobile Phone Number</b>	0863859477
<b>AER Returns Contact Fax Number</b>	00353719169352
<b>Production Volume</b>	0.0
<b>Production Volume Units</b>	
<b>Number of Installations</b>	1
<b>Number of Operating Hours in Year</b>	6000
<b>Number of Employees</b>	285
<b>User Feedback/Comments</b>	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.
<b>Web Address</b>	www.bruss.de

## 2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
50.1	General
4(a)	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 (polymers, s

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

Is it applicable?	No
Have you been granted an exemption ?	No
If applicable which activity class applies (as per Schedule 2 of the regulations) ?	
Is the reduction scheme compliance route being used ?	

## 4. WASTE IMPORTED/ACCEPTED ONTO SITE

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

Do you import/accept waste onto your site for on-site treatment (either recovery or disposal activities) ?	No
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This question is only applicable if you are an IPPC or Quarry site

4.1 RELEASES TO AIR

[Link to previous years emissions data](#)

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SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

POLLUTANT		METHOD			Please enter all quantities in this section in KGs				QUANTITY		
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	Emission Point 2	Emission Point 3	Emission Point 4	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

SECTION B : REMAINING PRTR POLLUTANTS

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

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

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

POLLUTANT		METHOD			Please enter all quantities in this section in KGs				QUANTITY		
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	Emission Point 2	Emission Point 3	Emission Point 4	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
244	Total Particulates	C	CRM	EN 13284-1:2002	12.6	16.2	21.0	13.2	63.0	0.0	0.0

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

Additional Data Requested from Landfill operators

For the purposes of the National Inventory on Greenhouse Gases, landfill operators are requested to provide summary data on landfill gas (Methane) flared or utilised on their facilities to accompany the figures for total methane generated. Operators should only report their Net methane (CH4) emission to the environment under T(total) KG/yr for Section A: Sector specific PRTR pollutants above. Please complete the table below:

Landfill: G. Bruss GmbH Dichtungstechnik

Please enter summary data on the quantities of methane flared and / or utilised	T (Total) kg/Year	M/C/E	Method Used		Facility Total Capacity m3 per hour
			Method Code	Designation or Description	
Total estimated methane generation (as per site model)	0.0				N/A
Methane flared	0.0				0.0 (Total Flaring Capacity)
Methane utilised in engine/s	0.0				0.0 (Total Utilising Capacity)
Net methane emission (as reported in Section A above)	0.0				N/A

4.2 RELEASES TO WATERS

[Link to previous years emissions data](#)

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SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

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

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

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

SECTION B : REMAINING PRTR POLLUTANTS

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

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

4.3 RELEASES TO WASTEWATER OR SEWER

[Link to previous years emissions data](#)

| PRTR# : P0465 | Facility Name : G. Bruss GmbH Dichtungstechnik | Filename : P0465\_2017.xls | R 12/04/2018 15:34

SECTION A : PRTR POLLUTANTS

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

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

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

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD			QUANTITY			
Pollutant No.	Name	M/C/E	Method Used		Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
			Method Code	Designation or Description				
303	BOD	C	OTH	5210 B (BOD5)	3.67	3.67	0.0	0.0
306	COD	C	CRM	Micro-digestion, Colorimetry Hexane Extraction & Gravimetry	15.22	15.22	0.0	0.0
314	Fats, Oils and Greases	C	CRM	Gravimetry	1.35	1.35	0.0	0.0
240	<b>Suspended Solids</b>	C	CRM	Gravimetry	7.47	7.47	0.0	0.0

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

4.4 RELEASES TO LAND

[Link to previous years emissions data](#)

| PRTR# : P0465 | Facility Name : G. Bruss GmbH Dichtungstechnik | Filename : P0465\_2017.xls | Return Year : 2017 |

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**SECTION A : PRTR POLLUTANTS**

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

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

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

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

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



5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

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Please enter all quantities on this sheet in Tonnes

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Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz Waste : Name and Licence/Permit No of Next Destination Facility	Haz Waste : Name and Licence/Permit No of Recover/Disposer	Haz Waste : Address of Next Destination Facility	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)
						Non	Non Haz Waste: Address of Recover/Disposer		Non Haz Waste: Address of Recover/Disposer				
To Other Countries	06 02 04	Yes	1.87	sodium and potassium hydroxide	R12	M	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	M	Weighed	Abroad	SRCL Ltd,NWCPO-09-01178-02		Kylemore Road,Unit 1 A 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	M	Weighed	Offsite in Ireland	Teoranta,WL106-2 NWCPO-08-03604-02		Carowbrowne,Headford Road,Galway,,Ireland	Enva Ireland Ltd,WO184-1,Clonminam Ind Estate,,Portlaoise Co. Laois,,Ireland	Clonminam Ind Estate,,Portlaoise Co. Laois,,Ireland
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 cloths, protective clothing contaminated by	R9	M	Weighed	Offsite in Ireland	Enva Ireland Ltd,WO184-1		Clonminam Ind. Est,,"",Portlaoise Co Laois,,"",Ireland	Enva Ireland Ltd,WO184-1,Clonminam Ind Estate,,Portlaoise Co. Laois,,Ireland	Clonminam Ind Estate,,"",Portlaoise Co. Laois,,"",Ireland
To Other Countries	15 02 02	Yes	4.07	dangerous substances	R12	M	Weighed	Abroad	SRCL Ltd,NWCPO-09-01178-02		Kylemore Road,Unit 1 A Allied Ind Est,Dublin,Dublin 10,Ireland	Recyfuel,0459 735 458,Z.I. Ehein,,Engis,4480,Belgium	Z.I. Ehein,,Engis,4480,Belgium
To Other Countries	15 01 10	Yes	0.39	packaging containing residues of or contaminated by dangerous substances	R12	M	Weighed	Abroad	SRCL Ltd,NWCPO-09-01178-02		Kylemore Road,Unit 1 A Allied Ind Est,Dublin,Dublin 10,Ireland	AVANTI Waste Management,EPR/XP3038H X,Charley wood Road,Knowsley Industrial Park,Merseyside,L33 7SG,United Kingdom	Charley wood 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	M	Weighed	Abroad	SRCL Ltd,NWCPO-09-01178-02		Kylemore Road,Unit 1 A Allied Ind Est,Dublin,Dublin 10,Ireland	Recyfuel,0459 735 458,Z.I. Ehein,,Engis,4480,Belgium	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	M	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
Within the Country	17 04 05	No	2.0	iron and steel	R12	C	Volume Calculation	Offsite in Ireland	Teoranta,WL106-2 NWCPO-08-03604-02		Carowbrowne,Headford Road,Galway,,Ireland		
Within the Country	20 01 01	No	6.3	paper and cardboard	R12	M	Weighed	Offsite in Ireland	Teoranta,WL106-2 NWCPO-08-03604-02		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	Teoranta,WL106-2 NWCPO-08-03604-02		Carowbrowne,Headford Road,Galway,,Ireland		
To Other Countries	16 10 01	Yes	0.882	aqueous liquid wastes containing dangerous substances	R12	M	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
Within the Country	20 01 35	Yes	0.75	discarded electrical and electronic 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		Carowbrowne,Headford Road,Galway,,Ireland	Electrical Waste Management Site,WFP-DS-09-0012-01,Greenogue,,Rathcoole Dublin,NA,Ireland	Greenogue,,Rathcoole Dublin,NA,Ireland
Within the Country	20 01 39	No	6.2	plastics	R12	M	Weighed	Offsite in Ireland	Bruscar Bhearna Teoranta,WL106-2 NWCPO-08-03604-02		Carowbrowne,Headford Road,Galway,,Ireland		

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz Waste : Name and Licence/Permit No of Next Destination Facility Non-Haz Waste: Name and Licence/Permit No of Recover/Disposer	Haz Waste : Address of Next Destination Facility Non-Haz Waste: Address of Recover/Disposer	Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
						M/C/E	Method Used					
Within the Country	17 04 05	No	2.0	iron and steel	R12	M	Weighed	Offsite in Ireland	Bruscar Bhearna Teoranta,WL106-2 NWCP0-08-03604-02	Carowbrowne,Headford Road,Galway,,Ireland		
Within the Country	20 03 01	No	161.0	mixed municipal waste	R1	M	Weighed	Offsite in Ireland	Bruscar Bhearna Teoranta,WL106-2 NWCP0-08-03604-02	Carowbrowne,Headford 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](#)