

**JOHN ENGLISH**

*(WOODFARM FENCING SUPPLIES LTD)*

**ANNUAL ENVIRONMENTAL REPORT 2014**

**IPC Reg. No. P0352-01**

**March 2015**

## INTRODUCTION

John English operates a wood processing and timber treatment plant at Clonbrock, Co. Galway. The plant is trading as Woodfarm Fencing Supplies Ltd and is under the operational control of Managing Director Jason English, son of John English. John and his wife Mary English are also directors of the company. The IPC license requirements are managed by Jane English (daughter of John) who is Environmental Manager at the plant.

In 2014 the plant produced approximately 300 tones per week of treated fencing posts. The plant operates from 8.30 hrs to 18.00 hrs, five days per week. Woodfarm Fencing Supplies Ltd employs 14 full time staff from the locality.

The sawmill is equipped with a number of saws, a de-barker and a pointer. The plant uses Osmose Celcure AC-500 for the treatment of timber on site. Currently there are two treatment vessels installed, each with a capacity of 18.6 m<sup>3</sup>. These treatment vessels are supplied by a number of tanks for the storage and mixing tanks. One of the treatment vessels is self-bunded, while the second treatment vessel and storage tanks rely on the bunding capacity of the building. The total bund capacity of this 460 m<sup>2</sup> building is 30.2 m<sup>3</sup>. This excludes the self-bunded treatment vessel.

This building was constructed as a specific requirement of the IPC license. Treated timber is stored indoors for at least 48hours, (dependant on weather conditions) before being placed on a concrete yard.

## EMISSIONS DATA

### Waste management

#### Solid Waste Produced in 2014

Waste Material	EWC Code	Amount kg	Waste Contractor
General Waste	20 03 01	3,000	East Galway Waste Disposal Walsh Waste
Treatment Plant Sludge	03 02 04	0	Indaver Ireland
Metal Waste	20 01 40	3900	The Hammond Lane Metal Co. Ltd

#### Water usage

Rainwater used for treatment plant. The facility now has a 55m<sup>3</sup> storage facility for rainwater.

#### Environmental incidents and complaints

None reported in 2014.

#### Spending on Environmental Protection, 2014

Company time devoted to environmental management and improvements	10,000
Environmental Consultants , Laboratory Analysis, Bund Testing	3137
General Waste disposal	457
E.P.A. Charge	3,139
<b>Total</b>	<b>€16,733</b>

## SCHEDULE OF OBJECTIVES & TARGETS 2015

### **1. Objective**

Maintain an Environmental Management System for the Site

#### **Target**

Maintain a working EMS system to the satisfaction of the EPA. Revise existing EMS and relevant documents.

#### **Responsibility**

Jane English, Environmental Manager, will have responsibility for meeting this objective.

### **2. Objective**

Assess all operations and review all practicable options for the use of cleaner technology, cleaner production and reduction and minimisation of waste. To initiate waste reduction projects where practicable.

#### **Target**

Identify opportunities for cleaner production and prepare programs to avail of such opportunities.

#### **Responsibility**

Jane English, Environmental Manager, will have responsibility for meeting this objective

### **3. Objective**

To demonstrate that all bunded structures and tanks on-site are water tight and resistant to penetration by materials stored therein.

#### **Target**

To carry out integrity tests on all bunds and report findings to EPA every three years.

#### **Responsibility**

Jane English, Environmental Manager, will have responsibility for meeting this objective

**4. Objective**

To ensure all treated timber is stored on impermeable surfaces.

**Target**

To ensure all treated timber is stored on impermeable surfaces to ensure ground water is protected from contamination

**Responsibility**

Jane English, Environmental Manager, will have responsibility for meeting this objective

**5. Objective**

To monitor the environment surrounding the plant for potential pollutants arising from the manufacturing activity and to take corrective action should such pollutants be detected.

**Target**

To monitor groundwater and surface water for contamination on site, in accordance with EPA requirements

**Responsibility**

Jane English, Environmental Manager, will have responsibility for meeting this objective

# Environmental Management Programme 2014

Project 1/2014

Environmental Management System (EMS).

**Relationship to objectives and targets:**

This is in line with John English EMP objective number 1.

**Reason for undertaking project:**

The maintenance of an EMS is necessary to fulfil Conditions 2.1 to 2.7 of the John English's IPC licence. It is also company policy to operate an Environmental Management System

**Target:**

Complete revision of Environmental Management System

**Project Summary:**

- Compliance of 48 hour rule was highlighted
- Fuel and chemical handling procedures were included in the EMS
- Environmental management documentation system and files were maintained and updated
- Method statements were added to EMS so that representative samples are always collected - no matter who collects them
- Signage was put in place in treatment area re 48 hour procedure
- Public information file was maintained
- Environmental reports were maintained

**Designation of Responsibility:**

Jane English was responsible for implementation of this project.

**Time Frame:**

The above EMS was completely revised and updated as described above and was returned to the EPA online on 30/08/2014. The same return included pictures taken to show environmental signs in place in the yard.

Training documents were returned online on 05/09/2014

**Project 2/2014****Groundwater and surface watering monitoring on site.**

Relationship to objectives and targets:	This project is in line with John English's EMP Objective number 5, To monitor groundwater and surface water for contamination.
Reason for undertaking project:	This project is specifically required under condition 8.3.1 of the IPC licence.
Target:	To carry out annual monitoring groundwater and surface water on site
Project Summary:	Carry out annual surface and groundwater monitoring onsite and submit results to EPA
Designation of Responsibility:	Jane English, Environmental Manager
Time Frame:	Groundwater and Surface Water Quality Monitoring was sampled in June 2014 in response to EPA Letter dated 15 May 2014.  (The reports were submitted online to the EPA in August 2014.)

Relationship to objectives and targets:	This is in line with John English EMP objective number 1 and 5
Reason for undertaking project:	This project is specifically required under condition 8.3.1 of the IPC licence.
Target:	Manage treatment plant sludge so that it does not impact on the local environment
Project Summary:	All treatment plant sludge was stored in bunded areas in clearly labelled drums. No sludge was sent away in 2014 - waiting to fill barrel - will be sent next couple months
Designation of Responsibility:	Jane English, Environmental Manager
Time Frame:	Continuous



<b>Project 4/2014</b>	<b>Establish record keeping inspection of leaks from flanges and valves on pipes and equipment associated with treatment plant.</b>
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Relationship to objectives and targets: This is in line with John English 2005 EMP objective number 2.

Reason for undertaking project: This project is specifically required under condition 8.4.8 of the IPC licence.

Target: To inspect for leaks on all flanges and valves on overground pipes carrying preservative. To repair these leaks and to record such maintenance.

Project Summary: A record of flanges and valves was maintained on a weekly basis and any leaks were recorded. Repairs of such leaks were carried out and documents maintained.

Designation of Responsibility: Jane English, Environmental Manager

Time Frame: Continuous

## 2014 ENVIRONMENTAL MANAGEMENT PROGRAMME REPORT

Project 1/2014

### **Establish an Environmental Management System (EMS).**

Progress: Jane English has in operation an environmental management documentation system. This includes incident and corrective action procedures, awareness and training programme, a complaints procedure, an emergency response procedure and a programme for public information.

In the last year John English/Woodfarm Fencing Supplies Ltd endeavoured to meet all of their IPC requirements and to implement their environmental management programmes.

Project 2/2014

### **To carry out annual monitoring of groundwater and surface water on site**

Progress: Hydrogeological Investigation Report re Technical Amendment A was submitted to the EPA through ALDER on 04/12/2013.

Sampling to be carried out in 2014 after second borehole is complete

Project 3/2014

### **Management of treatment plant sludge**

Progress; Treatment plant sludge was stored in 210L clearly labelled steel combi drums.

Project 4/2014

### **Establish record keeping inspection of leaks from flanges and valves on pipes and equipment associated with treatment plant**

Progress; A list of all flanges and valves on over ground pipes carrying wood treatment solution has been prepared

A plant inspection and maintenance record sheet/folder is completed on a weekly basis and is kept up to date. Any leaks/maintenance is acted on immediately and repaired.

We maintain records of the annual external plant programme and record any maintenance.

# Environmental Management Programme 2015

<b>Project 1/2015</b>	<b>To continue to develop an Environmental Management System (EMS).</b>
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Relationship to objectives and targets: This is in line with John English EMP objective number 1.

Reason for undertaking project: The maintenance of an EMS is necessary to fulfil Conditions 2.1 to 2.7 of the John English's IPC licence

It is also company policy to operate an environmental management system.

Target: Awareness of Environmental Management System.

Project Summary:

- Training of staff with regard to the environment to be carried out 2015
- Maintain & update environmental management documentation system and files
- Maintain public information file
- Prepare annual environmental reports

Designation of Responsibility: Jane English is responsible for implementation of this project.

Time Frame:

Continuous

**Project 2/2015****Groundwater and surface watering monitoring on site.**

Relationship to objectives and targets:	This project is in line with John English's EMP Objective number 5, To monitor groundwater and surface water for contamination.
Reason for undertaking project:	This project is specifically required under condition 8.3.1 of the IPC licence.
Target:	To carry out annual monitoring groundwater and surface water on site using the recommendations/parameters of the Hydrogeological Investigation Report Nov 2013  Second borehole and oil interceptor to be installed onsite
Project Summary:	Carry out annual surface and groundwater monitoring on site in accordance with EPA requirements and submit results to EPA Monitoring to take place after borehole is complete.
Designation of Responsibility:	Jane English is responsible for implementation of this project.
Time Frame:	31/12/2015

**Project 3/2015****Management of treatment plant sludge**

Relationship to objectives and targets:	This is in line with John English 2005 EMP objective number 1 and 5.
Reason for undertaking project:	This project is specifically required under condition 8.3.1 the IPC licence
Target:	Manage treatment plant sludge so that it does not impact on the local environment.
Project Summary:	<p>Ensure that all treatment plant sludge will be stored in bunded areas in clearly labelled drums.</p> <p>Ship offsite all stored treatment plant sludge to permitted waste contractor</p>
Designation of Responsibility:	Jane English, Environmental Manager
Time Frame:	Progress will be reported in AER 2015

<b>Project 4/2015.</b>	<b>Maintain record keeping inspection of leaks from flanges and valves on pipes and equipment associated with treatment plant.</b>
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Relationship to objectives and targets:

This is in line with John English EMP objective number 2.

Reason for undertaking project:

This project is specifically required under condition 8.4.8 of the IPC licence.

Target:

To inspect for leaks on all flanges and valves on over ground pipes carrying treatment solution. To repair these leaks and to record such maintenance.

Project Summary:

Maintain inspection records of flanges and valves on a weekly basis and record any leaks.

Follow up with repairs of such leaks and document maintenance.

Designation of Responsibility:

Jane English, Environmental Manager

Time Frame:

Progress will be reported in AER 2015

Relationship to objectives and targets:	This is in line with John English EMP objective number 5
Reason for undertaking project:	This project is specifically required under condition 8.4.3 of the IPC licence which requires that the licensee shall test the integrity and water tightness of all the bunded structures every three years.
Target:	<p>To demonstrate that all bunded structures on-site are water tight and resistant to penetration by any materials stored therein.</p> <p>A robust integrity test on bunded shed, sump, surrounding concrete apron and any construction joints to be carried out and report submitting to the EPA by end year 2015</p> <p>Investigation into foaming and leakage around self-bunded pressure vessel door to be carried out to find out if this leakage is a normal part of running process or if it can be eliminated - if the latter is possible then maintenance works to be carried out to prevent this leakage. This project to be completed by end 2015.</p>
Project Summary:	<p>Carry out robust integrity test on bunded shed by end year 2015</p> <p>Carry out investigation/maintenance works if possible on self-bunded vessel door by end year 2015</p>
Designation of Responsibility:	Jane English, Environmental Manager
Time Frame:	Progress will be reported in AER 2015







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Client :	Peter Conroy PGeo., MSc, Hydrogeologist Shantraud Killaloe Co. Clare	Report No. :	230744
		Date of Receipt :	16/06/2014
		Start Date of Analysis :	16/06/2014
		Date of Report :	09/07/2014
		Order Number :	
		Sample taken by :	Client

**CERTIFICATE OF ANALYSIS**

Lab No	Sample Description	Test	Result	Units
523546	1053-BH01. 16/06/14	pH	6.9	pH Units
		Conductivity @20C	681	uS/cm
		Alkalinity, total	392	mg/l CaCO3
		Total Phosphorus as P	0.96	mg/l
		Chloride	17.3	mg/l
		Nitrate as NO3	0.528	mg/l
		Nitrite as NO2	<0.017	mg/l
		Sodium, dissolved	12	mg/l
		Calcium, dissolved	172	mg/l Ca
		Faecal Coliforms (Filtration)	< 1	cfu/100ml
		Sulphate	<5	mg/l
		Pesticides (OCP)	gamma-HCH 823 ng/l, alpha-HCH 15ng/l	ng/l
		Orthophosphate as PO4-P	<0.01	mg/l
		Ammonia as N	0.178	mg/l
		Propiconazole & Tebuconazole in waters	< 0.10	ug/l
		Iron, dissolved	4479	ug/l
		Manganese, dissolved	2341	ug/l
		Copper, dissolved	<1	ug/l
		Chromium, dissolved	3	ug/l
		Arsenic, dissolved	17	ug/l
		Magnesium, dissolved	10	mg/l
		Potassium, dissolved	10	mg/l
		Boron, dissolved	710	ug/l
		Benzalkonium chloride (8001-54-5)	< 10.0	ug/l
		TRC Water (CS-C12) by GC-FID	135	ug/l
		TOC	6.07	mg/l
		Total Coliforms (Filtration) (Environmental Waters)	0	cfu/100ml
		Extractable Hydrocarbons Water (CS-C40, Diesel Range and Lube Oil) by GC-FID	853 * Unknown Pattern	ug/l

\* Note: The comment expressed here is an interpretation and is not INAB accredited.



Approved by:

*Rita McGrath*

**Rita McGrath**  
 Environmental Scientist

See page 2 for test specifications and accreditation status  
 This report only relates to items tested and shall not be reproduced but in full with the permission of Complete Laboratory Solutions.

Test	Specification	Subcontracted	CLS 17025 Status	Sub 17025 Status
Total Phosphorus as P	CLS 151	No	Yes	No
Total Coliforms (Filtration) (Environmental Waters)	CLS 16	No	No	No
TOC	CLS 150	No	Yes	No
Sulphate	Konelab CLS 88	No	Yes	No
Sodium, dissolved	ICP-MS CLS129	No	Yes	No
Propiconazole & Tebuconazole in waters	Triazole fungicides by GCMS, (Reporting limit: 0.02-0.5ug/l)	Yes	No	No
PBO Water (CS-C12) by GC-FID	CLS 148	No	Yes	No
Potassium, dissolved	ICP-MS CLS129	No	Yes	No
pH	CLS 26	No	Yes	No
Pesticides (OCP)	GC	Yes	No	Yes
Orthophosphate as PO4-P	Konelab CLS 35	No	Yes	No
Nitrite as NO2	Konelab CLS 37	No	Yes	No
Nitrate as NO3	Konelab CLS 39	No	Yes	No
Manganese, dissolved	ICP-MS CLS129	No	Yes	No
Magnesium, dissolved	ICP-MS CLS129	No	Yes	No
Iron, dissolved	ICP-MS CLS 129	No	Yes	No
Faecal Coliforms (Filtration)	Based on CLS 16	No	No	No
Extractable Hydrocarbons Water (C8-C40, Diesel Range and Lube Oil) by GC-FID	CLS 147	No	Yes	No
Copper, dissolved	ICP-MS CLS 129	No	Yes	No
Conductivity @20C	CLS 67	No	Yes	No
Chromium, dissolved	ICP-MS CLS 129	No	Yes	No
Chloride	Konelab CLS 36	No	Yes	No
Calcium, dissolved	ICP-MS CLS129	No	Yes	No
Boron, dissolved	ICP-MS CLS129	No	Yes	No
Benzalkonium chloride (8001-54-51)		Yes	No	No
Arsenic, dissolved	ICP-MS CLS129	No	Yes	No
Ammonia as N	Konelab CLS 40	No	Yes	No
Alkalinity, total	CLS 54	No	No	No

Laboratory Analysis, Sampling, Technical Backup, Training, Food Safety Program Auditing and Monitoring are all ISO 9001:2008 certified



Environmental Protection Agency

[Guidance to completing the PRTR workbook](#)

# AER Returns Workbook

Version 1.1.18

REFERENCE YEAR	2014
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## 1. FACILITY IDENTIFICATION

Parent Company Name	Mr John English
Facility Name	Mr John English
PRTR Identification Number	P0352
Licence Number	P0352-01

### Classes of Activity

No.	class_name
-	Refer to PRTR class activities below

Address 1	Clonbrock
Address 2	Ahascragh
Address 3	Ballinasloe
Address 4	
Country	Galway
Country	Ireland
Coordinates of Location	-8.38243 53.4202
River Basin District	IEGBNISH
NACE Code	1610
Main Economic Activity	Sawmilling and planing of wood
AER Returns Contact Name	Jane English
AER Returns Contact Email Address	woodfarmfencing@gmail.com
AER Returns Contact Position	Environmental Manager
AER Returns Contact Telephone Number	090 9688755
AER Returns Contact Mobile Phone Number	090 9688755
AER Returns Contact Fax Number	090 9688448
Production Volume	300.0
Production Volume Units	Tonnes per week of fencing posts
Number of Installations	1
Number of Operating Hours in Year	2470
Number of Employees	14
User Feedback/Comments	There was no sludge sent in 2014 - it will be sent in the next couple of months - waiting to fill barrel before send
Web Address	Tonnes per week of fencing posts

## 2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
50.1	General

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

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

### 4. WASTE IMPORTED/ACCEPTED ONTO SITE

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

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

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

[PRTR#: P0352 | Facility Name: Mr John English | Filename: P0352\_2014.xls | Return Year: 2014 |

31/03/2015 16:37

Please enter all quantities on this sheet in Tonnes

8

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz Waste: Name and Licence/Permit No of Next Destination Facility	Non	Haz Waste: Address of Next Destination Facility	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)
						Haz Waste: Name and Licence/Permit No of Recover/Disposer	Non Haz Waste: Address of Recover/Disposer		M/C/E	Method Used	Haz Waste: Name and Licence/Permit No of Recover/Disposer	Non Haz Waste: Address of Recover/Disposer	
To Other Countries	03 02 04	Yes	0.0	inorganic wood preservatives	D10	M	Weighed	Abroad	Indaver Ireland ,WCP-DC-08-1121-01		4th Floor Block1 ,West Pier Busines Campus,Old Dunleary Road,Dun Laoghaire,Ireland	AVG,62.40-4 G.O. 10/70,Abfall-Verwertungs-Gesellschaft mbH,Borsigstrasse 2, Hamburg,22113,Germany	Abfall-Verwertungs-Gesellschaft mbH,Borsigstrasse 2, Hamburg,22113,Germany
To Other Countries	08 03 13	No	0.00045	waste ink other than those mentioned in 08 03 12	R4	C	Volume Calculation	Abroad	HP Planet Partners,La Poste Gonesses TIM CTCL Autorisation 0450 95919		GmbH,Schickardstrasse 32,Geb. Businesspark,71034 Boblingen,Germany		
Within the Country	20 01 40	No	3.9	metals	R4	M	Weighed	Offsite in Ireland	Roissy CDG Cedex 9 Hammond Lane,WP/173/2008 East Galway Waste Disposal Ltd,WCP-MO-10-25-01		...,Athlone,,Ireland		
<b>Within the Country</b>	<b>20 03 01</b>	<b>No</b>	<b>3.0</b>	<b>mixed municipal waste</b>	<b>D1</b>	<b>C</b>	<b>Volume Calculation</b>	<b>Offsite in Ireland</b>					

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