

Facility Information Summary	
AER Reporting Year	2012
Licence Register Number	P0465-01
Name of site	G. Bruss GmbH
Site Location	Finisklin Road, Sligo, Ireland
NACE Code	2030
Class/Classes of Activity	Manufacturer of paints, varnishes, similar coatings, printing inks
National Grid Reference (6E, 6 N)	8.48457 54.2745
<p>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 <b>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.</b></p>	<p>Monitoring: Emissions during 2012 were found to be compliant. No complaints were received during 2012.</p> <p>Recycling: Recycling of daily consumables has increased considerably. All cardboard, plastic, food waste is continuously being recycled.</p> <p>Energy Reduction: An energy Consumption study was performed during 2012. Results showed potential savings in many arears. Recommendations are being processed and implemented during 2013.</p>

**Declaration:**

All the data and information presented in this report has been checked and certified as being accurate. The quality of the information is assured to meet licence requirements.

A.Pawlowski	12.04.2013
Signature	Date
Group/Facility manager	
(or nominated, suitably qualified and experienced deputy)	



<b>AIR-summary template</b>	Lic No: P0465-01	Year: 2012
Answer all questions and complete all tables where relevant		

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

Additional information	
Yes	

<b>Periodic/Non-Continuous Monitoring</b>
-------------------------------------------

- 2 Are there any results in breach of licence requirements? If yes please provide brief details in the comment section of TableA1 below
- 3 Was all monitoring carried out in accordance with EPA guidance note AG2 and using the basic air monitoring checklist? [Basic air monitoring checklist](#) [AGN2](#)

No	
Yes	

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

Emission reference no:	Parameter/ Substance	Frequency of Monitoring	ELV in licence or any revision thereof	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence limit	Method of analysis	Annual mass load (kg)	Comments - reason for change in % mass load from previous year if applicable
ESP2,3,4,8	PM10	16.11.2012	150mg/m3<0.5kg/hr; 50mg/m3>0.5kg/hr	100 % of values < ELV	64.24	mg/m3	yes	CRM	256.96	-36%
ESP2,3,4,8	volumetric flow	16.11.2012	not applicable	SELECT	2260	Nm3/hour	yes	CRM	256.96	-36%
	SELECT			SELECT		SELECT	SELECT	SELECT		
	SELECT			SELECT		SELECT	SELECT	SELECT		

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



<b>AIR-summary template</b>	Lic No:	P0465-01	Year	2012
<b>Continuous Monitoring</b>				

4 Does your site carry out continuous air emissions monitoring?

If yes please review your continuous monitoring data and report the required fields below in Table 3 and compare it to its relevant Emission Limit Value (ELV)

5 Did continuous monitoring equipment experience downtime? If yes please record downtime in table 3 below

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

7 Did your site experience any abatement system bypasses? If yes please detail them in table 4 below

**Table A2: Summary of average emissions -continuous monitoring**

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

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

**Table A3: Abatement system bypass reporting table**

[Bypass protocol](#)

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

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

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

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## AER Monitoring returns summary template WATER/WASTEWATER/SEWER

Lic No: P045-01 Additional information

Year 2012

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 surface water analysis and visual inspections

Was there 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	
SELECT	

## Table W1 Surface water monitoring

Location reference	Location relative to site activities	PRTR Parameter	Licensed Parameter	Monitoring date	ELV or trigger level in licence or any revision thereof*	Licence compliance criteria	Measured value	Unit of measurement	Compliant with licence	Comments
SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT

\*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	SELECT	SELECT	SELECT	SELECT

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

Was there any result in breach of licence requirements? If yes please provide brief details in the comment section of Table W3 below

No	Additional information
SELECT	

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

External/Internal Lab Quality Assessment of results: checklists

Assessment of results: checklists

Assessment of results: checklists

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

Emission reference no.	Parameter/ Subparameter 1	Type of sample	Frequency of monitoring	Averaging period	ELV or trigger values in licence or any revision thereof*	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	BOD	composite	31.12.2012	Monthly	200	All values < ELV	25.4	mg/L	yes	STRUMENTAL METHO	LS (fish Standard)	52108 (BOD)	8404
		CCO	composite	31.12.2012	Monthly	500	All values < ELV	79	mg/L	yes	STRUMENTAL METHO	LS (fish Standard)	52108 (BOD)	26557
		Fats, Oils and Greases	composite	31.12.2012	Monthly	15	All values < ELV	2.3	mg/L	yes	STRUMENTAL METHO	LS (fish Standard)	52108 (BOD)	786

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 EDS for surface water or relevant receptor quality standards



## Continuous monitoring

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)

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

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

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

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

Emission reference no.	Emission released to	Parameter/ Substance	ELV or trigger values in license or any revision thereof	Averaging Period	Compliance Criteria	Units of measurement	Annual Emission for current reporting year (tE)	% change +/- from previous reporting year	Monitoring Equipment (downtime, hours)	Number of ELV exceedances in reporting year	Comments
SELECT	SELECT	SELECT		SELECT	SELECT	SELECT					
SELECT	SELECT	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	Resistant emissions	Reason for bypass	Corrective action*	Was a report submitted to the EPA?	When was last report submitted?
					SELECT	

Measures taken or proposed to reduce or limit bypass frequency

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

[illegible]



**Bund testing**

dropdown menu click to see options on bunds and containment structures

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

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 3 type units and mobile bunds")

4. How many bunds are on site?

5 How many of these bunds have been tested with the required test schedule?

7 Are the mobile bunds included in the bund test schedule?

9 How many surps on site are included in the integrity test

10 How many of these sums are integrity tested within the test schedule?  
Please list any sums 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

Table B1: Summary details of bund/e

[illegible]

Downloaded from <http://ajph.org/> on November 10, 2014

Yes	
3 years	
Yes	
3	
3	3
22	22
Yes	Part of Preventive Maintenance
22	Due 2015
N/A	
N/A	
SELECT	

Type of integrity test	Online test type	Test dates	Integrity reports maintained on	Results of test	Integrity test failure explanation -50 words	Corrective action taken	Scheduled date (or next)	Results of research in reporting (and
Integrity test		14.1.2012	Yes	Pass		SELECT		
Integrity test		16.01.2012	Yes	Pass		SELECT		
Integrity test		16.01.2012	Yes	Pass		SELECT		
Commentary								
Yes								
SELECT								
SELECT								

SELLER	
BUYER	

### Pipeline/underground structure testing

**1 underground structures and pipelines on site which failed the integrity test**

2. Please provide integrity testing frequency period

[illegible]

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



## Groundwater/Soil monitoring template

Lic No:

P0465-01

Year

2012

- 1 Are you required to carry out groundwater monitoring as part of your licence requirements?
- 2 Are you required to carry out soil monitoring as part of your licence requirements?
- 3 Do you extract groundwater for use on site? If yes please specify use in comment section
- 4 Is there contaminated land and /or groundwater on site? If yes please answer q's 5-12
- 5 Is the contamination related to operations at the facility (either current and/or historic)
- 6 Have actions been taken to address contamination issues? If yes please summarise remediation strategies proposed/undertaken for the site
- 7 Please specify the proposed time frame for the remediation strategy
- 8 Is there a licence condition to carry out/update ELRA for the site?
- 9 Has any type of risk assessment been carried out for the site?
- 10 Has a Conceptual Site Model been developed for the site?
- 11 Have potential receptors been identified on and off site?
- 12 Is there evidence that contamination is migrating offsite?

## Comments

no	
no	
no	
no	
SELECT	
SELECT	
SELECT	
SELECT	
yes	Initial Env. Review
SELECT	
yes	IEWE River Basin
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*	SELECT**	% change in average concentration previous year +/-	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**	% change in average concentration previous year +/-	Upward trend in yearly average pollutant concentration over last 5 years of monitoring data
							SELECT				SELECT
							SELECT				SELECT

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

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

Groundwater regulations  
Surface water EQS  
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

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- 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	
2012	
SEAI - LEAP	
INDUSTRIAL ENERGY NETWORK (IEN)	no
yes	

Table B1 Energy usage on site

Energy Use	Previous year	Current year	Production +/- % compared to previous reporting year**	Energy Consumption +/- %
Total Energy Used (MWh/yr)	8917612	8781132	-2%	
Total Energy Generated (MWh/yr)	0	0		
Total Renewable Energy Generated (MWh/yr)	0	0		
Electricity Consumption (MWh/yr)	8917612	8781132		
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)				
Light Fuel Oil (m3)				
Natural Gas (GJ/yr)				
Coal/Solid fuel (metric tonnes)				
Peat (metric tonnes)				
Renewable Biomass				
Renewable energy generated on site				

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

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

Table B2 Water usage on site

Water Emissions		Water Consumption	
Water use	Water extracted Previous year m3/yr.	Production +/- % compared to previous reporting year**	Volume Discharged to environment (m3/yr)
Water use			
Groundwater			
Surface water			
Public supply	2046	225	
Recycled water			
Total			

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

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

Table B3 Waste Stream Summary

	Total	Landfill	Incineration	Recycled	Other
Hazardous (Tonnes)	14.23		5.13	9.1	
Non-Hazardous (Tonnes)	472.05	176.3		295.95	1.8

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Resource Usage/Energy efficiency summary	Lic No: PD465-01	Year: 2012
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Table R4: Energy Audit finding recommendations								
Date of audit	Recommendations	Description of Measures proposed	Origin of measures	Predicted energy savings %	Implementation date	Responsibility	Completion date	Status and comments
	1. New Ovens - 50% energy reduction 2. Heat Exchangers 3. Inverter drives	Baseline Energy Consumption per Equipment established						
2012	4. New cooling Towers		SELECT	3%	2012-2013	John James	2013	
			SELECT					
			SELECT					

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

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

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## 2012

Additional information

Total new complaints received during reporting year	Total complaints closed during reporting year	Balance of complaints end of reporting year
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**Additional information**

**SELL**

What is an incident?

[illegible]



<b>WASTE SUMMARY</b>	Lic No:	P0465-01	Year	2012
<b>SECTION A-PRTR ON SITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES</b>		PRTR facility login	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

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

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

**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)	EWG code	Source of waste accepted	Description of waste accepted <small>Please enter an accurate and detailed description - which European Waste Catalogue EWC codes</small>	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 (%) <small>only applies if the waste has a packaging component</small>	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 -
	<small>European Waste Catalogue EWC codes</small>		<small>European Waste Catalogue EWC codes</small>								

**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 on site

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													



WASTE SUMMARY		Lic No:	P0465-01	Year	2012
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**Table 4 Environmental monitoring-landfill only** Landfill Manual-Monitoring Standards

Was meteorological monitoring in compliance with Landfill Directive (LD) standard in reporting year?	Was leachate monitored in compliance with LD standard in reporting year	Was Landfill Gas monitored in compliance with LD standard in reporting year	Was SW monitored in compliance with LD standard in reporting year	Have G-W 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 NS3(A)(5) of WMA been submitted in reporting year	Comments

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

**Table 5 Capping-Landfill only**

Area uncapped*	Area with temporary cap	Area with final cap to LD Standard m2 ha, a	Area capped other	Area with waste that should be permanently capped to date under licence	What materials are used in the cap	Comments
SELECT UNIT	SELECT UNIT					

\*please note this includes daily cover area

**Table 6 Leachate-Landfill only**

9 Is leachate from your site treated in a Waste Water Treatment Plant?

SELECT  
SELECT

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

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


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

**Table 7 Landfill Gas-Landfill only**

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

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 <b>Work Instruction</b>	REFERENCE: ENGI 059
	PAGE: 1 of 1
	RELEASED: JMJ
<b>ESP Unit Maintenance</b>	REV: 01
WRITTEN BY: ENG	DATE: 17/12/13

### 1.0 Purpose

The purpose of this instruction is to detail safe working practice for Electro Static Precipitation filter changing on the tempering ovens.

### 2.0 Scope

This instruction applies to the Maintenance Department.

### 3.0 Responsibility

It is the responsibility of the Maintenance Manager to ensure compliance with this instruction.

### 4.0 Instruction

PPE : Ear plugs, gloves, safety shoes and half face mask (respirator), safety glasses, hard hat and white disposable overalls.

- Use pallet or fork truck to transport filters in gitter box.
- Fork truck/Cherry picker to be used when lifting filters up to platform (licensed drivers only)
- Ensure ladders are in good condition, unpainted and free from oil and grease. Ensure correct positioning of ladder and lash at the top of platform. Only 1 person on the ladder at any time.
- Put signage on oven isolator indicating Maintenance in Progress and Do Not switch on. Lock out oven if appropriate.
- Always Earth across fins on cell unit before commencing work to avoid static.
- Any mains power tools to be 110 volts.
- Manual handling : Always lift as instructed in your MH course.  
Never lift heavy objects – always seek help.  
Always use mechanical aids provided.

#### Revision History

Date	WI Revision	Addition or amendment	Amendment by
11/12/06	0	First Draft	JJ
17.12.13	01	review	AG