

SITE CONDITION REPORT

Byrn y Gaer Quarry, Hope, Flintshire LL12 9SD

Permit Reference No. EPR/UP3094FQ

ASH WASTE SERVICES LTD

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



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Waste, Planning & Environmental Consultants



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SITE CONDITION REPORT TEMPLATE

For full details, see H5 SCR *guide for applicants* v2.0 4 August 2008

COMPLETE SECTIONS 1-3 AND SUBMIT WITH APPLICATION

DURING THE LIFE OF THE PERMIT: MAINTAIN SECTIONS 4-7

AT SURRENDER: ADD NEW DOC REFERENCE IN 1.0; COMPLETE SECTIONS 8-10; & SUBMIT WITH YOUR SURRENDER APPLICATION.

1.0 Site Details	
Name of the applicant	ASH WASTE SERVICES LTD
Activity address	Byrn y Gaer Quarry, Hope, Flintshire LL12 9SD
National grid reference	SJ 31613 57708
Document reference and dates for Site Condition Report at permit application and surrender	Permit issued 21/01/1993 and transferred on 25/01/2005 (EPR/UP3094FQ) 2370-426-SCR Dated 12 February 2016
Document references for site plans (including location and boundaries)	Permit boundary Plan ASH/101 Final Contours Plan 2370/426/11

Note:

In Part A of the application form you must give us details of the site's location and provide us with a site plan. We need a detailed site plan (or plans) showing:

- Site location, the area covered by the site condition report, and the location and nature of the activities and/or waste facilities on the site.
- Locations of receptors, sources of emissions/releases, and monitoring points.
- Site drainage.
- Site surfacing.

If this information is not shown on the site plan required by Part A of the application form then you should submit the additional plan or plans with this site condition report.

2.0 Condition of the land at permit issue

Environmental setting including:

Geology

- Bedrock Geology is of the Cefn-y-fedw Sandstone Formation - Sandstone And [subequal/subordinate] Argillaceous Rocks, Interbedd. Sedimentary Bedrock formed approximately 314 to 331 million years ago in the Carboniferous Period. Local environment previously dominated by swamps, estuaries and deltas. These rocks were formed in marginal coastal plains with lakes and swamps periodically inundated by the sea; or estuaries and deltas, and shallow seas.
- There are no superficial deposits available for the site.

Hydrogeology

- The bedrock overlies a secondary (minor) aquifer with low leaching potential due to their permeable layers.
- The superficial deposits for the site are known to be secondary undifferentiated meaning it has not been possible to attribute either category A or B to a rock type. In most cases, this means that the layer in question has previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
- The site is not located in a Groundwater Source Protection Zone
- The site is not located near a Flood Zone nor is at risk from surface water flooding.

Surface water

- There are no surface waters situated on site.

<p><u>Pollution history including:</u></p> <p>pollution incidents that may have affected land</p> <p>historical land-uses and associated contaminants</p> <p>any visual/olfactory evidence of existing contamination</p> <p>evidence of damage to pollution prevention measures</p>	<p>There are no pollution incidents listed on the EA/NRW website for the site. The site and operator have a 'good' compliance rating for pollution.</p> <p>A waste licence was issued in 1993 for the restoration of Bryn y Gaer Quarry. The disused quarry was to be infilled with suitable inert waste and then returned back to agriculture. In 1996 the licence became a permit and in 2005 the permit was transferred to the current operator. In 2006 the activity was confirmed as a recovery activity and permitted to receive inert waste only as listed in Table 1 of the Environmental Permitting Regulations-inert waste guidance and therefore remained as a waste management activity.</p> <p>The EA's/NRW's website shows no reported incidents within the site boundary that might result in a pollution of the area.</p> <p>Due to the inert nature of the material deposited on site as part of the quarry restoration, and that there are no receptors close by and no likely pathways for landfill gas to migrate towards any receptors, there was no requirement for active management of landfill gas or leachate to be installed as part of the aftercare period.</p> <p>During the operating life of the site gas monitoring was carried out twice yearly as requested under the permit. These results are available in Appendix III of the Surrender Report and from these results it shows that no landfill gas was generated throughout the life of the site.</p> <p>The site has now been restored to the contours agreed with the local planning authority and the proposed landscaping and aftercare scheme has been submitted and approved by Flintshire County Council.</p> <p>There is no visual or existing evidence of contamination.</p> <p>No evidence of damage to pollution prevention measures. Site checks were undertaken regularly.</p>
<p>Evidence of historic contamination, for example, historical site investigation, assessment, remediation and verification reports (where available)</p>	<p>No site investigation undertaken at the time of application; no quantitative data readily available for the site.</p>
<p>Baseline soil and groundwater reference data</p>	<p>None</p>
<p>Supporting information</p>	

3.0 Permitted activities	
Permitted activities	A25 Deposit of waste for recovery
Non-permitted activities undertaken	N/A
Document references for: plan showing activity layout; and Site Surrender Report	Permit boundary Plan – ASH/101 Restoration/Landscape Plan Final Contour Plan – 2370/426/11 Site Surrender Report 2370/426/SR

Note:

In Part B of the application form you must tell us about the activities that you will undertake at the site. You must also give us an environmental risk assessment. This risk assessment must be based on our guidance (*Environmental Risk Assessment - EPR H1*) or use an equivalent approach.

It is essential that you identify in your environmental risk assessment all the substances used and produced that could pollute the soil or groundwater if there were an accident, or if measures to protect land fail.

These include substances that would be classified as 'dangerous' under the Control of Major Accident Hazards (COMAH) regulations and also raw materials, fuels, intermediates, products, wastes and effluents.

If your submitted environmental risk assessment does not adequately address the risks to soil and groundwater we may need to request further information from you or even refuse your permit application.

4.0 Changes to the activity	
Have there been any changes to the activity boundary?	No
Have there been any changes to the permitted activities?	No
Have any 'dangerous substances' not identified in the Application Site Condition Report been used or produced as a result of the permitted activities?	No
Checklist of supporting information	Plan showing any changes to the boundary (where relevant) Description of the changes to the permitted activities (where relevant) List of 'dangerous substances' used/produced by the permitted activities that were not identified in the Application Site Condition Report (where relevant)

5.0 Measures taken to protect land

Use records that you collected during the life of the permit to summarise whether pollution prevention measures worked. If you can't, you need to collect land and/or groundwater data to assess whether the land has deteriorated.

Site Inspection Reports and Compliance Assessment Reports completed by the Environment Agency Wales and Natural Resources Wales between April 1996 and September 2015 and Local Authority records (Alyn & Deeside from 1993 to 1996 (shown in Appendix 2 of the Surrender Report (Doc. Ref. 2370-426-SR)) will be the records used to assess the effectiveness of pollution prevention measures on site and the waste acceptance criteria followed.

Breaches recorded

- associated with mud on highway (several complaints recorded by the regulator),
- lack of permit and associated documents on suite at time of inspection 08/04/2014 (for security reasons copies were held in Head Office, Bretton)
- no site diary on site at time of inspection (08/04/2014)
- no site notice board in place at time of inspection (08/04/2014)

With regard to the breaches outlined above, no further enforcement action was taken by the Regulator and all advised remedial actions were carried out. No pollution as a result of the breaches was recorded. Therefore, it can be concluded that pollution prevention measures implemented on site were successful and a strict waste acceptance criteria was carried out resulting in no non-confirming waste being accepted onto site.

Checklist of supporting information

Inspection records and summary of findings of inspections for all pollution prevention measures
Records of maintenance, repair and replacement of pollution prevention measures

6.0 Pollution incidents that may have had an impact on land, and their remediation

Summarise any pollution incidents that may have damaged the land. Describe how you investigated and remedied each one. If you can't, you need to collect land and /or groundwater reference data to assess whether the land has deteriorated while you've been there.

No pollution incidents were recorded on site. The site only accepted permitted waste types. This is confirmed by the documentation raised with all the material imported for deposit on site as part of the restoration activity.

Checklist of supporting information

Records of pollution incidents that may have impacted on land
Records of their investigation and remediation

7.0 Soil gas and water quality monitoring (where undertaken)

Provide details of any soil gas and/or water monitoring you did. Include a summary of the findings. Say whether it shows that the land deteriorated as a result of the permitted activities. If it did, outline how you investigated and remedied this.

Gas monitoring was conducted as required during the lifetime of the permit. Results can be found in Appendix III of the Surrender Report 2370/426/SR

Checklist of supporting information

Description of soil gas and/or water monitoring undertaken
Monitoring results (including graphs)

8.0 Decommissioning and removal of pollution risk

Describe how the site was decommissioned. Demonstrate that all sources of pollution risk have been removed. Describe whether the decommissioning had any impact on the land. Outline how you investigated and remedied this.

The only decommissioning required on site was the backfilling of the haul road and the removal of the temporary shaker bar used to ensure material was not tracked off site onto the highway. Both these actions have now been completed.

The Surrender Report confirms that no fuels /oils were stored on site.

Due to the strict waste acceptance criteria and the associated pre-acceptance checks there are no records of any loads being rejected waste. If any wastes had arrived on site which were not suitable for deposit they would have been returned to the producer immediately. In the unlikely event that non conforming waste eg small pieces of wood, metal, plastic found in a load after the waste had been deposited, it would have been removed immediately and quarantined prior to removal off site as required under the permit and stated in the site's management system.

Checklist of supporting information

Site closure plan
List of potential sources of pollution risk
Investigation and remediation reports (where relevant)

9.0 Reference data and remediation (where relevant)

Say whether you had to collect land and/or groundwater data. Or say that you didn't need to because the information from sections 3, 4, 5 and 6 of the Surrender Site Condition Report shows that the land has not deteriorated.

If you did collect land and/or groundwater reference data, summarise what this entailed, and what your data found. Say whether the data shows that the condition of the land has deteriorated, or whether the land at the site is in a "satisfactory state". If it isn't, summarise what you did to remedy this. Confirm that the land is now in a "satisfactory state" at surrender.

Sections 3, 4, 5 and 6 of this document demonstrate that pollution prevention measures implemented on site were successful and that no pollution incidents have been recorded for the site. Therefore, it has been concluded that there is no requirement for intrinsic land or groundwater investigations, as the level of contamination will be low or negligible and the land has not deteriorated.

Checklist of supporting information

Land and/or groundwater data collected at application (if collected)
Land and/or groundwater data collected at surrender (where needed)
Assessment of satisfactory state
Remediation and verification reports (where undertaken)

10.0 Statement of site condition

Using the information from sections 3 to 7, give a statement about the condition of the land at the site. This should confirm that:

the permitted activities have stopped
decommissioning is complete, and the pollution risk has been removed
the land is in a satisfactory condition.

The permitted activities on site have now stopped and all plant and equipment have been removed from the site. The operator had instances of non-compliance recorded during the lifetime of the permit but these related to mud on highway, plus lack of site notice board, site diary and copy of environmental permit and management system on site, at the time of the 2014 inspection. There were no reported incidents of permit breaches relating to waste types or associated with the deposit of material as part of the restoration operation. Therefore, the land is deemed to be in satisfactory condition.

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