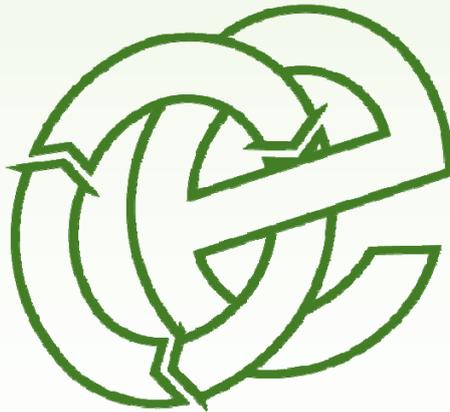


# SURRENDER REPORT FOR EPR/UP3094FQ

BRYN Y GAER QUARRY, HOPE, FLINTSHIRE LL12 9SD

ASH WASTE SERVICES LTD

VERSION:	1.0	DATE:	12 FEBRUARY 2016		
DOC. REF:	2370-426-SR	AUTHOR:	JE	CHECKED:	
CLIENT NO:	426	JOB NO:	2370		



## Oaktree Environmental Ltd

*Waste, Planning & Environmental Consultants*

Oaktree Environmental Ltd, Unit 5, Oasis Park, 19 Road One, Winsford, Cheshire, CW7 3RY  
Tel: 01606 558833 | Fax: 01606 861183 | E-Mail: sales@oaktree environmental.co.uk | Web: www.oaktree-environmental.co.uk  
REGISTERED IN THE UK | COMPANY NO. 4850754

### Document History:

<i>Version</i>	<i>Issue date</i>	<i>Author</i>	<i>Checked</i>	<i>Description</i>
1.0	12/02/2016	JE		Submission to NRW

## CONTENTS

DOCUMENT HISTORY:.....	I
CONTENTS .....	II
LIST OF APPENDICES:.....	III
<b>1 GENERAL CONSIDERATIONS.....</b>	<b>1</b>
1.1 SITE OPERATOR/PERMIT HOLDER .....	1
1.2 SITE LOCATION & HISTORY .....	2
1.3 PERMIT AREA / WASTE MANAGEMENT OPERATIONS .....	3
1.4 SURRENDER REASON & TYPE .....	4
<b>2 MEASURES TAKEN TO PROTECT THE LAND.....</b>	<b>5</b>
2.1 UNDERSTANDING THE SITE .....	5
2.2 PERMITTED WASTE TYPES .....	5
2.3 WASTE ACCEPTANCE CRITERIA .....	6
2.4 LANDFILL GAS MONITORING AND REPORTING WITH THE WASTE .....	6
2.5 SURFACE WATER .....	7
<b>3 POLLUTION INCIDENTS .....</b>	<b>8</b>
3.1 CAR FORMS.....	8
3.2 SITE CONDITION REPORT.....	8
<b>4 DECOMMISSIONING AND REMOVAL OF POLLUTION RISK.....</b>	<b>9</b>
4.1 OIL/FUEL STORAGE.....	9
4.2 WASTE.....	9
4.3 FINAL RESTORATION – SEEDING AND PLANTING OF VEGETATION .....	9
<b>5 STATEMENT OF SITE CONDITION .....</b>	<b>10</b>
5.1 GENERAL .....	10

## **List of Appendices:**

**Appendix I - Drawings**

Drawing No. ASH/101 - Permit Boundary Plan

Drawing No. ASH/BHL/BYG01 – Borehole Locations

Drawing No. 2370/426/11 – Proposed Landscaping Scheme

Drawing No. 2370-426-04(B). – Agreed Landscaping Proposal

**Appendix II - Waste transfer notes and Waste Returns data summary**

**Appendix III - Site Diary Entries**

**Appendix IV - CAR forms**

**Appendix V - Gas monitoring data**

# **1**      **GENERAL CONSIDERATIONS**

## **1.1**      **Site Operator/Permit Holder**

1.1.1      ASH WASTE SERVICES LTD are seeking to surrender EPR/UP3094FQ which is an A25 Environmental Permit (EP) ie deposit of waste for a recovery activity. A waste licence was issued in 1993 for the restoration of a disused quarry (Bryn y Gaer Quarry) to restore back to agricultural land. The permit which was transferred to the current permit holder in 2005 became an Environmental Permit (EP) in 1996. Tipping did not commence until after the permit was transferred.

1.1.2      The contact details for ASH WASTE SERVICES LTD are as follows:

ASH WASTE SERVICES LTD	<b>Contact:</b>	Zoe Hassall
Broughton Mills Road	<b>Position:</b>	Director
Bretton		
Flintshire		
CH4 0BY		

1.1.3      Oaktree Environmental Ltd have been engaged as consultants for ASH WASTE SERVICES LTD for many years and have been requested to assist in the preparation of this application to surrender EPR/UP3094FQ. Contact details for Oaktree Environmental Ltd are as follows:

<b>Oaktree Environmental Ltd</b>	<b>Contact:</b>	Jan Edwards
Unit 5, Oasis Park	<b>Position:</b>	Senior Consultant
19 Road One	<b>Tel:</b>	01606 558833
Winsford Industrial Estate	<b>Fax:</b>	01606 861182
Winsford	<b>E-mail:</b>	jan@oaktree-environmental.co.uk
Cheshire CW7 3RY		

## **1.2 Site Location & History**

- 1.2.1 The site is located at BRYN Y GAER QUARRY, HOPE, FLINTSHIRE LL12 9SD, as shown on Drawing No. ASH/101. The national grid reference (NGR) for the site is SJ 31613 57708.
- 1.2.2 Quarrying at the site ceased in the 1980s and planning permission for infilling with inert wastes was issued by Alyn & Deeside District Council to Caird Environmental Ltd in December 1993. In 1997 an application was made to the local planning authority to continue infilling the quarry with inert wastes as the previous permission had expired. This was granted subject to a section 106 legal agreement. In 2002 Shanks Waste Solutions were the new owners of the site. A further planning permission was issued in April 2003.
- 1.2.3 In November 2003 ASH Waste Services Ltd purchased the site.
- 1.2.4 As detailed above the EP was issued on 21/01/1993 as a Waste Management Licence and transferred to ASH Waste Services Ltd on 25/01/2005. The infilling operation was confirmed as a 'recovery' activity and therefore a waste management activity due to the existence of the permit and Regulation 4(b) exclusion of the activities described in the 2002 Regulations. There was a modification issued on 13/09/2005 confirming the restoration scheme to be carried out under the 2003 Planning permission was to be regarded as a 'recovery' operation.
- 1.2.5 The objective of the restoration of the quarry was to stabilise the quarry walls to prevent rock fall and to complete a landform for country park after use. The 'infilling' was deemed to be 'landscaping' – restoring the quarry to an acceptable landform and improve the after use to which the site can be put.
- 1.2.6 The EP was varied on 11/3/2014 as an Administrative variation to update conditions 1.2, Table 1.7 and 2.1.1 to reflect changes to the planning permission and to update the permit holder's name and registered office address as held on Companies House and to update the facility name. Condition 1.2 updated the Planning Reference number. Table 1.7 updated the Drawing numbers. Condition

2.2.1 referenced the revised Final Contour Drawing which showed the proposed finished levels enabling the area to be used for Country Park activities.

1.2.7 Please see the Site Condition Report for the site (Doc. Ref. 3000-426-SCR) for a full consideration of the site's environmental setting, pollution history and historic land use.

### **1.3 Permit Area / Waste Management Operations**

1.3.1 The area which is the subject of this Surrender Application is outlined in RED on Drawing No. ASH/101. All references to 'the site' in this report refer to this area and the associated infrastructure, plant and equipment.

1.3.2 The permit for the site (EPR/UP3094FQ) allowed for <60,000 tonnes of inert and non hazardous soil, stone and excavated material to be accepted per annum. A limited amount of inert hardcore was permitted to make up site access and site tracks. Planning was granted initially for a maximum of 80,000 cubic metres, which was increased by a further 13,000 cubic metres for the final restoration phase in the revised planning permission 051224 issued on 17<sup>th</sup> February 2014.

1.3.3 Wastes accepted onto site were solid, dry, non hazardous waste. The majority of the waste derived from local construction and demolition jobs and was delivered predominantly in 20 tonne load fixed body tipper vehicles. The permit was licensed to accept a selection of wastes from household, commercial and industrial sources but the waste accepted was restricted to EWC 17 01 07 (mixture of concrete, bricks, tiles and ceramics) for site haul road (17 05 04 (soil and stone), 19 12 09 (minerals- eg sands, stones), 20 02 02 (soils and stones) and 01 04 09 (waste sand and clays). Refer to Appendix II for details of material accepted on site). All waste was subjected to the strict waste acceptance procedure detailed in the site's Environmental Management System.

1.3.4 Technically competent staff were in place to oversee site operations.

1.3.5 Fencing and gates prevented unauthorised access. The site is served by a main entrance gate which was locked when the site was unmanned.

1.3.6 No fuel was stored on site.

#### **1.4 Surrender Reason & Type**

1.4.1 The restoration scheme has now been completed to the final landform for the site as detailed in Drawing No. sa3653 (Site Location Plan) and Drawing 2370/426/02 proposed Finished Levels. Seeding has been completed and landscaping (planting to be in accordance with the recommendations of British Standard BS4428 1989) and aftercare scheme have been discussed and agreed with the local planning authority with a view to the site being used for country park activities eg dog walking and including car parking area.

1.4.2 Electronic communication with the site's Environment Officer (EO) from Natural Resources Wales, confirmed the site may qualify for low risk surrender. This is due to the CAR Forms not showing any significant breaches which could have led to the site being contaminated and resulting in a pollution incident, and the fact that the relevant criteria in RGN 9 (Surrender guidance) can be met.

1.4.3 Based on the above, it has been concluded that there is no requirement for intrinsic ground investigations (i.e. boreholes, groundsure report), as the level of contamination will be low or negligible. The operator has cleared all existing plant and machinery including the shaker bar wheel wash and the site has been fully restored to the levels agreed by the local planning authority. The site has landscaping and aftercare scheme in place which is being overseen by the local planning officer.

## **2 MEASURES TAKEN TO PROTECT THE LAND**

### **2.1 Understanding the Site**

### **2.2 Permitted Waste Types**

2.2.1 Waste types accepted at the site were restricted to only wastes as listed in Table 1 of the Environmental Permitting Regulations - guidance inert waste and in of RF13 (Defining Waste Recovery) Appendix 2. Therefore the likelihood of any contamination being present is considered as being extremely low. This is supported by the Site Inspection Reports and Compliance Assessment Reports completed by both Environment Agency Wales and Natural Resources Wales between 1996 and 2015. These reports are the records used in the Site Condition Report to assess the effectiveness of pollution prevention measures on site. As the site has been regularly inspected by the relevant regulatory bodies since 1993 there have been numerous inspection sheets completed and which will be held on file by NRW. During the lifetime of the permit, any instances of non-compliance would be identified on Compliance Assessment Report (CAR). According to the current operator's records of the CAR forms the only non-compliance instances on site were recorded for the 8<sup>th</sup> April 2014. The non compliances are summarised below.

- a) *General Management:* Staff competency/training- **lack of permit on site. Copy is kept in head office**
- b) *General Management:* Management system & operating procedures-**not complying with EMS control measures. This was rectified by the next day and which follow up inspection by NRW confirmed.**
- c) *Incident management:* site security: **Identification board not visible. The notice board was reinstalled on 15<sup>th</sup> April 2014.**
- d) *Amenity:* Deposits of mud on road: **Mud was being tracked onto the public highway**
- e) *Monitoring and records, maintenance and reporting:* records of activity, site diary, journal and events: **Site diary not held on site. Kept in Head Office**

*As can be seen from the above, the breaches were not related to the deposit of waste as on the recovery activity and therefore should not have any influence on the surrender application.*

2.2.2 A copy of the non compliance records have been included in Appendix IV.

## **2.3 Waste Acceptance Criteria**

2.3.1 Pre-acceptance requirements and testing – There was a tiered system in place, with a basic screen test which identified if there was any need for any further testing. Usually the producer of the waste had testing procedures in place which instructed their analytic laboratories to carry out the necessary tests and the results would be forwarded to ASH Waste as part of their pre-acceptance procedure. If there was suspicion of any contamination of the waste, the producer would be instructed to carry out further testing. If the operator was confident that the waste was not contaminated then testing was not required. Only waste which meet the pre-acceptance criteria was accepted into Bryn y Gaer Quarry.

2.3.2 Visual tests were carried out by relevantly qualified persons on all loads accepted onto the Bryn y Gaer site.

2.3.3 Waste characterisation - the producer of the waste had the responsibility for characterising the waste and this information was used by ASH Waste Ltd to ascertain the suitability of the waste for Bryn y Gaer. Each individual waste stream would be characterised and tested as part of the waste characterisation.

## **2.4 Landfill gas monitoring and reporting with the waste**

2.4.1 There was a requirement in the permit for monitoring and sampling of landfill gas to be undertaken in at least 4 locations. Monitoring boreholes for the monitoring of landfill gas were installed around the perimeter of the site within the body of the waste mass. Locations of the original boreholes can be seen on Drawing ASH/BHL/BYG01. (Copy attached in Appendix I). Each borehole consisted of minimum 150mm diameter containing a ridged HDPE casting of minimum internal diameter of 50mm. The annulus of the borehole being packed with non-calcareous

pea gravel and the surface of the borehole was fitted with a gas tight seal. The boreholes were designed for gas sampling and the headworks were protected from damage.

2.4.2 The boreholes were monitored by suitably competent/qualified persons for Methane, Carbon dioxide and Atmospheric pressure twice a year and the results were submitted to Environment Agency Wales/ Natural Resources Wales. Monitoring commenced in 1993.

2.4.3 A landfill gas generation action plan was never required as the gas results were not regarded as having exceeded the trigger levels of Methane 1% by volume nor Carbon dioxide 1.5% by volume.

2.4.4 Gas results for Bryn y Gaer Quarry have been submitted to the relevant authorities included the Local Planning Authority, Environment Agency Wales and Natural Resources Wales throughout the life of the site. Results from 2011 to 2015 have been included in Appendix V. Earlier data has been archived. All results indicate that there was no generation of gas.

## **2.5 Surface water**

2.5.1 During the operational phase infill material was placed and compacted into layers to form gradients no steeper than 1 in 3, each layer placed to a fall to encourage surface water run-off. Operational soakaways constructed as filling progressed to encourage surface water to soak away. The site access road was constructed to shed water to the sides of the road which was intercepted and diverted to soakaways at the side of the road.

2.5.2 Post restoration phase - the management of surface water will be achieved by providing the agreed landform ie final contours, emplacement of free draining soils in the restored surface and vegetation growth and tree planting on the final levels.

### **3 POLLUTION INCIDENTS**

#### **3.1 CAR Forms**

3.1.1 According to the current operator's records of the CAR forms the only non-compliance instances on site were recorded for the 8<sup>th</sup> April 2014. As indicated in 2.2.1, the CAR forms confirm that, the site does not have a history of any pollution incidents.

#### **3.2 Site Condition Report**

3.2.1 A Site Condition Report accompanies this application (Doc. Ref. 2370/426/SCR) and reference is made to the site's history as a disused quarry. As no qualitative assessments were carried out prior to the site being issued with planning and a waste licence, it is unknown whether the site had history of any pollution incidents before the current use. It is important to note that there have been no pollution incidents resulting from the permitted restoration operation.

## **4 DECOMMISSIONING AND REMOVAL OF POLLUTION RISK**

### **4.1 Oil/Fuel Storage**

4.1.1 No fuel has been stored on site. The operator has confirmed that there has been no spillages of oil/fuel during the life of the site.

### **4.2 Waste**

4.2.1 The only potential risk would be rejected waste and this would be contained in clearly labelled skip or other container for the deposit of rejected waste which cannot be removed from the site immediately. However due to the strict pre-waste acceptance procedure carried out on all the loads accepted and therefore deposited on site, only wastes allowed under the permit have been used in the restoration of Bryn y Gaer Quarry.

### **4.3 Final Restoration – seeding and planting of vegetation**

4.3.1 The seeding and landscaping scheme has been submitted and agreed with the local Planning Authority. Details are shown on Drawing No. 2370-426-04(B).

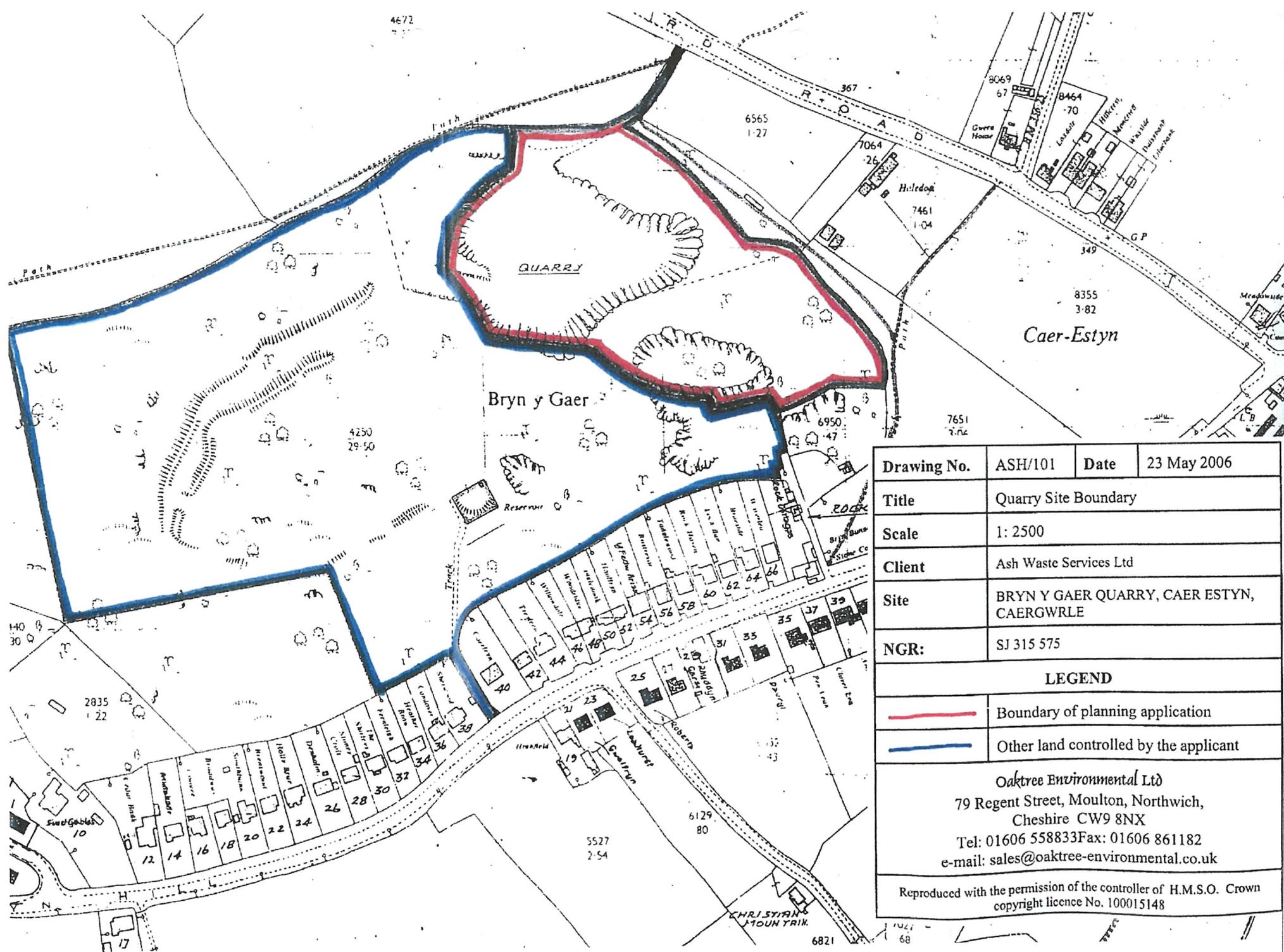
## **5      STATEMENT OF SITE CONDITION**

### **5.1      General**

- 5.1.1      For an EP surrender application to be successful, the operator must demonstrate that the site is not likely to cause pollution of the environment or harm to human health. The non-compliance as detailed in Section 2.2.1 above were not associated with the actual deposit of waste and no pollution incidents according to our records were recorded during the lifetime of the permit and therefore the land is deemed to be in satisfactory condition.
- 5.1.2      The site records, for example the site dairy, transfer notes, completed CAR forms, gas monitoring results associated with the recovery activity at Bryn y Gaer Quarry, all of which have been shared with the various regulators, show that the site did not cause pollution of the environment or harm to human health.

# Appendix I

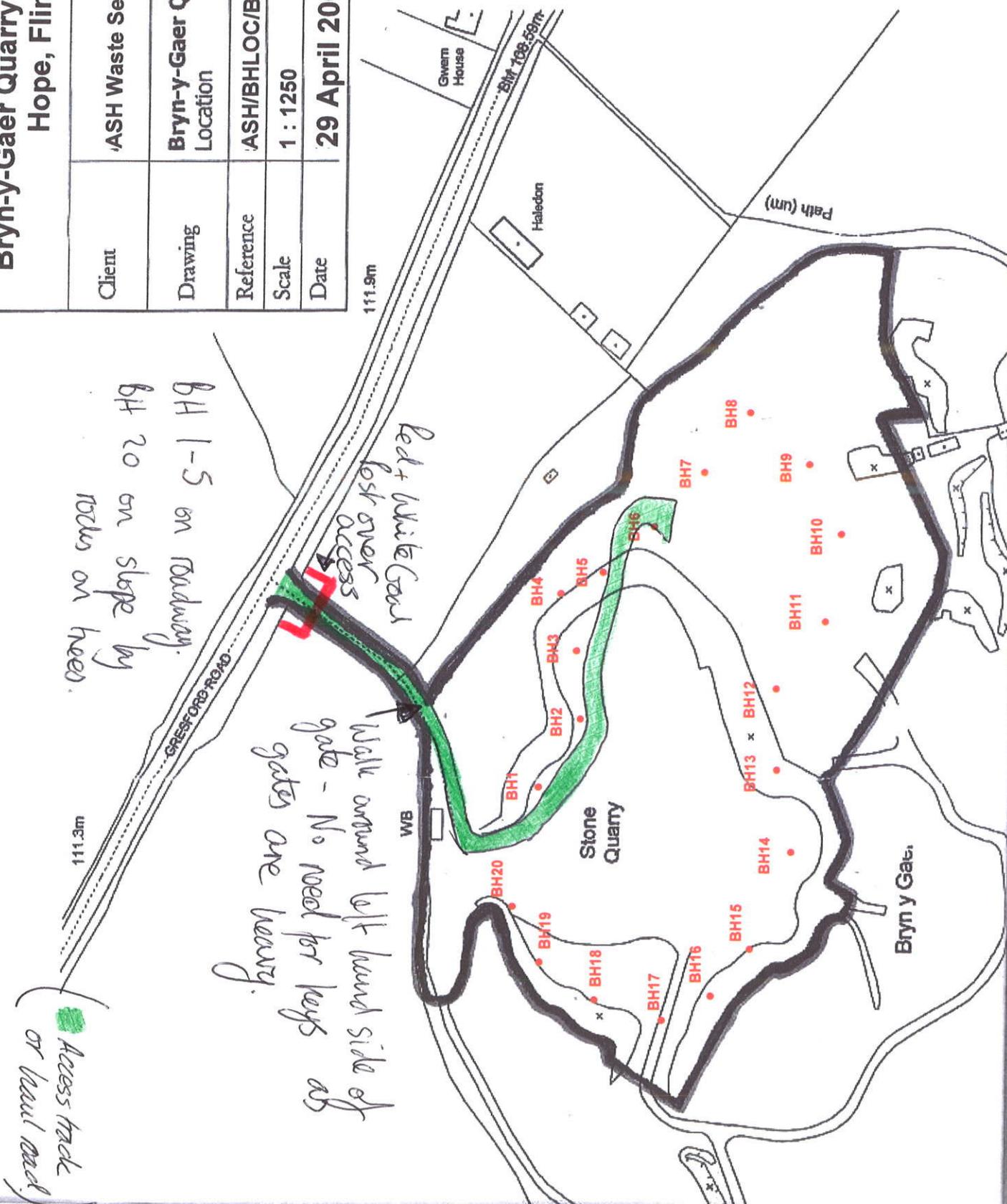
## Drawings



Drawing No.	ASH/101	Date	23 May 2006
Title	Quarry Site Boundary		
Scale	1: 2500		
Client	Ash Waste Services Ltd		
Site	BRYN Y GAER QUARRY, CAER ESTYN, CAERGWRLE		
NGR:	SJ 315 575		
<b>LEGEND</b>			
	Boundary of planning application		
	Other land controlled by the applicant		
<p>Oaktree Environmental Ltd          79 Regent Street, Moulton, Northwich,          Cheshire CW9 8NX          Tel: 01606 558833 Fax: 01606 861182          e-mail: sales@oaktree-environmental.co.uk</p>			
<p>Reproduced with the permission of the controller of H.M.S.O. Crown          copyright licence No. 100015148</p>			

**AS. Resource Management Limited**  
**Bryn-y-Gaer Quarry, Gresford Road,**  
**Hope, Flintshire.**

Client	ASH Waste Services Ltd
Drawing Location	Bryn-y-Gaer Quarry, Hope
Reference	ASH/BHLOC/BYG01
Scale	1 : 1250
Date	29 April 2008





Reproduced with the permission of the controller of H.M.S.O. Crown copyright licence No. 100015148

**Oaktree Environmental Ltd**  
 Waste Management and Environmental Consultants  
 Unit 5, Oaks Park, 19 Road One, Winsford, Cheshire CW7 3RY  
 Tel: 01606 558833 Fax: 01606 861182  
 E-mail: sales@oaktree-environmental.co.uk

Title: FINAL CONTOURS PLAN		
Drawing No: 2370/426/11		
Client: ASH Group Ltd		
Site: Bryn y Gaer, Gresford Road, Llay		
Scale: 1:500	NGR:	
Date: 15 June 2015	Printed At: A2	
Revision: -	Drawn By: RS	Checked:
Job No: 2370	Client No: 426	

**KEY:**

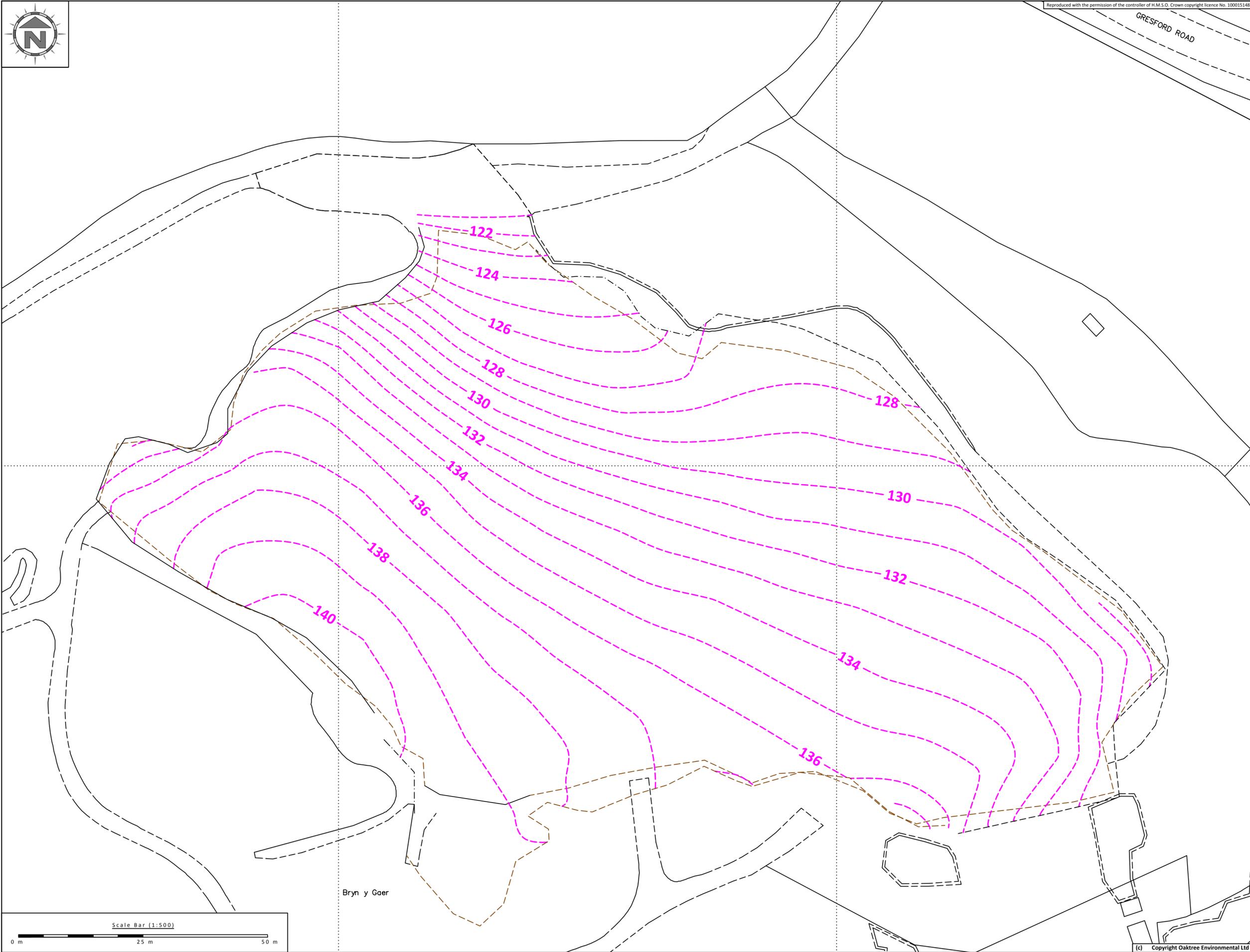
--- Final ground level contours (@ 1 m intervals)

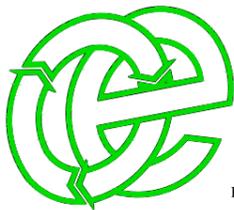
**Notes:**

Data for the "final ground level contours" gathered during a topographical survey of the site undertaken on 5th February 2015 by Richard Sims of Oaktree Environmental Ltd using a Networked Topcon HIPER V Rover unit to the OSTN02 grid projection and OSGM02 Geoid.

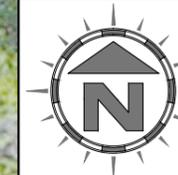
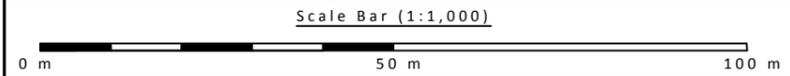
**Revision Details:**

Rev:	Description:	Date:
-	Initial drawing	15/06/15





**Oaktree Environmental Ltd**  
 Planning, Waste Management  
 and Environmental Consultants  
 Unit 5, Oasis Park, 19 Road One  
 Winsford Industrial Estate  
 Winsford, Cheshire CW7 3RY  
 Tel: 01606 558833 Fax: 01606 861182  
 E-mail: sales@oaktree-environmental.co.uk



Title: <b>LANDSCAPING PLAN</b>	
Drawing No: <b>2370/426/04</b>	Revision: <b>B</b>
Client: <b>ASH Group Ltd</b>	
Site: <b>Bryn y Gaer, Gresford Road, Llay</b>	
Date: <b>18 November 2013</b>	Printed At: <b>A3</b>
Scale: <b>1:1,000</b>	
Job No: <b>2370</b>	Client No: <b>426</b>
Drawn By: <b>RS</b>	Checked: <b>-</b>

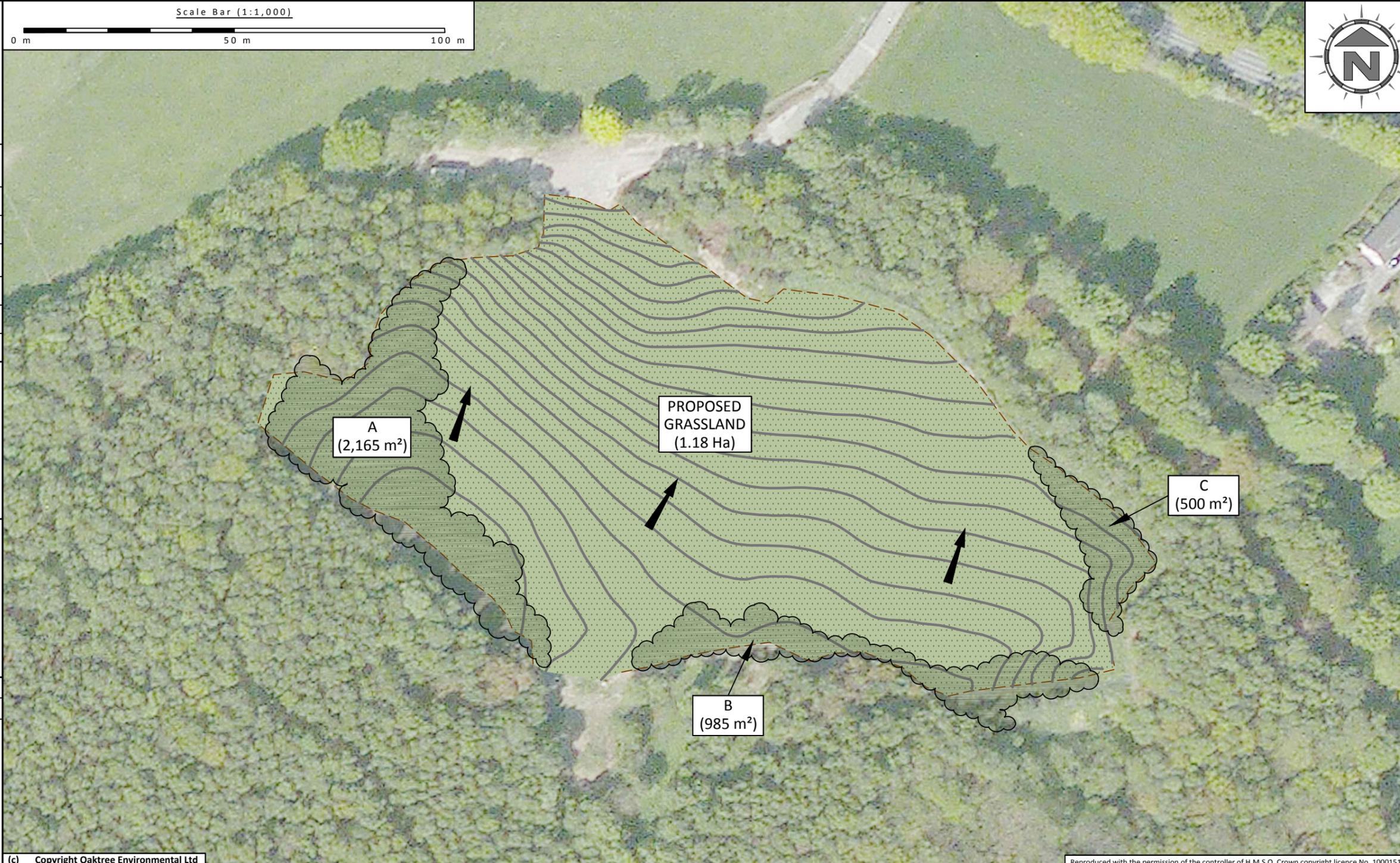
- Key:**
- Slope direction arrows (downwards)
  - 1 metre contour lines
  - Proposed woodland planting (Blocks A, B & C - as shown)

**Notes:**

- (1) Drawing for indication only.
- (2) Do not scale from this drawing.
- (3) Site to be utilised in the long-term for informal community use and therefore left to naturally regenerate following completion of the planting and aftercare scheme as detailed below.

**Revision Details:**

Rev:	Description:	Date:
-	Initial drawing	05/09/13
A	Updated following N. Wales Minerals and Waste Planning Service comments	06/11/13
B	Updated following Forestry Officer's comments	18/11/13



(c) Copyright Oaktree Environmental Ltd

Reproduced with the permission of the controller of H.M.S.O. Crown copyright licence No. 100015148

**PLANTING SCHEDULE:**

**Proposed Woodland Planting:**

Three woodland planting blocks will be provided on the restored quarry site to ensure that the restored site merges with adjacent undisturbed woodland. Planting will be undertaken randomly according to the specifications detailed below. The overall planting ratios, densities and number of specimens are given for each plant type. All planted specimens will be supplied as whips and encircled by a 300 mm translucent guard with a 450 mm cane for protection. All plants will be compliant with the requirements of British Standard BS 3936-1:1992 for nursery stock. Planting will be mixed at random with groups of 4-7 plants at 2x2.5 metre centres.

Large Trees (40% Overall):	Size:	%:	Density:	No:
<i>Betula pendula</i> (Silver Birch)	1+1 40-60	40	1 / 20 sq. m	175
<i>Sorbus aucuparia</i> (Rowan)	1+1 40-60	10	1 / 80 sq. m	45
<i>Quercus robur</i> (Oak)	1u1 40-60	35	1 / 24 sq. m	150
<i>Castanea sativa</i> (Sweet Chestnut)	1u1 60-80	15	1 / 56 sq. m	65
<b>TOTAL:</b>				<b>435</b>

Shrub Species (60% Overall):	Size:	%:	Density:	No:
<i>Acer campestre</i> (Field Maple)	1+1 40-60	25	1 / 22 sq. m	165
<i>Corylus avellana</i> (Hazel)	1+1 40-60	20	1 / 36 sq. m	130
<i>Crataegus monogyna</i> (Hawthorn)	1u1 40-60	50	1 / 12 sq. m	330
<i>Ilex aquifolium</i> (Holly)	p9 30-40	5	1 / 36 sq. m	30
<b>TOTAL:</b>				<b>655</b>

**Proposed Grassland:**

The following grass seed mix (or similar) will be used on the remainder of the restored area to stabilise the soil structure and to return the area to grassland. The grass will be sown at 15 kg/acre between Nov and Mar in weed-free soil.

Grass Seed:	%:
<i>Agrostis capillaris</i> (Browntop Bent)	5
<i>Cynosurus cristatus</i> (Crested Dog's Tail)	20
<i>Festuca ovina</i> (Sheep's Fescue)	35
<i>Festuca rubra litoralis</i> (Fine Fescue)	20
<i>Phleum pratense bertolonii</i> (Smaller catstail)	10
<i>Poa pratensis</i> (Smooth Stalked Meadowgrass)	10

**AFTERCARE SCHEME:**

**Proposed Woodland Planting (5 year):**

1. All plants (trees/shrubs) in the woodland planting blocks are to be maintained until established.
2. Newly-planted areas should be checked for weed growth no less than twice between 1st April and 31st October and sprayed soon after.
3. Each tree/shrub will be spot-sprayed with glyphosate to a radius of 0.5 metres. This will be carried out twice-yearly firstly in May and then in September.
4. Plants should be regularly watered during dry periods for the first two years.
5. Any shrubs/trees in poor condition or that die out in the first five years shall be replaced. Replacement planting shall be maintained as above to ensure establishment.
6. Trimming and thinning of the woodland planting areas will be carried out in the fifth year following planting. This will be carried out in the December to February period.

**Proposed Grassland (5 year):**

1. The grassland should be left unmanaged during an establishment phase of 18 months. Weeds should be removed after this period to facilitate growth. Areas with poor rates of growth will be re-seeded during this period.
2. Following this, the grass should be strimmed annually, or as required.
3. Cutting/strimming of the grassed areas will be carried out during the summer months (August would be preferable) and will be selective based on the ability of the seeding to take hold (i.e. little or no trimming where the grass is patchy or failing to germinate).
4. The grass will be inspected for weed growth and die-back every 6 months and re-planted if necessary.
5. Newly grassed areas will be checked for litter/debris on a monthly basis.

## Appendix II

# Waste Transfer Notes and Waste Returns data Summary



No: 42117

May 2008

A. Neans

Pontblyddyn

Flintshire

1 load

17 05 04

Broughton Mill Road, Bretton, Flintshire CH4 0BY  
Sales Tel. 01244 660422 Accounts Tel. 01244 663500 Fax. 01244 661652  
www.alansskips.co.uk E-mail: enquiries@alansskips.co.uk

WAGON HIRE DIVISION

**FREEPHONE 0800 195 4707**

- 6 X 8 WHEEL TIPPERS
- DISPOSAL FACILITIES
- 8yd<sup>3</sup> SKIP HIRE
- ROLL ON / ROLL OFF HIRE
- CRUSHER HIRE
- WE SUPPLY
- TOP SOIL
- CRUSHED BRICK / CONCRETE
- FILL MATERIALS
- LARGE & SMALL QUANTITIES

Contractor: <b>A Neans</b>		Driver's Name: <b>P CRIFTHS</b>			
Site Address: <b>Brook Cottage</b>		Vehicle Reg. No: <b>AHSZ ASH</b>			
<b>Pontblyddyn</b>		Date: <b>14-5-08</b>			
Description of Waste: <b>SPoil</b>		Order No:			
No.	Loads Removed From Site	Customer's Signature	Customer's Name Print		
1	<b>1 LOAD TIPPED BRWN-Y-GAER</b>				
2	<del>1 LOAD TIPPED BRWN-Y-GAER</del>				
3					
4					
5					
6					
7					
8					
A.M.		P.M.		TRAVELLING TIME	HRS. WORKED EX. MEALTIME
FROM	TO	FROM	TO		
DRIVER'S SIGNATURE & DATE:			HIRER'S SIGNATURE & DATE:		
DATE:			DATE:		



No: 33328

VAT Reg. No. 817 7436 09 Company Reg. No. 4829675

Lorry & JCB Hire • Waste Transfer Station • Tipping Facilities  
Bulk Containers • Skip Hire • Top Soil + Hardcore Available

Broughton Mill Road, Bretton, Flintshire CH4 0BY  
Sales Tel. 01244 660422 Accounts Tel. 01244 663500  
Fax. 01244 661652

Freephone 0800 195 4707

www.alansskips.co.uk E-mail: enquiries@alansskips.co.uk

VAT Reg. No. 817 7436 09

YOUR ORDER NO.		DATE 29.5.08	
<b>DELIVERY / COLLECTION NOTE</b>			
VEHICLE REG. NO. OX08LGE		PRODUCT ORDERED	
CUSTOMER NAME & ADDRESS		Soil	
BNP DEVELOPMENTS		QUANTITY ORDERED	
BUCKLEY		4 x LOADS.	
to ASH TIP		PRICE PER TONNE	
BEYN-Y-GAER.			
PAYMENT DUE		WEIGHT	
GOODS .....		GROSS .....	
V.A.T. @ .....		TARE .....	
INVOICE TOTAL .....		NETT .....	
OTHER INSTRUCTIONS			
.....		DELIVERED	<input checked="" type="checkbox"/>
.....		COLLECTED	<input type="checkbox"/>
SIGNED <i>[Signature]</i>		PRINT	
YOUR CUSTOM IS GREATLY APPRECIATED AND YOU HAVE HELPED THE ENVIRONMENT BY USING OUR RECYCLED PRODUCT. PLEASE DO NOT HESITATE TO CALL AGAIN.			
THANK YOU. ALAN'S SKIP HIRE LTD.			

May 2008.  
BNP Developments.

Flintshire (Buckley).

4 loads.

17 05 04

FLINTSHIRE. 230 loads 17 05 04  
 No: 37051  
 4163 tonnes.  
 VAT Reg. No. 817 7436 09 Company Reg. No. 4829675



Lorry & JCB Hire • Waste Transfer Station • Tipping Facilities  
 Bulk Containers • Skip Hire • Top Soil • Hardcore Available

Broughton Mill Road, Bretton, Flintshire CH4 0BY  
 Sales Tel. 01244 660422 Accounts Tel. 01244 663500  
 Fax. 01244 661652  
 www.alansskips.co.uk E-mail: enquiries@alansskips.co.uk

**Freephone 0800 195 4707**

YOUR ORDER NO.		DATE 10/12/08	
<b>DELIVERY / COLLECTION NOTE</b>			
VEHICLE REG. NO. CX08 LFZ		PRODUCT ORDERED	
CUSTOMER NAME & ADDRESS			
AIRBUS		QUANTITY ORDERED	
1		10 LOADS	
BRYN Y GAER		PRICE PER TONNE	
PAYMENT DUE		WEIGHT	
GOODS .....		GROSS .....	
V.A.T. @ .....		TARE .....	
INVOICE TOTAL .....		NETT .....	
OTHER INSTRUCTIONS			
.....		DELIVERED	<input type="checkbox"/>
.....		COLLECTED	<input type="checkbox"/>
SIGNED		PRINT	
OUR CUSTOM IS GREATLY APPRECIATED AND YOU HAVE HELPED THE ENVIRONMENT BY USING OUR RECYCLED PRODUCT. PLEASE DO NOT HESITATE TO CALL AGAIN.			
THANK YOU. ALAN'S SKIP HIRE LTD.			

Cheshire 23 loads 20 02 02  
 No: 33805  
 4163 tonnes.  
 VAT Reg. No. 817 7436 09 Company Reg. No. 4829675



Lorry & JCB Hire • Waste Transfer Station • Tipping Facilities  
 Bulk Containers • Skip Hire • Top Soil + Hardcore Available

Broughton Mill Road, Bretton, Flintshire CH4 0BY  
 Sales Tel. 01244 660422 Accounts Tel. 01244 663500  
 Fax. 01244 661652  
 www.alansskips.co.uk E-mail: enquiries@alansskips.co.uk

**Freephone 0800 195 4707**

VAT Reg. No. 817 7436 09

YOUR ORDER NO.		DATE 14.11.08	
<b>DELIVERY / COLLECTION NOTE</b>			
VEHICLE REG. NO. CX08 LGD		PRODUCT ORDERED	
CUSTOMER NAME & ADDRESS WE PARSONS		2 x 20 LOADS SPOL	
CLUSTER ZOO		QUANTITY ORDERED	
PAYMENT DUE		WEIGHT	
GOODS .....		GROSS .....	
V.A.T. @ .....		TARE .....	
INVOICE TOTAL .....		NETT .....	
OTHER INSTRUCTIONS			
.....		DELIVERED	<input checked="" type="checkbox"/>
.....		COLLECTED	<input type="checkbox"/>
SIGNED		PRINT	
YOUR CUSTOM IS GREATLY APPRECIATED AND YOU HAVE HELPED THE ENVIRONMENT BY USING OUR RECYCLED PRODUCT. PLEASE DO NOT HESITATE TO CALL AGAIN.			
THANK YOU. ALAN'S SKIP HIRE LTD.			

# Appendix III

## Site Diary Entries

Sum of Amount	Column Labels											
Row Labels	Q1 2008	Q1 2009	Q1 2012	Q2 2008	Q2 2009	Q2 2015	Q3 2008	Q3 2009	Q3 2014	Q4 2008	Q4 2014	Grand Total
170107												
mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06		141										141
170504												
soil and stones other than those mentioned in 17 05 03	3,547	6,679	3,572	8,655	11,045	2,880	8,503	3,711	1,424	21,599	2,700	74,314
191209												
minerals (e.g. sand, stones)	10,317	6,950		13,720	5,251		8,217	4,489		5,683		54,628
200202												
soil and stones	561	688		1,213	489		1,050			833		4,833
010409												
waste sand and clays		380										380
<b>Grand Total</b>	<b>14,946</b>	<b>14,317</b>	<b>3,572</b>	<b>23,587</b>	<b>16,785</b>	<b>2,880</b>	<b>17,771</b>	<b>8,199</b>	<b>1,424</b>	<b>28,115</b>	<b>2,700</b>	<b>134,296</b>



Q2 2009	Ellesmere Port & Neston	170504	No	No	Solid	144.8	Tonnes	soil and stones other than those mentioned in 17 05 03
Q2 2009	Ellesmere Port & Neston	170504	Yes	No	Solid	705.9	Tonnes	soil and stones other than those mentioned in 17 05 03
Q2 2009	Ellesmere Port & Neston	170504	No	No	Solid	796.4	Tonnes	soil and stones other than those mentioned in 17 05 03
Q2 2009	Ellesmere Port & Neston	170504	No	No	Solid	72.8	Tonnes	soil and stones other than those mentioned in 17 05 03
Q2 2009	Flintshire UA	191209	No	No	Solid	3095.1	Tonnes	minerals (e.g. sand, stones)
Q2 2009	Flintshire UA	170504	No	No	Solid	941.2	Tonnes	soil and stones other than those mentioned in 17 05 03
Q2 2009	Flintshire UA	170504	No	No	Solid	561.1	Tonnes	soil and stones other than those mentioned in 17 05 03
Q2 2009	Flintshire UA	170504	No	No	Solid	488.7	Tonnes	soil and stones other than those mentioned in 17 05 03
Q2 2009	Flintshire UA	170504	No	No	Solid	489.6	Tonnes	soil and stones other than those mentioned in 17 05 03
Q2 2009	Flintshire UA	170504	No	No	Solid	73.2	Tonnes	soil and stones other than those mentioned in 17 05 03
Q2 2009	Wrexham UA	191209	No	No	Solid	56.7	Tonnes	minerals (e.g. sand, stones)
Q2 2009	Wrexham UA	170504	No	No	Solid	1339.4	Tonnes	soil and stones other than those mentioned in 17 05 03
Q2 2009	Wrexham UA	170504	No	No	Solid	183	Tonnes	soil and stones other than those mentioned in 17 05 03
Q3 2009	Chester	191209	No	No	Solid	36.2	Tonnes	minerals (e.g. sand, stones)
Q3 2009	Chester	170504	No	No	Solid	108.6	Tonnes	soil and stones other than those mentioned in 17 05 03
Q3 2009	Chester	170504	No	No	Solid	1484.2	Tonnes	soil and stones other than those mentioned in 17 05 03
Q3 2009	Flintshire UA	191209	No	No	Solid	2081.5	Tonnes	minerals (e.g. sand, stones)
Q3 2009	Flintshire UA	170504	No	No	Solid	796.4	Tonnes	soil and stones other than those mentioned in 17 05 03
Q3 2009	Wrexham UA	170504	No	No	Solid	995.5	Tonnes	soil and stones other than those mentioned in 17 05 03
Q3 2009	Ellesmere Port & Neston	191209	No	No	Solid	2371.1	Tonnes	minerals (e.g. sand, stones)
Q3 2009	Ellesmere Port & Neston	170504	No	No	Solid	325.8	Tonnes	soil and stones other than those mentioned in 17 05 03
Q1 2012	Flintshire UA	170504	No	No	Solid	3572	Tonnes	soil and stones other than those mentioned in 17 05 03
Q3 2014	Chester	170504	N	No	Solid	1424	Tonnes	soil and stones other than those mentioned in 17 05 03
Q4 2014	Flintshire	170504	N	No	Solid	2700	Tonnes	soil and stones other than those mentioned in 17 05 03
Q2 2015	Flintshire	170504	N	No	Solid	2880	Tonnes	soil and stones other than those mentioned in 17 05 03





### General Comments

Monday			Dives query on site, remove from site <i>[Signature]</i>	EA Visit
Site COTC Cover	AM 8:00	PM		
Staff on Annual Leave	AM	PM 10:00		
Staff Off on Sick Leave	AM	PM		
Tuesday				EA Visit
Site COTC Cover	AM	PM		
Staff on Annual Leave	AM	PM		
Staff Off on Sick Leave	AM	PM		
Wednesday			210 needs fuel + air filter blay out wheel wash / refill browser / clean nozzle on lance	EA Visit
Site COTC Cover	AM	PM		
Staff on Annual Leave	AM	PM		
Staff Off on Sick Leave	AM	PM		
Thursday			<i>[Signature]</i>	EA Visit
Site COTC Cover	AM 8:00	PM 4:30		
Staff on Annual Leave	AM	PM		
Staff Off on Sick Leave	AM	PM		
Friday			Reeds clean Site Tidy fuel needed for excavator <i>[Signature]</i>	EA Visit
Site COTC Cover	AM	PM		
Staff on Annual Leave	AM 8:00	PM 10:00		
Staff Off on Sick Leave	AM 3:30	PM 4:30		
Saturday				EA Visit
Site COTC Cover	AM	PM		
Staff on Annual Leave	AM	PM		
Staff Off on Sick Leave	AM	PM		
Sunday				EA Visit





**General Comments:**

<b>Monday</b>			<p>Road sweeper Jet washer + wheel washer all present on site Till Road and grade site. spirit Autos.</p>	EA Visit
No. Loads into site				
Staff on annual leave	AM	PM		
Staff off on sick leave	AM	PM		
<b>Tuesday</b>			<p>Sweeper + Jet Washer + wheel washer sit Roads very clean.</p>	EA Visit
No. Loads into site				
Staff on annual leave	AM	PM		
Staff off on sick leave	AM	PM		
<b>Wednesday</b>			<p>Same as above no problems</p>	EA Visit
No. Loads into site				
Staff on annual leave	AM	PM		
Staff off on sick leave	AM	PM		
<b>Thursday</b>			<p>All as per above.</p>	EA Visit
No. Loads into site				
Staff on annual leave	AM	PM		
Staff off on sick leave	AM	PM		
<b>Friday</b>			<p>problem with down pour. Daily water on road not mud. JD attended and sorted</p>	EA Visit
No. Loads into site				
Staff on annual leave	AM	PM		
Staff off on sick leave	AM	PM		
<b>Saturday</b>				EA Visit
No. Loads into site		AM		
Staff on annual leave		AM		
Staff off on sick leave		AM		
<b>Sunday</b>				EA Visit





**General Comments:**

Monday			Road sweeper late starting up 12 lanes held back until arrived at 9.30 Road excellent No Breakdown	EA Visit
No. Loads into site				
Staff on annual leave	AM	PM		
Staff off on sick leave	AM	PM		
Tuesday			Road good. No problems Sweeper on site 7.50 explained as should have been 7.30. Road good.	EA Visit
No. Loads into site				
Staff on annual leave	AM	PM		
Staff off on sick leave	AM	PM		
Wednesday			Road restored back to original fine line. Batter down to many in with existing slopes and rock face.	EA Visit
No. Loads into site				
Staff on annual leave	AM	PM		
Staff off on sick leave	AM	PM		
Thursday			All good, dry materials, sound clays	EA Visit
No. Loads into site				
Staff on annual leave	AM	PM		
Staff off on sick leave	AM	PM		
Friday			Final stages of Restoration. Sweeper on site. Cleaner Power washer. Soil over areas as road filled	EA Visit
No. Loads into site				
Staff on annual leave	AM	PM		
Staff off on sick leave	AM	PM		
Saturday				EA Visit
No. Loads into site		AM		
Staff on annual leave		AM		
Staff off on sick leave		AM		
Sunday				EA Visit
No. Loads into site				
Staff on annual leave				
Staff off on sick leave				

# Appendix IV

## CAR Forms

**This form will report compliance with your permit as determined by an NRW officer**

Site	Bryn Y Gaer Quarry		Permit Ref	37050		
Operator/ Permit holder	Ash Waste Services Ltd					
Date	08/04/2014		Time in	15:15	Out	15:35
What parts of the permit were assessed	General considerations, site infrastructure, site operations, site records					
Assessment	Site Inspection	EPR Activity:	Installation	Waste Op	X	Water Discharge
Recipient's name/position	John Dennan - Director					
Officer's name	Rachel Twiss, Andrew Sowerby		Date issued	29/04/2014		

**Section 1 - Compliance Assessment Summary**

This is based on the requirements of the permit under the Environmental Permitting Regulations. A detailed explanation and any action you may need to take are given in the "Detailed Assessment of Compliance" (section 3). This summary details where we believe any non-compliance with the permit has occurred, the relevant condition and how the non-compliance has been categorised using our Compliance Classification Scheme (CCS). CCS scores can be consolidated or suspended, where appropriate, to reflect the impact of some non-compliances more accurately. For more details of our CCS scheme, contact your local office.

Permit Conditions and Compliance Summary			Condition(s) breached
<b>a) Permitted activities</b>	1. Specified by permit	A	
<b>b) Infrastructure</b>	1. Engineering for prevention & control of pollution	A	
	2. Closure & decommissioning	NA	
	3. Site drainage engineering (clean & foul)	N	
	4. Containment of stored materials	N	
	5. Plant and equipment	N	
<b>c) General management</b>	1. Staff competency/ training	C3	1.4.2
	2. Management system & operating procedures	C3	4.1.1
	3. Materials acceptance	A	
	4. Storage handling, labelling, segregation	N	
<b>d) Incident management</b>	1. Site security	C4	3.1.1
	2. Accident, emergency & incident planning	N	
<b>e) Emissions</b>	1. Air	A	
	2. Land & Groundwater	A	
	3. Surface water	N	
	4. Sewer	NA	
	5. Waste	N	
<b>f) Amenity</b>	1. Odour	A	
	2. Noise	A	
	3. Dust/fibres/particulates	A	
	4. Pests, birds & scavengers	A	
	5. Deposits on road	C3	4.1
<b>g) Monitoring and records, maintenance and reporting</b>	1. Monitoring of emissions & environment	N	
	2. Records of activity, site diary, journal & events	C4	7.3.1
	3. Maintenance records	N	
	4. Reporting & notification	N	
<b>h) Resource efficiency</b>	1. Efficient use of raw materials	NA	
	2. Energy	NA	

**KEY: C1, C2, C3, C4 = CCS breach category ( \* suspended scores are marked with an asterisk), A = Assessed (no evidence of non-compliance), N = Not assessed, NA = Not Applicable, O = Ongoing non-compliance – not scored**

<b>Number of breaches recorded</b>	5	<b>Total compliance score</b> (see section 5 for scoring scheme)	12.2
------------------------------------	---	---	------

**If the Total No Breaches is greater than zero, then please see Section 3 for details of our proposed enforcement response**

## Section 2 – Compliance Assessment Report Detail

This section contains a report of our findings and will usually include information on:

- the part(s) of the permit that were assessed (e.g. maintenance, training, combustion plant, etc)
- where the type of assessment was 'Data Review' details of the report/results triggering the assessment
- any non-compliances identified
- any non-compliances with directly applicable legislation
- details of any multiple non-compliances
- information on the compliance score accrued inc. details of suspended or consolidated scores.
- details of advice given
- any other areas of concern
- all actions requested
- any examples of good practice.
- a reference to photos taken

This report should be clear, comprehensive, unambiguous and normally completed within 14 days of an assessment.

This site visit was carried out as a result of an incident report where mud was being tracked onto the public highway from the Bryn y Gaer site. The weather at the time was fine and dry although it had rained the previous day.

On approaching the site mud could clearly be seen on the public highway. On entry to the track leading up to the site, deep, wet mud was present which covered the whole track and area below the sloped bank where material was being deposited.

One wagon was on site and parked up below the bank. On being asked if a site manager/supervisor was present the driver said the only other staff member present was the machine operative. On scaling the bank to get a look at the whole site the material recently brought onto site looked to be clean and consisted mostly of soil. The operative continued with his work whilst photographs across the site were taken.

During the site inspection the following breaches were observed:

### **c1) General management – staff competency and training, Permit Condition 1.4.2 - Availability of licence and working plan - CCS category 3 breach**

A copy of the permit and the working plan should be kept available on site for reference when required by all staff carrying out work under the requirements of the licence. These documents were not available on site and this was confirmed the following day by John Dennan.

### **c2) General management - management system and operating procedures, Permit Condition 4.1.1 – CCS category 3 breach**

The control measures outlined in the permit, working plan/EMS and the Mud Management plan were not being implemented to prevent the deposit of tracking of mud or debris arising from the site onto the public highway. However, a road sweeper was in place.

### **d1) Incident management – site security, Permit Condition 3.1.1 - Provision of site identification board - CCS category 4 breach**

The permit clearly states that no wastes shall be received at the site until an identification board has been provided at or near the site entrance. No identification board was in place at the time of this visit and the days following until 15th April.

### **f5) Amenity – deposits on road, Permit Condition 4.1 - Control of mud and debris - CCS category 3 breach**

Mud was clearly visible being tracked onto the public highway from the site.

### **g2) MRMR – records of activity, site diary, journal & events, Permit Condition 7.3.1 - Site diary - CCS category 4 breach**

A site diary should be kept secure and available for inspection at the site when required by an unauthorised officer of Natural Resources Wales. This was not available on site.

### **General comments**

I was encouraged to see that ASH had partly addressed the issue of excess mud within the site during a following visit to meet with John Dennan on 10th April. Some of the mud situated on the upper track and open parking area on the site had been scraped off and deposited in a temporary lagoon at the base of the slope. Some of the rough ground was now visible. The amount of mud being tracked onto the highway had been reduced as a result although there was still a need for the road sweeper.

The site manager said that some further removal of mud would be carried out in this area and some hardcore would be brought onto site to improve the track. The site manager agreed to improve the management of the mud from within the site and keep on top of the prevention of mud being tracked onto the road. If necessary all vehicles leaving site should be cleaned prior to leaving the site as outlined in the permit, working plan/EMS and Mud Management Plan.

Regular drive-bys will be carried out by NRW to monitor the levels of mud on the road.

Thank you for your time on site and please keep me updated on site progress and activities.

kind regards  
Rachel Twiss

*In this document, 'Natural Resources Wales' means the Natural Resources Body for Wales established by Article 3 of the Natural Resources Body for Wales (Establishment) Order 2012*



**This form will report compliance with your permit as determined by an NRW officer**

Site	Bryn Y Gaer Quarry	Permit	37050
Operator/ Permit	Ash Waste Services Ltd	Date	08/04/2014

**Section 3- Enforcement Response** **Only one of the boxes below should be ticked**

<p>You must take immediate action to rectify any non-compliance and prevent repetition. Non-compliance with your permit conditions constitutes an offence and can result in criminal prosecutions and/or suspension or revocation of a permit. Please read the detailed assessment in Section 2 and the steps you need to take in Section 4 below.</p>	
Other than the provision of advice and guidance, at present we do not intend to take further enforcement action in respect of the non-compliance identified above. This does not preclude us from taking enforcement action if further relevant information comes to light or advice isn't followed.	<input type="checkbox"/>
In respect of the above non-compliance you have been issued with a warning. At present we do not intend to take further enforcement action. This does not preclude us from taking additional enforcement action if further relevant information comes to light or offences continue.	<input checked="" type="checkbox"/>
We will now consider what enforcement action is appropriate and notify you, referencing this form.	<input type="checkbox"/>

**Section 4- Action(s)**

Where non-compliance has been detected and an enforcement response has been selected above, this section summarises the steps you need to take to return to compliance and also provides timescales for this to be done.

Criteria Ref.	CCS Category	Action Required/Advised	Due Date
See Section 1 above			
C1	C3	Ensure that the site permit and working plan/environment management system are available to staff on site	Immediately
C2	C3	Ensure the control measures outlined in the permit, working plan/EMS and the mud management plan are implemented as required	Immediately
D1	C4	Site identification board required at or near to site entrance	Immediately
F5	C3	Prevent mud on road	Immediately
G2	C4	Ensure site diary is available on site	Immediately

## Section 5 - Compliance notes for the Operator

To ensure you correct actual or potential non-compliance we may

- advise on corrective actions verbally or in writing
- require you to take specific actions in writing
- issue a notice
- require you to review your procedures or management system
- change some of the conditions of your permit
- decide to undertake a full review of your permit

Any breach of a permit condition is an offence and we may take legal action against you.

- We will normally provide advice and guidance to assist you to come back into compliance either after an offence is committed or where we consider that an offence is likely to be committed. This is without prejudice to any other enforcement response that we consider may be required.
- Enforcement action can include the issue of a formal caution, prosecution, the service of a notice and or suspension or revocation of the permit.

**See our Enforcement and Civil Sanctions guidance for further information**

This report does not relieve the site operator of the responsibility to

- ensure you comply with the conditions of the permit at all times and prevent pollution of the environment
- ensure you comply with other legislative provisions which may apply.

### Non-compliance scores and categories

CCS category	Description	Score
C1	A non-compliance which could have a <b>major</b> environmental effect	60
C2	A non-compliance which could have a <b>significant</b> environmental effect	31
C3	A non-compliance which could have a <b>minor</b> environmental effect	4
C4	A non-compliance which has <b>no</b> potential environmental effect	0.1

**Operational Risk Appraisal (Opra)** - Compliance assessment findings may affect your Opra score and/or your charges. This score influences the resource we use to assess permit compliance.

## Section 6 – General Information

### Data protection notice

The information on this form will be processed by the Natural Resources Wales (NRW) to fulfill its regulatory and monitoring functions and to maintain the relevant public register(s). The NRW may also use and/or disclose it in connection with:

- offering/providing you with its literature/services relating to environmental matters
- consulting with the public, public bodies and other organisations (e.g. Health and Safety Executive, local authorities) on environmental issues
- carrying out statistical analysis, research and development on environmental issues
- providing public register information to enquirers
- investigating possible breaches of environmental law and taking any resulting action
- preventing breaches of environmental law
- assessing customer service satisfaction and improving its service
- Freedom of Information Act/Environmental Information Regulations request.

The NRW may pass it on to its agents/representatives to do these things on its behalf. You should ensure that any persons named on this form are informed of the contents of this data protection notice.

### Disclosure of information

The NRW will provide a copy of this report to the public register(s). However, if you consider that any information contained in this report should not be released to the public register(s) on the grounds of commercial confidentiality, you must write to your local area office within twenty working days of receipt of this form indicating which information it concerns and why it should not be released, giving your reasons in full.

### Customer charter

#### What can I do if I disagree with this compliance assessment report?

If you are unable to resolve the issue with your site officer, you should firstly discuss the matter with the officer's line managers. If you wish to raise your dispute further through our official Complaints and Commendations procedure, phone our general enquiry number 0300 065 3000 (Mon to Fri 08.00–18.00) and ask for the Customer Contact team or send an email to [enquiries@naturalresourceswales.gov.uk](mailto:enquiries@naturalresourceswales.gov.uk). If you are still dissatisfied you can make a complaint to the Public Services Ombudsman for Wales. For advice on how to complain to the Ombudsman phone their helpline on 0845 607 0987.

**This form will report compliance with your permit as determined by an NRW officer**

Site	Bryn Y Gaer Quarry		Permit Ref	37050		
Operator/ Permit holder	Ash Waste Services Ltd					
Date	30/06/2014		Time in	11:55	Out	12:15
What parts of the permit were assessed	Amenity and Management System					
Assessment	Site Inspection	EPR Activity:	Installation	Waste Op	X	Water Discharge
Recipient's name/position	John Dennon - Director					
Officer's name	Rachel Twiss		Date issued	17/07/2014		

## Section 1 - Compliance Assessment Summary

This is based on the requirements of the permit under the Environmental Permitting Regulations. A detailed explanation and any action you may need to take are given in the "Detailed Assessment of Compliance" (section 3). This summary details where we believe any non-compliance with the permit has occurred, the relevant condition and how the non-compliance has been categorised using our Compliance Classification Scheme (CCS). CCS scores can be consolidated or suspended, where appropriate, to reflect the impact of some non-compliances more accurately. For more details of our CCS scheme, contact your local office.

Permit Conditions and Compliance Summary			Condition(s) breached
<b>a) Permitted activities</b>	1. Specified by permit	N	
<b>b) Infrastructure</b>	1. Engineering for prevention & control of pollution	N	
	2. Closure & decommissioning	N	
	3. Site drainage engineering (clean & foul)	N	
	4. Containment of stored materials	N	
	5. Plant and equipment	N	
<b>c) General management</b>	1. Staff competency/ training	N	
	2. Management system & operating procedures	C3	4.1
	3. Materials acceptance	N	
	4. Storage handling, labelling, segregation	N	
<b>d) Incident management</b>	1. Site security	N	
	2. Accident, emergency & incident planning	N	
<b>e) Emissions</b>	1. Air	N	
	2. Land & Groundwater	N	
	3. Surface water	N	
	4. Sewer	N	
	5. Waste	N	
<b>f) Amenity</b>	1. Odour	N	
	2. Noise	N	
	3. Dust/fibres/particulates	N	
	4. Pests, birds & scavengers	N	
	5. Deposits on road	C3	4.1.1
<b>g) Monitoring and records, maintenance and reporting</b>	1. Monitoring of emissions & environment	N	
	2. Records of activity, site diary, journal & events	N	
	3. Maintenance records	N	
	4. Reporting & notification	A	
<b>h) Resource efficiency</b>	1. Efficient use of raw materials	N	
	2. Energy	N	

**KEY:** C1, C2, C3, C4 = CCS breach category ( \* suspended scores are marked with an asterisk), A = Assessed (no evidence of non-compliance), N = Not assessed, NA = Not Applicable, O = Ongoing non-compliance – not scored

<b>Number of breaches recorded</b>	2	<b>Total compliance score</b> (see section 5 for scoring scheme)	8
------------------------------------	---	---	---

**If the Total No Breaches is greater than zero, then please see Section 3 for details of our proposed enforcement response**

## Section 2 – Compliance Assessment Report Detail

This section contains a report of our findings and will usually include information on:

- the part(s) of the permit that were assessed (e.g. maintenance, training, combustion plant, etc)
- where the type of assessment was 'Data Review' details of the report/results triggering the assessment
- any non-compliances identified
- any non-compliances with directly applicable legislation
- details of any multiple non-compliances
- information on the compliance score accrued inc. details of suspended or consolidated scores.
- details of advice given
- any other areas of concern
- all actions requested
- any examples of good practice.
- a reference to photos taken

This report should be clear, comprehensive, unambiguous and normally completed within 14 days of an assessment.

This visit to site was conducted following a report to NRW that the main highway outside Bryn y Gaer Quarry was very muddy, wet and had some debris present. The weather at the time was fine and dry.

On speaking to John Dennan some wagons had left site first thing that morning and tracked mud from site onto the main highway after wet conditions during the previous weekend. The wheel wash facility was not in use as had not been reinstated to account for this.

**During the site inspection the following breaches were observed:**

**F5 - Amenity - Deposits on road, Permit Condition 4.1 - CCS Category 3 Breach**

**C2 - Management - Management Systems & Operating Procedures - CCS Category 3 Breach, Permit Condition 4.1.1**

Ultimately, vehicles should not have left site without the necessary checks and actions taken to prevent mud and debris from being deposited onto the main highway.

Although action was taken immediately the incident could have been prevented and I would expect in future that all procedures will be followed in line with the site permit, EMS and Mud Management Plan.

The 2013 waste returns submitted have been reviewed and I am pleased to say that on this occasion no issues were apparent.

Please keep me informed of activities on site.

regards  
Rachel Twiss

*In this document, 'Natural Resources Wales' means the Natural Resources Body for Wales established by Article 3 of the Natural Resources Body for Wales (Establishment) Order 2012*

**This form will report compliance with your permit as determined by an NRW officer**

Site	Bryn Y Gaer Quarry	Permit	37050
Operator/ Permit	Ash Waste Services Ltd	Date	30/06/2014

**Section 3- Enforcement Response** **Only one of the boxes below should be ticked**

You must take immediate action to rectify any non-compliance and prevent repetition. Non-compliance with your permit conditions constitutes an offence and can result in criminal prosecutions and/or suspension or revocation of a permit. Please read the detailed assessment in Section 2 and the steps you need to take in Section 4 below.

Other than the provision of advice and guidance, at present we do not intend to take further enforcement action in respect of the non-compliance identified above. This does not preclude us from taking enforcement action if further relevant information comes to light or advice isn't followed.	
--	--

In respect of the above non-compliance you have been issued with a warning. At present we do not intend to take further enforcement action. This does not preclude us from taking additional enforcement action if further relevant information comes to light or offences continue.	X
--	---

We will now consider what enforcement action is appropriate and notify you, referencing this form.	
--	--

**Section 4- Action(s)**

Where non-compliance has been detected and an enforcement response has been selected above, this section summarises the steps you need to take to return to compliance and also provides timescales for this to be done.

Criteria Ref.	CCS Category	Action Required/Advised	Due Date
See Section 1 above			
C2	C3	Ensure the control measures outlined in the permit, working plan/EMS and the mud management plan are implemented as required	Immediately
F5	C3	Prevent mud and debris deposits on the road	Immediately

## Section 5 - Compliance notes for the Operator

To ensure you correct actual or potential non-compliance we may

- advise on corrective actions verbally or in writing
- require you to take specific actions in writing
- issue a notice
- require you to review your procedures or management system
- change some of the conditions of your permit
- decide to undertake a full review of your permit

Any breach of a permit condition is an offence and we may take legal action against you.

● We will normally provide advice and guidance to assist you to come back into compliance either after an offence is committed or where we consider that an offence is likely to be committed. This is without prejudice to any other enforcement response that we consider may be required.

● Enforcement action can include the issue of a formal caution, prosecution, the service of a notice and or suspension or revocation of the permit.

**See our Enforcement and Civil Sanctions guidance for further information**

This report does not relieve the site operator of the responsibility to

- ensure you comply with the conditions of the permit at all times and prevent pollution of the environment
- ensure you comply with other legislative provisions which may apply.

### Non-compliance scores and categories

CCS category	Description	Score
C1	A non-compliance which could have a <b>major</b> environmental effect	60
C2	A non-compliance which could have a <b>significant</b> environmental effect	31
C3	A non-compliance which could have a <b>minor</b> environmental effect	4
C4	A non-compliance which has <b>no</b> potential environmental effect	0.1

**Operational Risk Appraisal (Opra)** - Compliance assessment findings may affect your Opra score and/or your charges. This score influences the resource we use to assess permit compliance.

## Section 6 – General Information

### Data protection notice

The information on this form will be processed by the Natural Resources Wales (NRW) to fulfill its regulatory and monitoring functions and to maintain the relevant public register(s). The NRW may also use and/or disclose it in connection with:

- offering/providing you with its literature/services relating to environmental matters
- consulting with the public, public bodies and other organisations (e.g. Health and Safety Executive, local authorities) on environmental issues
- carrying out statistical analysis, research and development on environmental issues
- providing public register information to enquirers
- investigating possible breaches of environmental law and taking any resulting action
- preventing breaches of environmental law
- assessing customer service satisfaction and improving its service
- Freedom of Information Act/Environmental Information Regulations request.

The NRW may pass it on to its agents/representatives to do these things on its behalf. You should ensure that any persons named on this form are informed of the contents of this data protection notice.

### Disclosure of information

The NRW will provide a copy of this report to the public register(s). However, if you consider that any information contained in this report should not be released to the public register(s) on the grounds of commercial confidentiality, you must write to your local area office within twenty working days of receipt of this form indicating which information it concerns and why it should not be released, giving your reasons in full.

### Customer charter

#### What can I do if I disagree with this compliance assessment report?

If you are unable to resolve the issue with your site officer, you should firstly discuss the matter with the officer's line managers. If you wish to raise your dispute further through our official Complaints and Commendations procedure, phone our general enquiry number 0300 065 3000 (Mon to Fri 08.00–18.00) and ask for the Customer Contact team or send an email to [enquiries@naturalresourceswales.gov.uk](mailto:enquiries@naturalresourceswales.gov.uk). If you are still dissatisfied you can make a complaint to the Public Services Ombudsman for Wales. For advice on how to complain to the Ombudsman phone their helpline on 0845 607 0987.

# Appendix V

## Gas Monitoring Data



**BRYN-Y-GAER LANDFILL  
MONTHLY GAS MONITORING**

BOREHOLE NUMBER	CH4 %	CO2 %	O2 %
1	Overgrown-----		
2	0.0	0.0	20.5
3	0.0	0.4	20.1
4	0.0	1.1	19.5
5	0.0	0.6	19.9
6	0.0	0.2	20.2
7	Destroyed by site works -----		
8	0.1	0.2	20.1
9	Destroyed by site works -----		
10	Destroyed by site works -----		
11	Destroyed by site works -----		
12	Overgrown-----		
13	Destroyed by site works -----		
14	Destroyed by site works -----		
15	Destroyed by site works -----		
16	Destroyed by site works -----		
17	Destroyed by site works -----		
18	0.2	0.2	20.0
19	0.1	0.2	20.1
20	0.0	0.0	20.6

**DATE: 12/07/2011    ATMOSPHERIC PRESSURE: 1007 mB**

**MONITORED BY: Matthew Kirk**

Monitored on behalf of  
**ASH Waste Services**  
 by ASH Resource Management Ltd  
 Broughton Mill Road  
 Bretton  
 Flintshire  
 CH4 0BY

Registered office:  
 1 Abbots Quay  
 Monks Ferry  
 Birkenhead  
 Merseyside CH41 5LH  
 ASH Waste Services Limited  
 Registered in England no 04691923

Instrument	GA2000 Plus
Calibration Due	23/07/2011
Serial Number	GA12182
Weather	Dry / Overcast
Cloud Cover	100%
Ground Conditions	Damp
Air Temperature	17 degrees C
Monitored from	0945 - 1030 hrs



**BRYN-Y-GAER LANDFILL  
MONTHLY GAS MONITORING**

BOREHOLE NUMBER	CH4 %	CO2 %	O2 %
1	Overgrown-----		
2	0.0	0.0	20.4
3	0.0	0.0	20.4
4	0.0	0.8	20.1
5	0.0	0.0	20.2
6	0.0	0.1	20.2
7	Destroyed by site works -----		
8	0.0	0.0	20.4
9	Destroyed by site works -----		
10	Destroyed by site works -----		
11	Destroyed by site works -----		
12	Overgrown-----		
13	Destroyed by site works -----		
14	Destroyed by site works -----		
15	Destroyed by site works -----		
16	Destroyed by site works -----		
17	Destroyed by site works -----		
18	0.0	0.1	20.3
19	0.0	0.0	20.5
20	0.0	0.0	20.5

**DATE: 27/12/2011    ATMOSPHERIC PRESSURE: 1027 mB**

**MONITORED BY: Matthew Kirk**

Monitored on behalf of  
**ASH Waste Services**  
 by ASH Resource Management Ltd  
 Broughton Mill Road  
 Bretton  
 Flintshire  
 CH4 0BY

Registered office:  
 1 Abbots Quay  
 Monks Ferry  
 Birkenhead  
 Merseyside CH41 5LH  
 ASH Waste Services Limited  
 Registered in England no 04691923

Instrument                    GA2000  
 Calibration Due            01/01/2012  
 Serial Number              GA05929

Weather                      Dry / Patch Cloud  
 Cloud Cover                60%  
 Ground Conditions        Damp  
 Air Temperature            10 degrees C  
 Monitored from            1125 - 1215 hrs

# Oaktree Environmental Ltd

## LANDFILL GAS MONITORING REPORT

**Report No. GMBG01**

**SITE:** Bryn Y Gaer

**CLIENT:** ASH Waste Services Ltd.

Date of monitoring exercise: 15 August 2012

Monitoring carried out by: AC

Instrument used: Geotechnical Instruments GA2000 - Serial No. GA05929

Borehole No.	Time	Water level readings			Gas composition					
		Borehole Depth - metres	Dip to water - metres	Water depth - metres	Methane		Carbon Dioxide	Oxygen	H <sub>2</sub> S	CO
					% v/v	% LEL	% v/v	% v/v	ppm	ppm
2 (gas)	09:50				0.1	2	2.2	16.2		
3 (gas)	10:00				0.1	2	4.2	12.2		
4 (gas)	10:10	2.4			0.1	2	4.5	10.8		
5 (gas)	10:20				0.1	2	4.9	11.5		
20 (gas)	10:30				0.1	1	0.2	18.1		

Meteorological data		Site condition/notes
Ambient temperature - °C	17	Heavy Rain during sampling.  Borehole 1 and 6-19 have either been destroyed by site works or were overgrown with weeds and could not be located.
Atmospheric pressure - mBar	998.98	
Atmospheric pressure trend - previous 24 hours	Falling Rapidly	
Wind speed - kmph	23	
Wind direction	South	
Cloud cover	100%	

# Oaktree Environmental Ltd

## LANDFILL GAS MONITORING REPORT

**Report No. GMBG01**

**SITE:** Bryn Y Gaer, LL12 9SB

**CLIENT:** ASH Waste Services Ltd.

Date of monitoring exercise: 05 December 2012

Monitoring carried out by: AC

Instrument used: Geotechnical Instruments GA2000 - Serial No. GA05929

Borehole No.	Time	Water level readings			Gas composition					
		Borehole Depth - metres	Dip to water - metres	Water depth - metres	Methane		Carbon Dioxide	Oxygen	H <sub>2</sub> S	CO
					% v/v	% LEL	% v/v	% v/v	ppm	ppm
2 (gas)	10:35	3	1.7	1.3	00.3	006	00.1	18.3		
3 (gas)	10:40				00.3	005	00.1	18.3		
4 (gas)	10:45	2.2			00.3	005	00.2	18.2		
5 (gas)	10:50		14.8		00.3	005	00.6	17.8		
20 (gas)	11:10	3.8			00.3	005	00.1	18.8		

Meteorological data	Site condition/notes
Ambient temperature - °C	3
Atmospheric pressure - mBar	1009
Atmospheric pressure trend - previous 24 hours	Rising
Wind speed - kmph	13
Wind direction	From NW
Cloud cover	50%

Borehole 1 and 6-19 have either been destroyed by site works or were overgrown with weeds and could not be located.  
Borehole 3 blocked.  
Boreholes 5 & 20 now at ground level only as pipes are missing.

# Oaktree Environmental Ltd

## LANDFILL GAS MONITORING REPORT

**Report No. GMBG01**

**SITE:** Bryn Y Gaer, LL12 9SB

**CLIENT:** ASH Waste Services Ltd.

Date of monitoring exercise: 14<sup>th</sup> March 2014

Monitoring carried out by: JM

Instrument used: Geotechnical Instruments GA5000 - Serial No. G501821

Borehole No.	Time	Water level readings			Gas composition					
		Borehole Depth - metres	Dip to water - metres	Water depth - metres	Methane		Carbon Dioxide	Oxygen	H <sub>2</sub> S	CO
					% v/v	% LEL	% v/v	% v/v	ppm	ppm
2 (gas)	11:19				0.0	0.0	0.3	21.3	0	1
3 (gas)	10:35				0.0	0.0	0.7	20.5	0	1
4 (gas)	10:44				0.0	0.0	0.6	20.1	0	1
5 (gas)	10:57				0.0	0.0	2.6	17.4	0	1
20 (gas)	11:11				0.0	0.0	0.3	21.2	0	1

Meteorological data		Site condition/notes
Ambient temperature - °C	7	Borehole 1 and 6-19 have either been destroyed by site works or were overgrown with weeds and could not be located.  Borehole 3 blocked with a stone/stones.  Boreholes 5 & 20 now at ground level only as pipes are missing.
Atmospheric pressure - mBar	1014	
Atmospheric pressure trend - previous 24 hours	Rising	
Wind speed - kmph	7	
Wind direction	From NNW	
Cloud cover	75%	

# Oaktree Environmental Ltd

## LANDFILL GAS MONITORING REPORT

**Report No. GMBG02**

**SITE:** Bryn Y Gaer, LL12 9SB

**CLIENT:** ASH Waste Services Ltd.

Date of monitoring exercise: 5<sup>th</sup> Feb 2015

Monitoring carried out by: RS/JE

Instrument used: Geotechnical Instruments GA5000 - Serial No. G501821

Borehole No.	Time	Water level readings			Gas composition					
		Borehole Depth - metres	Dip to water - metres	Water depth - metres	Methane		Carbon Dioxide	Oxygen	H <sub>2</sub> S	CO
					% v/v	% LEL	% v/v	% v/v	ppm	ppm
4 (gas)	10:38				0.1	0.0	0.1	21.5	0	0

Meteorological data	Site condition/notes
Ambient temperature - °C	Borehole 4 was the only borehole that could be located
Atmospheric pressure - mBar	
Atmospheric pressure trend - previous 24 hours	
Wind speed - kmph	
Wind direction	
Cloud cover	