

**PROJECT YELLOW RE-CYCLING**

**TYNEWYDD FARM**

**GROESFAEN**

**PONTYCLUN**

**CF72 8NE**

**ENVIRONMENTAL MANAGEMENT SYSTEM**

(Initial version for environmental permit application)

Planabuild  
8 Ely Court  
Francis Street  
Tonyrefail  
CF39 8EP

3rd July 2016

968\_01

# **PROJECT YELLOW RE-CYCLING ENVIRONMENTAL MANAGEMENT SYSTEM**

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# **PROJECT YELLOW RE-CYCLING ENVIRONMENTAL MANAGEMENT SYSTEM**

## **1) Introduction and Site plans**

### **1.1 Background**

The Site Operator will be:-

Project Yellow Re-Cycling Limited  
Earthmovers House  
Unit 16  
Llantrisant Business Park  
Llantrisant  
CF72 8LF

This Environmental management system has been produced to support an application by Project Yellow Re-Cycling Limited for a Bespoke Environmental Permit which allows them to operate an Inert Waste Transfer Station with Treatment at:-

Project Yellow Re-Cycling  
Tynewydd Farm  
Groesfaen  
Pontyclun  
CF72 8NE

National Grid Reference:- 306030, 181040

The site was granted Planning Permission by way of a certificate of Lawful Development under reference 96/2446/09 on 30<sup>th</sup> December 1997 [1]

The facility has an entrance and partially surfaced access road which is shared with the farmer to provide him access to adjacent fields

Other than the shared access (shown on drawing 968-02-C [2] the site is self sufficient.

### **1.2 Site plans**

The location is shown on drawing 968-01-B [3].

The proposed extent and layout of the licensed operations are as shown on drawing 968-02-C [2] and 968-04-A [4].

The operator will review and record every 2 years whether changes to the procedures contained in the licence or documents annexed to the licence and take any further appropriate measures identified by a review.

The drawings will be updated if required by the above review.

# **PROJECT YELLOW RE-CYCLING ENVIRONMENTAL MANAGEMENT SYSTEM**

## **1.3 Site area**

The site area edged in green on drawing 968-04-A [4] is 1.9 Hectare.

## **1.4 Restraints**

1.4.1 The activities shall not be carried out within:

- (a) 500 metres of a European Site or a SSSI;
- (b) 50m of any well spring or borehole used for the supply of water for human consumption.. This must include private water supplies
- (c) 250 metres of the presence of Great Crested Newts, where it is linked to the breeding ponds of the newts by good habitat.
- (d) a specified AQMA.

The Operator is not aware of any of the above being located within the stated distances of the site.

1.4.2 Deliveries to and from the site will generally be between 07:00 and 18:00 each weekday and 07:00 and 13:00 on Saturdays.

Hours of working within the site shall be restricted to 08:00 hours to 16:30 hours Mondays to Fridays and 08:00 hours to 12:00 hours on Saturdays to comply with the current planning requirements.

1.4.3 Mobile floodlights will be used if necessary for operations or if emergency procedures are carried out after official lighting up times.

## **1.5 Ecology**

During preliminary discussions regarding the continued use of the site, with Natural Resources Wales, regarding the continued use of the site, the applicant was provided with a document entitled “Tynewydd Farm Protected Species – Recommendations” [5] under cover of an e-mail dated 8<sup>th</sup> February 2016 from Laoni Tye.

This document was provided to Hawkeswood Ecology, who have undertaken a Preliminary Ecological Assessment reference HE/90/2015 dated June 2016 [6]

Hawkeswood Ecology is currently undertaking a reptile survey at the site as suggested in the Preliminary Ecological Assessment. The report of this survey is expected to be available within the next few weeks.

## **1.6 Revision History**

03-07-2016 - Original compiled for permit application.

# PROJECT YELLOW RE-CYCLING ENVIRONMENTAL MANAGEMENT SYSTEM

## 2) Operations

### 2.1 Schedule of - Operations

Activity reference	Description of activities for waste operations	Limits of activities
A1 – Inert and non-hazardous household, commercial and industrial waste transfer station with treatment	<b>R13:</b> Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)  <b>R5:</b> Recycling/reclamation of other inorganic compounds	<p>All non-hazardous waste must be stored and treated on an impermeable surface with treated drainage.</p> <p>All inert waste must be stored and treated on hard standing or on an impermeable surface with treated drainage.</p> <p>Treatment operations shall be limited to manual and/or mechanical:</p> <ul style="list-style-type: none"> <li>- sorting and/or separation</li> <li>- screening</li> <li>- bulking-up</li> <li>- crushing</li> <li>- blending;</li> </ul> <p>of permitted waste for the purpose of recovery.</p> <p>Waste types as specified in Table 2.5.2</p>
	<p>Discharge of site drainage from hard standing areas of the site, to:</p> <ul style="list-style-type: none"> <li>- ground/surface water via soakaway, and</li> <li>- Drainage ditch adjacent to site via french drain and settlement pond at the location shown in the plan in S1.2 (document reference 697-61D).</li> </ul>	<p>Drainage consisting solely of:</p> <ul style="list-style-type: none"> <li>- clean, rainfall dependant drainage from hard standing areas of the site used in connection with the storage and/or treatment of permitted waste only</li> </ul> <p>Discharge of site drainage shall be controlled though as paragraph 2.3 of this document.</p> <p>No visible oil, grease or suspended solids shall be present in the discharge</p>

### 2.2 Waste Types - Inert waste

Materials will be delivered to the site and stored in an unprocessed inert material stockpile of up to approximately 12500 m<sup>3</sup> (25,000 tonnes) located as shown on drawing 968-04-A [4]. Over the winter period sub-soils may be stored in a heap of up to 50,000 tonnes to allow the material to be used in bulk filling contracts during the dryer spring weather.

Mobile crushing and screening machinery will be based on the site to crush and screen wastes to produce a range of graded stone and fill materials suitable for re-sale.

The processed materials will be stored in up to 8 stockpiles, each of approximately 1200m<sup>3</sup> (2000 tonnes).

Loading of plant and lorries will be undertaken by a wheeled front loader which it is anticipated will be permanently based on the site.

The processing of wastes into re-cycled materials will be carried out under the WRAP quality protocol.

The majority of the waste materials will be brought to site in 8 wheeled rigid and articulated tipper lorries.

# **PROJECT YELLOW RE-CYCLING ENVIRONMENTAL MANAGEMENT SYSTEM**

## **2.3 Site engineering**

The site is a former landfill which has been previously used as a waste transfer station with processing under a previous Environment Agency Licence EAWML 30222 dated 20th December 2000.

A site investigation was conducted by Terra Firma (Wales) Ltd [7] in May 2016. This investigation found no materials unsuitable for retention on the site.

The executive summary of the report at page states that the site will be covered with a concrete slab. This has since been modified to be a minimum 300 mm thick hardcore surface which will be laid on the existing fill to ensure that the underlying soils containing traces of asbestos fibres are not disturbed.

Drawing 968-03-A [13] and cross sections 968-07-A[14], 968-08-A[15] and 968-09-A[16] show the site as existing in March 2016. The existing site comprises of a variety of imported materials which has been deposited by a fill operations over the past 30 years. The eastern side is a plateau which falls gently from the south to the north of the site. A similar plateau at a slightly lower level exists in the centre section of the site. In these areas several stockpiles (stockpiles of topsoil and partially processed granular materials are located. To the west of the site raw materials remain as deposited (stockpiles 7-8 and 9). We are advised that stockpile 13 at the entrance to the processing area comprises raw excavated materials deposited by utilities companies under the previous permit.

Drawing 968-04-B [4] and cross sections 968-07-A[14], 968-08-A[15] and 968-09-A[16] show the proposed site layout and profiles. The ground profiles to the eastern end of the site will be retained substantially as existing with a hardcore surface applied on top of the existing fill. The central area will be filled to a similar level as the eastern side and the Western end will be regarded to a similar profile to provide a single efficient working level.

The bunds to the perimeter will be formed using materials excavated on the site during the regarding of the plateau.

A compacted surface of crushed stone will then be laid on the excavated and filled profiles to provide a suitable hard standing for the proposed operations. The perimeter of the fill areas is surrounded with a bund and planting in order to screen the site from the surrounding countryside and to contain any wastes or suspended solids from entering the adjacent river.

Percolation tests have been carried out on the site and have revealed that, due to the well compacted nature of the fill and on the western end, the presence of clays, the percolation properties of the site are not sufficient to keep the site clear of surface water.

During periods of heavy rain there is a risk that any surcharge will wash through the stored wastes or processed materials and suspended solids will be carried away in the rainwater.

The surface water run off will be collected in french drains at the eastern, northern and western edges of the site. From the ditches water runs into a storage pond through a steel orifice 50 mm in diameter to control the volume of water entering the settling pond so that water then passing across the surface of the settling pond is slowed sufficiently to allow any suspended solids to drop to the bottom of the settling pond

The clean water from the top surface of the settling pond then passes over a level weir approximately 10 metres long into a pipe to the existing ditch system at the western end of the site.

A screen will be fitted to the outlet pipe to stop any object which has floated across the setting post from discharging to the river.

# **PROJECT YELLOW RE-CYCLING ENVIRONMENTAL MANAGEMENT SYSTEM**

## **2.4 Review of activities against permit.**

All operations are to be carried out within the terms of the issued permit. If there is any doubt the operator should check the issued permit and the associated documents. No waste operations should proceed on the site unless within those contained within the permit.

## **2.5 Waste acceptance quantities, treatment and storage procedures.**

### **2.5.1 Waste acceptance**

#### **2.5.1.1 Waste shall only be accepted if:**

- (a) it is of a type listed in the table printed on page 9 of this document. and
- (b) it conforms to the description in the documentation supplied by the producer and holder.

#### **2.5.1.2 Guidance shall be given to all employees, sub-contractors, other waste carriers and customers regarding the waste types which are acceptable at the site. Carrier registration details are taken for all new haulage operators bringing waste to the landfill site and transfer station and the details will be periodically checked with Natural Resources Wales to ensure that they are still registered. The procedures below are followed prior to the receipt of waste on site:-**

- a) All incoming vehicle drivers are required to report to the site manager. The duty of care ticket will be checked to ensure that the load is acceptable at the site. Any deviation from the procedures or problems with any loads will be reported to the site manager.
- b) Once a load has been booked in the vehicle will be un-sheeted and a visual inspection of the contents will be carried out to ensure that the waste types comply with the waste management licence. The nature of mixed skip waste makes full inspection difficult until the load is deposited. If unauthorised waste is discovered before deposit the load will be returned to the producer. In cases where the unauthorised waste is likely to lead to a breach of licence conditions, Natural Resources Wales will be informed.

# PROJECT YELLOW RE-CYCLING ENVIRONMENTAL MANAGEMENT SYSTEM

**Table 2.5.2 Waste Types and Quantities**

<b>Maximum Quantities</b>	
The total quantity of waste accepted at the site shall be less than 350,000 tonnes a year.	
<b>Exclusions</b>	
Wastes having any of the following characteristics shall not be accepted:	
<ul style="list-style-type: none"> <li>Consisting solely or mainly of dusts, powders or loose fibres</li> <li>Wastes that are in a form which is either sludge or liquid</li> </ul>	
<b>Waste Code</b>	<b>Description</b>
<b>01</b>	<b>WASTES RESULTING FROM EXPLORATION, MINING, QUARRYING, PHYSICAL AND CHEMICAL TREATMENT OF MINERALS</b>
01 01	Wastes from mineral excavation
01 01 02	Waste from mineral nonmetalliferous excavation
01 04	Wastes from physical and chemical processing of non-metalliferous minerals
01 04 08	Waste gravel and crushed rock not containing hazardous substances
01 04 09	Waste sand and clays
<b>10</b>	<b>WASTES FROM THERMAL PROCESSES</b>
10 12	wastes from manufacture of ceramic goods, bricks, tiles and construction products
10 12 08	Waste ceramics, bricks, tiles and construction products (after thermal processing)
10 13	Wastes from manufacture of cement, lime and plaster and articles and products made from them
10 13 14	Waste concrete and concrete sludge
<b>17</b>	<b>CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)</b>
17 01	Concrete, bricks, tiles and ceramics
17 01 01	Concrete
17 01 02	Bricks
17 01 03	Tiles and ceramics
17 01 07	Mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
17 02	Wood, glass and plastic
17 02 02	Glass
17 02 03	Plastic (bulking up only)
17 03	Bituminous mixtures, coal tar and tarred products
17 03 02	Bituminous mixtures other than those mentioned in 17 03 01
17 05	soil (including excavated soil from contaminated sites), stones and dredging spoil
17 05 04	Soil and stones other than those mentioned in 17 05 03
17 05 08	Track ballast other than those mentioned in 17 05 07
<b>19</b>	<b>WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE</b>
19 12	Wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletizing) not otherwise specified
19 12 05	Glass
19 12 09	Minerals (for example, sand and stones)
19 12 12	Aggregates only
<b>20</b>	<b>MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS</b>
20 02	Garden and park wastes (including cemetery waste)
20 02 02	Soil and stones



# **PROJECT YELLOW RE-CYCLING ENVIRONMENTAL MANAGEMENT SYSTEM**

## **2.5.3 Receiving Materials at Site**

The following details will be recorded for every load deposited at the site:

- (i) The date and time of delivery.
- (ii) The name and address of the waste producer.
- (iii) The type and quantity of waste (in tonnes).
- (iv) Drivers name (plus carriers name and registration number if not one of the operators own vehicles.
- (v) Vehicle registration No.
- (vi) Signature of person inspecting the waste

These details will be recorded on the Operators standard transfer ticket for loads delivered in his own transport (See Form 1 at clause 2.8 of this document).

For loads delivered by other hauliers Form 2 ( as sample printed at clause 2.8 of this document ) shall be filled out by the site manager

The following details will be recorded for all deposits of rejected waste at the site on Form 3. ( as sample printed at clause 2.8 of this document)

- (i) Date and time of deposit.
- (ii) A description of the waste.
- (iii) The quantity of waste (in tonnes or cubic metres).
- (iv) Name, address and telephone No. of waste producer.
- (v) The carrier's name, registration number and vehicle registration.
- (vi) Reason for the rejection of waste and action taken.

## **2.5.4 Processed Materials leaving Site**

The following details will be recorded for every load of re-cycled material leaving the site .It is expected that the ticket will be generated and printed by the weighbridge terminal.

- (i) Date and time of leaving site
- (ii) The type and quantity of waste in tonnes,
- (iii) The customers name
- (iv) Delivery address
- (v) Vehicle Registration
- (vi) The name of the haulier if not one of the operators own vehicles

# PROJECT YELLOW RE-CYCLING ENVIRONMENTAL MANAGEMENT SYSTEM

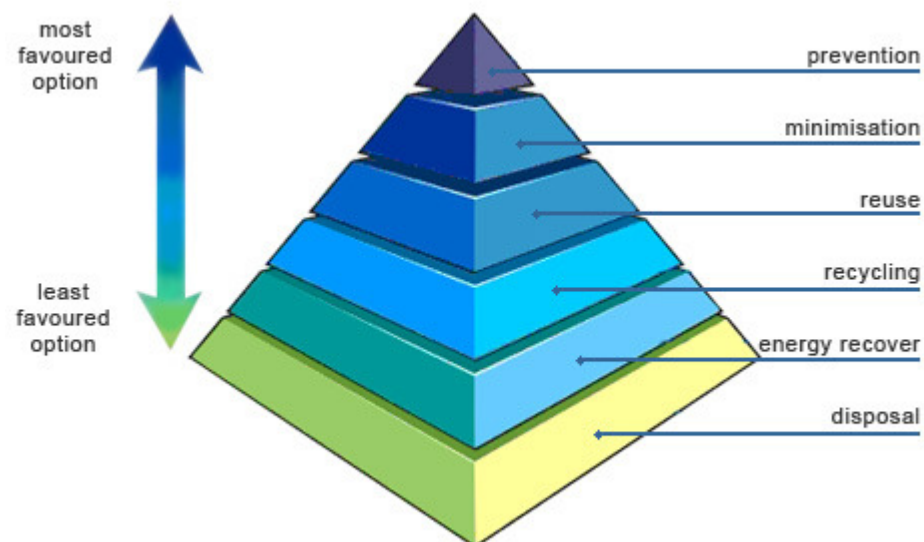
## 2.6 The waste hierarchy

### 2.6.1 Avoidance, recovery and disposal of wastes produced by the activities

The operator shall take appropriate measures to ensure that:

- (a) the waste hierarchy referred to in Article 4 of the Waste Framework Directive - as shown on the diagram below, is applied to the generation of waste by the activities; and
- (b) any waste generated by the activities is treated in accordance with the waste hierarchy referred to in Article 4 of the Waste Framework Directive; and
- (c) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.

**The Waste Hierarchy**



# PROJECT YELLOW RE-CYCLING ENVIRONMENTAL MANAGEMENT SYSTEM

## 2.7 Duty of Care

The operator acknowledges their responsibility to deal responsibly with any waste handled and to follow the procedures contained in the license or any documents appended thereto.

(Form 1).

**Tom Prichard Contracting**  
*Transport • Plant Hire • Earth Moving  
Demolition • Civil Engineering • Recycling*  
Earthmovers House, Unit 16, Llantrisant Business Park, Llantrisant, Pontyclun. CF72 8LF  
**Tel: 01443 226170 - Email: info@tomprichardcontracting.co.uk**

**DUTY OF CARE / TRANSFER RECEIPT** 045351  
Waste Carrier Number CB/EM3080XH/R004

Customer .....

Date: ..... Reg. No : .....

Type of Product/Load Size.....

Subsoil M1/170504	<input type="checkbox"/>	Scalpings	<input type="checkbox"/>
Hardcore M1/170107	<input type="checkbox"/>	6F5	<input type="checkbox"/>
Top Soil M1/170504	<input type="checkbox"/>	Single Sizes	<input type="checkbox"/>
Recycled Type 1	<input type="checkbox"/>	Building Sand	<input type="checkbox"/>
Recycled 6F5	<input type="checkbox"/>	Sharp Sand	<input type="checkbox"/>
Quarried Type 1	<input type="checkbox"/>	Wood	<input type="checkbox"/>
Dust	<input type="checkbox"/>	General Waste	<input type="checkbox"/>
Eco Sand	<input type="checkbox"/>	SIC Code .....	

Ex Site .....

To Site .....


Customer's Signature .....

Driver's Signature .....


Recipient Signature .....


White - Client, Yellow - Driver, Blue - Tip Copy, Pink - File


I confirm that I have fulfilled my duty in applying the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011

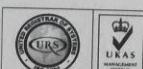
 **BuildingConfidence**  
empowered by Achilles


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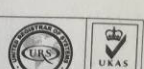
 **HAS**  
Accredited Contractor  
www.has.gov.uk

 **constructionline**

 **CPA**

 **UKAS**  
Construction  
2012

 **UKAS**  
Construction  
2012

 **UKAS**  
Construction  
2012

# PROJECT YELLOW RE-CYCLING ENVIRONMENTAL MANAGEMENT SYSTEM

Form 2

## PROJECT YELLOW RECYCLING

### FORM 2 – WASTE NOT RECEIVED IN TOM PRICHARD CONTRACTING VEHICLES

#### Duty of care: waste transfer note

##### Section A – Description of waste

A1 Description of waste being transferred

Waste Regulations code(s)

A2 How is the waste contained?

Loose ☐ Sacks ☐ Skip ☐ Drum ☐  
Other ☐

A3 How much waste? E.g. number of sacks, weight

##### Section B – Current holder of the waste – Transferor

By signing in Section D below I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011 Yes ☐

B1 Full Name

Company name and address

Post code

B2 Name of your unitary authority council

B3 Are you:

The producer of the waste? ☐

The importer of the waste? ☐

The local authority? ☐

The holder on an environmental permit? ☐

Permit number

Issued by

Registered waste exemption? ☐

Details, including registration number

A registered waste carrier, broker or dealer? ☐

Registration number

Details (are you a carrier, broker or dealer?)

##### Section C – Person collecting the waste – Transferee

C1 Full name

Company name and address

Post code

C2 Are you:

The local authority? ☐

C3 Are you:

The holder of an environmental permit? ☐

Permit number

Issued by

Registered waste exemption? ☐

Details, including registration number

A registered waste carrier, broker or dealer? ☐

Registration number

Details (are you a carrier, broker or dealer?)

##### Section D – The transfer

D1 Address of transfer or collection point:

Ystrad Barwig Waste Transfer Station

Ystrad Barwig Farm

Llantwit Fadre

Pontypridd

CF38 1BL

Date of transfer (DD/MM/YYYY)

Transferor's signature

Name

Representing

Transferee's signature

Name

Representing

# PROJECT YELLOW RE-CYCLING ENVIRONMENTAL MANAGEMENT SYSTEM

Form 3.

## PROJECT YELLOW RECYCLING FORM 3 – REJECTED WASTE

DATE	
TIME	
WASTE DESCRIPTION	
QUANTITY OF WASTE	
PRODUCER/HOLDER'S NAME, ADDRESS AND TELEPHONE NUMBER	
NAME OF CARRIER	
VEHICLE REGISTRATION	
CARRIER REG. No.	
REASON FOR REJECTION OF WASTE	
ACTION TAKEN	

# **PROJECT YELLOW RE-CYCLING ENVIRONMENTAL MANAGEMENT SYSTEM**

## **3) Maintenance**

- 3.1 All site surfaces will be inspected daily when the site is in operation. Debris will be cleared as required and placed in the raw waste stockpile.
- 3.2 Any defects found during the daily site inspection will be repaired by the end of the working day in which they are found where possible. If a repair is not possible by the end of the working day and causes a breach of licence conditions Natural Resources Wales will be contacted to agree a suitable timescale for repair. Other less significant repairs will be carried out within 5 working days of their discovery.
- 3.3 The settling pond will be inspected weekly and the details of the inspection recorded as stated above. Any build up of silt will be removed and placed in the raw waste stockpile for processing. If not suitable for processing into soils the silt will be disposed of to offsite landfill.
- 3.4 All mobile plant will be inspected by drivers in accordance with established company procedures. Any repairs will be carried out promptly by the company's maintenance department on site, or if required transported to the company's workshop.
- 3.5 The site infrastructure is to be inspected daily by the site manager and recorded on site inspection form 4. If any remedial action is required to any site infrastructure detailed comments will be entered into the site diary (including action taken or proposed).

# PROJECT YELLOW RE-CYCLING ENVIRONMENTAL MANAGEMENT SYSTEM

## LLANTRISANT RECYCLING

### FORM 4 – SITE INSPECTION FORM

WEEK COMMENCING								
TYPE OF INSPECTION	FREQUENCY	DAY						
		M	T	W	T	F	S	S
WASTE TYPES	DAILY							
WASTE STORAGE	DAILY							
WASTE QUANTITIES	DAILY							
SECURITY - FENCING	DAILY							
SECURITY - GATES	DAILY							
FIRES	DAILY							
PLANT/EQUIPMENT	DAILY							
LITTER	DAILY							
DUST	DAILY							
MUD ON ROADS	DAILY							
ODOUR	DAILY							
VERMIN	DAILY							
WASTE CONTAINERS	DAILY							
FUEL TANK	DAILY							
SITE ROADS	WEEKLY							
HARDSTANDING AREAS	WEEKLY							
SETTLING POND	WEEKLY							
DRAINAGE CHANNELS	MONTHLY							
INSPECTION CARRIED OUT BY (INITIALS)								
CHECKED BY		DATE						
SIGNATURE								
POSITION								



# **PROJECT YELLOW RE-CYCLING ENVIRONMENTAL MANAGEMENT SYSTEM**

## **4) Accident Management Plan**

The operator recognises that “accident” for the purposes of this document means an accident, incident or event that may result in pollution.

The site is to be licensed to process inert materials only . Therefore the risk of contamination are very low.

The following list those items which require particular attention:-

### **4.1 Breakdowns and spillages**

In the event of breakdown of the loading plant an alternative loading shovel or excavator will be brought on site until it is repaired. If an alternative machine cannot be used then waste will be stored until the plant is repaired. In the event of a long term breakdown of the loading plant an alternative machine will be brought on site until the faulty unit is repaired.

Any spillages of fuel will be cleared immediately by depositing sand or absorbents on the affected area. The sand or absorbents will be placed in a skip to be taken to a suitably licensed site for disposal. All spillages of waste and windblown litter will be cleared by the end of the working day in which they occur where practicable.

If there is a risk that dust will be emitted following a malfunction or breakdown the plant will be shut down for repairs.

If there is an unsatisfactory discharge from the settling lagoon the discharge shall be stopped at the outlet pipe until the source of contamination has been removed and the water in the second chamber of the settling pond is running clear.

### **4.2 Drums and other containers**

The deposit of drummed waste will not be allowed at the site. If a drum is concealed within a load of material delivered to site and is not observed until the lorry is emptied onto the raw material stockpile then the following procedure will apply:

- a) The staff member will visually check the condition of the drum from a safe distance, noting any labels referring to the possible contents or hazards.
- b). The site manager will be contacted to verify the observations and to decide on further action.
- c). The producer of the waste and Natural Resources Wales will be contacted for advice and further information if necessary and both will be informed that a breach of the Duty of Care and site licence conditions has occurred as the result of the unauthorised deposit
- d) No further waste will be deposited until the emergency has been dealt with.
- e) All spillages will be cleared using a spill containment kit and all contaminated absorbents placed in a skip for disposal to a suitably licensed waste management site.
- f) If the deposit results in serious reactions with other waste or harmful emissions or the drum contents cannot be identified then the emergency services and/or specialist waste contractors brought in to assist. Staff will be evacuated from the transfer area to a safe area away from the hazard.



# **PROJECT YELLOW RE-CYCLING ENVIRONMENTAL MANAGEMENT SYSTEM**

## **4.3 Contact Names and Numbers**

The Site Manager shall be Jonathan Wilson who can be contacted via Operator's head office on 01443 226170. A mobile telephone number and e-mail address will be provided once the site is operational to enable the site manager to be contacted in an emergency.

The Site Manager will report to the Operators Managing Director who is Tom Pritchard and who can be contacted at the operators head office on 01443 226170 or on mobile telephone number 07970 060886

All staff shall be made aware that in an emergency the staff should quickly assemble at the designated assembly points adjacent to the weighbridge.

Copies of the permit and other site documentation are to be held on paper and as an electronic file copy at the Operators head office.

There shall be a site information board at the site entrance in order to display information to clearly identify site contact telephone numbers in case of emergency

## **4.4 Accident procedures**

If an accident or incident causes damage to the environment, or risks doing so, the site manager or a member of staff designated by him must:-

- a) Immediately do what it says in your accident management plan
- b) Report the accident to the Natural Resources Wales local office
- c) Do whatever is necessary to minimise the environmental consequences
- d) Clean up after the incident or spillage
- e) Record the incident or accident, in a report book or folder
- f) Find out why the accident happened
- g) Consider if your response and actions were adequate
- h) Take any actions needed to stop it happening again
- i) Review and amend the accident management plan as soon as possible. Investigate malfunction, breakdown or failure of plant and equipment, techniques and near misses, releases to the environment, or impacts on the local amenity. The site Manager must be able to:
  - j) Detect abnormal operation and investigate the causes
  - k) Assess the information and decide what to do.
  - l) In the short-term, get back to normal operation.
  - m) In the long-term take steps to make sure the problem does not happen again.

# **PROJECT YELLOW RE-CYCLING ENVIRONMENTAL MANAGEMENT SYSTEM**

## **5) Site Security**

The site is surrounded by bunds and steep wooded banks on all accessible boundaries to avoid any unauthorised access and vandalism of plant and equipment out of normal operating hours.

The entrance gate is adjacent to the wheel wash and will be monitored by the member of staff who is operating that equipment.

During all hours when the site is not in operation the gate will be securely closed and locked.

# **PROJECT YELLOW RE-CYCLING ENVIRONMENTAL MANAGEMENT SYSTEM**

## **6) Non-compliance**

A non-compliance or non-conformance refers to any activity on a permitted site that does not meet the relevant permit condition or relevant legislation.

If any Natural Resources Wales Regulatory officer, staff member or member of the public informs the operator of any non-compliance that they observe and that may need further action, the following actions must be taken by the Site Manager and recorded in the site diary:-

a) Record the event.

b) Investigate to establish the root cause of the problem if needed

c) Record any action taken to resolve it

and if applicable

a) Consider whether you need to change any operations on site in response to the review of the non-compliance as part of the continuous improvement process.

b) Amend the management system to reflect changes

c) Make sure staff and managers are aware of changes

d) Inform Natural Resources Wales of any changes made.

# **PROJECT YELLOW RE-CYCLING ENVIRONMENTAL MANAGEMENT SYSTEM**

## **7) Closure**

Should the site be closed and the licence surrendered it shall be cleared of all inert wastes and processed materials and offered for inspection by officers of Natural Resources Wales.

Should Natural Resources Wales require any tests on the site, to demonstrate that the inert materials storage and processing have not produced any contamination of the site, such tests will be carried out by the operator prior to surrender of the licence.

# **PROJECT YELLOW RE-CYCLING ENVIRONMENTAL MANAGEMENT SYSTEM**

## **8) Complaints**

The operator will take all complaints received seriously and take the necessary actions to investigate the complaint.

If a complaint is valid the operator will:-

- a) Identify the cause
- b) Minimise the impact of the activity causing the problem
- c) Investigate the root cause of the problem
- d) Take steps to ensure the problem is not repeated, this may include changing a piece of equipment or procedure.
- e) record the complaint and what you did to investigate and resolve it.
- f) if necessary, amend your management system to reflect any changes.
- g) The site manager will be responsible for all communication between the operator, the neighbouring occupier and any complainants who may be adversely affected by site activities. The manager will provide feedback once the problem has been resolved will help resolve complainants rather than leaving them until Natural Resources Wales become involved.
- h) Following the theme of continual improvement the operator will reflect the outcome of any investigation in this Environmental Management System and improved operations.

# **PROJECT YELLOW RE-CYCLING ENVIRONMENTAL MANAGEMENT SYSTEM**

## **9) Sufficient competent persons, resources and training**

### **9.1 General provisions**

The operator will have sufficient trained and competent staff to manage and operate the site, dependant upon the volumes of activity on the site from time to time, to ensure compliance with the permit.

All staff working on permitted activities will be given training to ensure that they are familiar with the procedures contained within this Environmental Management System.

Any contractors working on the site will be vetted prior to engagement to ensure that they also have the skills and knowledge they need.

The Site Manager shall provide appropriate induction training for site visitors or temporary contractors.

A copy of this Environmental Management System will be kept in the weighbridge office and be easily accessible to all staff and contractors.

Copies of the following are to be kept available for inspection in the weighbridge office:-

- a) A list of the roles and responsibilities of all staff employed on site.
- b) Evidence that the site manager is trained in aspects that can lead to pollution and the measures to be taken to prevent that pollution.
- c) Evidence that all staff have been made aware of the operators responsibilities under the permit.

### **9.2 Competent persons and resources.**

Further to item 3b of Part B2 of the application for an environmental permit, the Operator has designated Jonathan Wilson as the technically competent manager of the site.

Jonathan Wilson attended and passed the EPOC course ran by the Chartered Institute of Waste Management (CIWM) on 25<sup>th</sup>-26<sup>th</sup> February 2014.

The Environmental Permitting Operators Certificate (EPOC) for Jonathan Wilson is appended to this document [8]

On 2nd September 2015 Jonathan Wilson was awarded an Operator Competence Certificate OCC66168 [9] to Manage Non-Hazardous Waste transfer with/without treatment (not otherwise specified) (4MPTNH6) as awarded by WAMITAB (Waste Management Industry Training and Advisory Board)

# **PROJECT YELLOW RE-CYCLING ENVIRONMENTAL MANAGEMENT SYSTEM**

## **9.3 Records**

Records demonstrating compliance with 2.1.1 shall be maintained at the operators head office.

## **9.4 Compliance**

The operator shall comply with the requirements of an approved competence scheme, the Environmental Permit and the procedures contained in this document.

# **PROJECT YELLOW RE-CYCLING ENVIRONMENTAL MANAGEMENT SYSTEM**

## **10) Emissions and monitoring**

### **10.1 General measures**

Emissions of substances not controlled by emission limits (excluding odour) shall not cause pollution. The operator shall not be taken to have breached this rule if appropriate measures, including, but not limited to, those specified in any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.

The operator shall:

- (a) Maintain and implement an emissions management plan;
- (b) If notified by Natural Resources Wales that the activities are giving rise to pollution, submit to Natural Resources Wales for approval within the period specified, a revised emissions management plan;
- (c) Implement any approved revised emissions management plan, from the date of approval, unless otherwise agreed in writing by Natural Resources Wales.

All liquids in containers, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.

The discharge to the river from the settling pond will be monitored on a daily basis from the weir at the west end .

Should the discharge water not be free of suspended solids the out fall to the weir to the pond will be fitted with filter materials (such as straw etc outfall to remove suspended solids from water while the source of the problem is investigated and corrected.



# **PROJECT YELLOW RE-CYCLING ENVIRONMENTAL MANAGEMENT SYSTEM**

## **10.2 Odour**

Emissions from the activities shall be free from odour at levels likely to cause pollution outside the site, as perceived by an authorised officer of Natural Resources Wales, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved odour management plan, to prevent or where that is not practicable, to minimise, the odour.

### **a) Inert Materials**

The inert nature of the wastes to be delivered to and processed at the site present a very low risk of odour nuisance. If malodorous waste is detected when inspecting the incoming material for acceptance the material shall not be accepted for deposition and subsequent processing on the site.

The operator shall:

- (a) If notified by Natural Resources Wales that the activities are giving rise to pollution outside the site due to odour, submit to Natural Resources Wales for approval within the period specified, an odour management plan;
- (b) Implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by Natural Resources Wales.
- c) Should any complaint be received regarding this waste source the waste facility will be investigated by sniff testing the waste.
- d) If there is any emission of odour, whether detected by staff on site, or brought to the attention of staff from complaint from others, the stack will be moved over onto an unused section of the slab to reveal the source of the odour. The odour expected to be caused by a broken bag or loose waste which may have escaped from the bags. The broken bag or loose waste will be placed into new bags and sealed. If necessary the slab will be washed down by hose. Any liquid waste will run through the foul drainage system on the site.
- e) Should a reasonable and appropriate complaint be received by a member of staff the source will be investigated as described above and any remedial action taken to deal with the source of the complaint as required.
- f) The person or organisation who made the complaint will be kept informed of progress of such action and a check made at the conclusion of the event to ensure that the nuisance had been dealt with to the complainant's reasonable satisfaction.

# **PROJECT YELLOW RE-CYCLING ENVIRONMENTAL MANAGEMENT SYSTEM**

## **10.3 Noise and vibration**

Emissions from the activities shall be free from noise and vibration at levels likely to cause pollution outside the site, as perceived by an authorised officer of Natural Resources Wales, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved noise and vibration management plan, to prevent or where that is not practicable, to minimise, the noise and vibration.

The majority of proposed operations do not generate excessive noise and vibration which may be a nuisance to nearby residents. The crushing operations using mobile plant, brought to site from time to time, are those which will generate the greatest level of noise and vibration. The mobile plant will be located on the site (see drawing 968- 04-A [4]) at a position as far away as possible from the nearest houses, located approximately 230 metres away from the site boundary.

The crushing equipment will be maintained and used in accordance with manufacturers recommendations to avoid excessive noise and vibration. The crushing equipment will only be operated during normal working hours (08.00 hrs to 16.30 hrs Mondays to Fridays and 08.00 hrs to 12.00 hrs Saturdays) to avoid any noise during evenings , nighttimes and weekends.

The operator shall:

- (a) If notified by Natural Resources Wales that the activities are giving rise to pollution outside the site due to noise and vibration, submit to Natural Resources Wales for approval within the period specified, a noise and vibration management plan;
- (b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by Natural Resources Wales.

It is not anticipated that site operations will be cause a noise nuisance because of the scale of the operation. The site has been planned as shown on drawing 968-04-01 [4], to ensure the best practicable means would be employed on site at all times to ensure that all plant and equipment does not produce excessive noise audible beyond the site boundary.

## **10.4 Litter control**

The most likely sources of litter on site are from incoming loads. Site inspections will be carried out for the presence of windblown litter daily and operatives will be instructed to collect the litter and return it to a waste skip for disposal.

## **10.5 Control of pests, birds and other scavengers**

A recognised pest control contractor will be brought in if any problems are encountered. It is unlikely that vermin will present a problem because of the waste types handled at the site but a recognised pest control contractor will be brought in if any problems are encountered. The site will be inspected weekly for the presence of vermin and the results of the inspection noted on the site inspection form.

# **PROJECT YELLOW RE-CYCLING ENVIRONMENTAL MANAGEMENT SYSTEM**

## **10.6 Control of mud and debris**

The surfacing of the operational areas of the site with a compacted planning surface, and the use of the existing wheel wash dip at the site entrance and the storage of waste within defined areas significantly reduces the risk of mud deposition on the approach roads or public highway. The deposit of material on the public highway will be treated as an emergency and will be cleaned with a mechanical vacuum sweeper.

The waste types handled on site and the fact that the long site access road is surfaced with hardcore and tarmac reduces the likelihood of mud or debris being carried onto the highway.

## **10.7 Control and monitoring of dust**

All site operations will be carried out to minimise the creation of dust. A water hose will be used to spray the site surface and the inert waste to prevent the formation of excessive dust. During dry conditions or when dealing with dry wastes a water hose or vacuum tanker will be used to spray the site surfaces to prevent the formation of excessive dust - this particularly applies to site roads, storage, loading and unloading areas.

Water Supply - A n adequate supply of water will be available for dust suppression in all climatic conditions. The crushing and screening plant is fitted with automatic water spray to provide dust suppression whilst working.

Sheeting of vehicles - Vehicles carrying potentially dusty loads on or off site are to be securely sheeted.

# PROJECT YELLOW RE-CYCLING ENVIRONMENTAL MANAGEMENT SYSTEM

## **11) Records**

### **11.1 General Provisions**

All records required to be made under the terms of the bespoke permit shall:

- (a) be legible;
- (b) be made as soon as reasonably practicable;
- (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible or are capable of retrieval; and
- (d) be retained, unless otherwise agreed by Natural Resources Wales, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:
  - (i) off-site environmental effects; and
  - (ii) matters which affect the condition of land and groundwater.

### **11.2 Document retention**

The operator shall keep on site all records, plans and the management system required to be maintained by these standard rules, unless otherwise agreed in writing by Natural Resources Wales.

<b>Documents to be retained in site office</b>	
Copy of Environmental Permit	Incoming Waste Transfer Tickets
Site diary (to record all visitors to the site)	Site inspection sheets
Accident book & first aid kit	Non Company Waste Transfer Tickets
Weighbridge daily summaries	Outgoing Material Delivery Tickets
Estimate of material stocks	

### **11.3 Visitors**

Names and details of all visitors to the site, and the company or organization they represent will be recorded in the site diary upon arrival and exit stating the purpose of their visit and who they represent.

### **11.4 Reporting**

- a) The operator shall send all reports and notifications required by these standard rules to Natural Resources Wales using the contact details supplied in writing by Natural Resources Wales.
- b) Within one month of the end of each quarter, the operator shall submit to Natural Resources Wales using the form made available for the purpose, the information specified on the form relating to the site and the waste accepted and removed from it during the previous quarter.

# **PROJECT YELLOW RE-CYCLING ENVIRONMENTAL MANAGEMENT SYSTEM**

## **11.5 Notifications**

11.5.1 Natural Resources Wales shall be notified without delay following the detection of:

- (a) any malfunction, breakdown or failure of equipment or techniques, accident or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution;
- (b) the breach of a limit specified in these standard rules; or
- (c) any significant adverse environmental effects.

11.5.2 Written confirmation of actual or potential pollution incidents and breaches of emission limits shall be submitted within 24 hours by e-mail.

11.5.3 Where Natural Resources Wales has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform Natural Resources Wales when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to Natural Resources Wales at least 14 days before the date the monitoring is to be undertaken.

11.5.3 Natural Resources Wales shall be notified within 14 days of the occurrence of the following matters:-

- (a) any change in the operator's trading name, registered name or registered office address;

or

- (b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.

# **PROJECT YELLOW RE-CYCLING ENVIRONMENTAL MANAGEMENT SYSTEM**

## **12) Access to the permit**

The copy of the permit and other related documentation kept in the weighbridge office and be open for inspection and use by any member of the operators staff ,contractor or any other suitable authorised person.

A paper and electronic copy will be kept at the operators head office.

# **PROJECT YELLOW RE-CYCLING ENVIRONMENTAL MANAGEMENT SYSTEM**

## **13) Health and safety site rules**

The following guidelines apply to all site personnel, contractors and visitors using the site (where applicable).

- 13.01 The site is covered by the Health and Safety at Work Act 1974 and its associated regulations and all users must abide by any relevant provisions. Any person found to be in contravention of the requirements of this Health and Safety Statement will be asked to leave the site.
- 13.02 All visitors and contractors must sign the visitors book upon entry to and exit from the site. All vehicle drivers must report to the site office and await instruction from the site manager/deputy before proceeding to deposit waste at the site.
- 13.03 All accidents, diseases, injuries or dangerous occurrences shall be reported to the site manager. All instructions issued by the site manager in respect of health and safety at the site must be followed by all site users.
- 13.04 A first aid box (including eye-wash bottles) is kept in the site office. If you are injured on site please alert a member of staff/trained first aider for assistance.
- 13.05 All persons must wear high visibility clothing on site to avoid collision with loading plant.
- 13.06 Safety boots must be worn by all persons in the waste sorting area.
- 13.07 Protective gloves must be worn for any operations which present a hazard of puncture to or laceration of the skin or for any manual handling work carried out within the transfer compound.
- 13.08 Ear defenders, safety helmets (hard hats) and eye protection will be issued when deemed necessary and must be worn by all employees and contractors where required by the site manager or other duly authorised member of the operators staff.
- 13.09 Fire extinguishers will be kept on site to deal with any fires - fires shall only be dealt with by the site manager or under his instruction. Access to fire fighting equipment must be kept clear at all times. When the alarm is raised all staff should follow instructions and leave the site in an orderly fashion.
- 13.10 Persons who are suspected to be under the influence of drugs or alcohol will be removed from the site.
- 13.11 Smoking is not permitted in the office / mess building.
- 13.12 Observe and follow all traffic directions and traffic/safety signs.
- 13.13 Drivers must comply with all safety instructions given by the Site Manager.
- 13.14 All drivers are responsible for ensuring that their vehicle is safely loaded. Unsafe loads will not be accepted at the site and will not be allowed to leave the site until they have been made safe.
- 13.15 The site will not operate in conditions of poor visibility such as dense fog to reduce the risk of vehicle collision or accidents with plant operating on the site..

# **PROJECT YELLOW RE-CYCLING ENVIRONMENTAL MANAGEMENT SYSTEM**

## **14) Non Technical Summary**

The application is for an Environmental Permit to be issued by Natural Resources Wales which will allow Project Yellow Recycling Ltd to operate a facility to re-cycle inert wastes.

The inert wastes are generally sourced from demolitions and construction sites and range from sub-soils to bricks, stone, concrete and planings from road resurfacing work.

The inert wastes will be generally transported to site in 20 and 32 tonne capacity rigid and articulated tipper trucks and deposited in a raw material stockpile not more than 5 metres high containing a maximum of 25000 m<sup>3</sup>.

These inert materials will be processed by crushing and screening on a batch basis to produce a range of processed hardcore products for sale for re-use in construction.

The crushing and screening will be carried out by a mobile crushing plant and mobile screen brought onto site to suit production requirements. During the crushing operations approximately 500 tonnes per day of various granular re-cycled materials will be produced and placed in one of the processed material stockpiles.

The finished materials will be transported from site to the customer by the same fleet of 20 and 32 tonne capacity trucks which bring the raw materials to site.

To avoid any dust pollution of the nearest houses the crushing and screening plant is fitted with water spray equipment for use in dry weather conditions.

To avoid any mud etc which may be formed from the inert wastes from being carried onto the public highway a hose will be available on site to enable the lorry wheels to be cleaned.

A supply of clean water will be kept available on site to provide adequate supplies of water for dust suppression measures.

Surface water from rainfall will generally soak away into the ground through the permeable layer of planings which will cover the majority of the operational area of the site.

As the site is bunded there may be occasions during an extreme storm event when water may not soak away sufficiently fast through the permeable land standing. In these circumstances, a small proportion of soils within the inert waste materials may be washed away by the storm water. This water will be collected in settling ponds where the suspended solids will settle to the bottom and the clean storm surcharge discharged into the ditch system on site.



# PROJECT YELLOW RE-CYCLING ENVIRONMENTAL MANAGEMENT SYSTEM

## **15) Site Condition Report**

<b>1.1 SITE DETAILS</b>	
Name of the applicant	Project Yellow Re-Cycling
Activity address	Tynewydd Farm Groesfaen Pontyclun CF72 8NE
National grid reference	306030, 181040
Document references for site plans (including location and boundaries)	968-01-B 968- 02-C

<b>15.2 Condition of the land at permit issue</b>	
Environmental setting including: • geology • hydrogeology • surface waters	See Geo-Environmental Report reference 13685 dated May 2014 as produced by Terra Firma (Wales) Ltd [7]
Pollution history including: • pollution incidents that may have affected land • historical land-uses and associated contaminants • any visual/olfactory evidence of existing contamination • evidence of damage to pollution prevention measures	See Geo-Environmental Report reference 13685 dated May 2016 as produced by Terra Firma(Wales) Ltd [7]
Evidence of historic contamination, for example, historical site investigation, assessment, remediation and verification reports (where available)	See Geo-Environmental Report reference 13685 dated May 2016 as produced by Terra Firma(Wales) Ltd [7]
Baseline soil and groundwater reference data	See Geo-Environmental Report reference 13685 dated April 2016 as produced by Terra Firma(Wales) Ltd [7]
<b>Supporting information</b>	See Geo-Environmental Report reference 13685 dated May 2016 as produced by Terra Firma(Wales) Ltd [7]

## PROJECT YELLOW RE-CYCLING ENVIRONMENTAL MANAGEMENT SYSTEM

<b>16.3 Permitted activities</b>	
Permitted activities	Receiving and storage of Inert Waste Materials . Process and Storage of recycled materials awaiting sale.
Non-permitted activities undertaken	None
Document references for: <ul style="list-style-type: none"><li>• plan showing activity layout; and</li><li>• environmental risk assessment.</li></ul>	Drawing 968- 02-C [2] Risk assessment document 968_02 [10].

# **PROJECT YELLOW RE-CYCLING ENVIRONMENTAL MANAGEMENT SYSTEM**

## **16) Appendices**

All documents provided as single PDF files except where noted.

- [01] 30-12-1997 – Certificate of Lawful Development 96/2446/09
- [02] Drawing 968-02-C Location Plan.
- [03] Drawing 968-01-B Key Location Plan .
- [04] Drawing 968-04-A Environmental Permit Proposed Site Plan.
- [05] Tynewydd Farm – Protected Species Recommendations.
- [06] Preliminary Ecological Assessment Ref HE/90/2015 June 2016 by Hawkeswood Ecology.
- [07] Geo-Environmental Report reference 13685 dated April 2016 as produced by Terra – Firma(Wales) Ltd. Report and Appendices in 5 additional PDF files.
- [08] The Environmental Permitting Operators Certificate (EPOC) for Jonathan Wilson
- [09] Operator Competence Certificate OCC66168
- [10] 968\_02 Risk Assessments.
- [11] 968\_03 Incident Response Plan
- [12] OPERA Fee Calculation – Excel Spreadsheet NRW v1 06-07-2016
- [13] Drawing 968-03-A Existing Site Plan
- [14] Drawing 968-07-A Cross Section A-A
- [15] Drawing 968-08-A Cross Section B-B
- [16] Drawing 968-09-A Cross Section C-C