

Bryn Gwydd Inert & Excavation Waste Transfer Station

Environmental Permit: EPR/NB3793HS

Site Condition - Surrender Report

Bryn Gwydd yard, Lon Cae Glas, Edern, Pwllheli LL53 8YT.

1. Introduction:

Bryn Gwydd was formally a farm holding. Although the surrounding farm land is still in the ownership of Mr & Mrs G T Williams (Directors of GT Williams Ltd) it has been rented out for a number of years. The majority of the farm yard and buildings are utilised for storage of equipment and materials by GT Williams Ltd Civil Engineering who also use the yard weighbridge.

GT Williams Ltd is a family owned civil engineering company specialising in pipe laying and groundworks. The company is based at Pwll Parc Depot, Edern approximately 200 metres from Bryn Gwydd. The company holds an Upper Tier, Waste Carrier, Broker, Dealer licence and a Tier 2 Standard Rules Permit for Inert & Excavation Waste.

The permit has enabled the company to store inert excavation waste arisings in connection with the company's civil engineering contracts. Planning Permission was granted by Gwynedd Council to provide this storage facility which does not undertake crushing or screening operations. Only GT Williams Ltd own excavation and construction waste has been stored at the Bryngwydd site. Due to changes in the nature and direction of GT Williams Ltd civil engineering business, the company has not fully utilised the facility and now wishes to surrender the permit entirely.

A Site Plan is attached at appendix A

2. Site and Permit Description:

Under the permit and planning conditions, the quantity of excavation waste stored for re-use on sites must not exceed 1000 tonnes at any one time and not more than 5000 tonnes per year. The maximum height for the materials stored is 2 metres and is screened from view by both existing and newly planted indigenous hedges. Vehicular access onto the site is via the existing entrance off Lon Cae Glas. The storage sites utilised existing hard standing areas and the site has received waste between the hours 7.30am and 5pm on weekdays only.

A site plan of Bryngwydd is provided at appendix A. Of the 2 waste storage areas agreed for use within the permit, only site B has been utilised for waste. Since the permit was granted, site A has not received any waste and has been retained for storing new materials utilised by GT Williams Ltd. Although the permit allows a maximum of 1000 tonnes of waste to be stored at any one time, the maximum amount stored on site has only been 150 tonnes at any one time.

3. Site Operational Management

The site has been managed by GT Williams Business Manager – Helen Davies - a Chartered Environmentalist who also holds a WAMITAB Environmental Permitting Operators Certificate. The site has been operated within the GT Williams Ltd integrated Business Management System which is accredited to ISO 9001 Quality Management, ISO 14001 Environmental Management and OHSAS 18001 Health and Safety Management. Within this management system a specific operating procedure (see below) was produced and communicated to all GT Williams Ltd staff to ensure the operation of the waste facility complied with the permit.

Bryn Gwydd Waste Transfer Station

Operating Procedure

1.0 Purpose

The purpose of this procedure is to ensure GT Williams Ltd complies with all relevant environmental legislation, Conditions of Planning Consent and the requirements of the Standard Rules Permit (SR2008No10) – Inert & Excavation Waste Transfer Station.

2.0 Scope

To ensure the organisation manages its activities to comply with Article 4 of the Waste Framework Directive, minimises environmental impacts and pollution risk.

3.0 Responsibility

The Business Development Manager (BDM) is responsible for the Operational Management of the Waste Transfer Station including ensuring all staff receive training and a copy of these procedures. The BDM will be responsible for ensuring periodic compliance checks are undertaken and all appropriate records are kept.

4.0 Procedure

4.1 **General** – A copy of Standard Rules SR2008No10_75Kte – inert & excavation waste will be available on site along with all GT Williams Ltd Environmental Procedures and communicated to staff. The site will only operate between 07.00 and 17.30 Monday to Friday.

4.2 **Waste Types** – Only the following waste types may be accepted at the site:

EWC code	Description
	Construction & Demolition Waste
17 01 01	concrete
17 01 02	bricks
17 01 03	Tiles and ceramics
17 01 07	Mixtures of concrete, bricks, tiles and ceramics (not containing dangerous materials)
17 02 02	Glass
17 03 02	Bitumous mixtures (not containing coal tar)
17 05 04	Soil and stones (not containing dangerous substances)

17 05 08	Track Ballast (not containing dangerous substances)
	Municipal Waste – household waste and similar commercial, industrial and institutional wastes including separately collected fractions
20 02 02	(garden & park / cemetery waste) – soil & stones

All potential customers requesting to use the Bryn Gwydd waste transfer facility will be sent details of what types of wastes can only be accepted on to the site prior to GTW agreeing to take the first consignment

4.3 **Accepting Waste** – Waste material may only be accepted between the hours 0730 and 1730 on weekdays. A maximum of 50 tonnes of waste / day may be accepted on to site

The following Customer details must be taken prior to taking delivery of waste: name address and phone number, type of waste, the type of site the waste is coming from, approximate quantity and time of arrival.

If the source of the material is potentially from a contaminated site e.g. an old industrial area, an analysis report must be requested and studied to determine whether contaminants present BEFORE any waste can be brought to Bryngwydd. If contaminants present, the waste must be refused.

If the waste type is acceptable, request haulier rings Pwllparc en-route to confirm arrival time or when they arrive at Bryngwydd but they must not unload until authorised to do so by a member of GTW staff.

All waste arriving on site will be inspected prior to offloading and must be refused if it contains any waste types NOT in the list outlined in section 4.2, is in the form of sludge or liquid or if it consists of mainly dusts, powders or loose fibres.

The waste type on the load must match the description and EWC code on the waste transfer note completed by the carrier. This must contain the producers details, carriers licence details, vehicle registration and date of transfer.

If the material is accepted, the vehicle is weighed on the weighbridge by GTW staff and directed to unload at a storage area ie. waste area A (soil, subsoil and stones 17 05 04)) with topsoil segregated wherever possible or B (construction waste 17 01 07) to tip. GTW staff will observe the tipping of waste to ensure it is all of the material stated in the waste transfer note.

If unauthorised waste material is discovered during tipping, and it is appropriate to do so, GTW staff will re-load the material and request it be returned to the producer to have the unauthorised waste removed.

Once waste material is tipped, the vehicle will be weighed again to ascertain the actual waste tonnage. A weighbridge ticket will be issued and the transfer details completed on the waste transfer note ie. GTW permit number, quantity, characteristics and EWC code of waste. A copy of the weighbridge ticket and transfer note will be retained by the carrier, while copies are returned to Pwllparc office for recording by the Finance Clerk.

If unauthorised waste material e.g. plasterboard is discovered in a load once customer has left the premises, GTW staff must remove and quarantine the waste e.g. bagged up and placed in the storage barn prior to arranging for it to be disposed of at a site licenced to take such waste. If asbestos is discovered in a load of waste, this will only be dealt with by a member of GTW staff who has received Category B Asbestos training and using the correct PPE. A non-conformance report will be completed and passed to the Business Development Manager to monitor actions and preventative measures. The Business Development Manager will contact producer / carrier of the unauthorised wastes to discuss the issue and ensure the issue is not repeated.

GT Williams own waste arriving on site – staff delivering waste will undertake their own weighing, completion of waste transfer notes and tipping on appropriate area and will ensure these records are returned to Pwllparc office. The Business Development Manager will attend (as a minimum) at least 2 external waste consignments (or 1 hour to do visual spot checks) per week as Competent Manager to ensure permit rules are complied with.

Segregation of building waste will be undertaken by GTW staff as required depending on need e.g. to enable reuse / recycling of materials or disposal to landfill as a last resort if transfer station at full capacity.

4.4 **Noise & Nuisance** – To minimise the impact of noise, dust and nuisance on the local community the following will be adhered to on site:

- Plant movements to be kept to a minimum before 8.00am.
- Vehicle speeds to be kept below 10mph
- No shouting or unnecessary disturbance
- No unnecessary revving of vehicles
- No sounding of horns unless real danger of collision
- All plant and vehicles to be well maintained and regularly serviced as per GTWR 08 – Plant register and service schedule
- Engines turned off when not in use
- Waste stockpiles located out of the wind and with hedge screening to reduce noise, dust and odour

4.5 **Security** – Company Family members live on site. 24 hr motion sensor CCTV in operation recording all vehicles number plates entering and leaving the site. Entrance gates locked over night to prevent theft, fly tipping and vandalism on site.

4.6 **Waste storage** – a maximum of 1000 tonnes may be stored on the site at any one time up to a total of 5000 tonnes / annum. The waste must only be stored on the 2 designated areas and to a maximum height of 2 metres.

4.7 **Waste Treatment** – only manual sorting and separation of wastes into different components for disposal or recovery may be undertaken on the site.

4.8 **Waste Disposal** – all waste leaving the site for disposal must have a completed waste transfer note to accompany it, a copy of which must be given to the Finance Clerk at Pwll Parc Office.

- 4.9 **Compliance** – Monthly Health, Safety & Environmental compliance checks will be carried out for site activities using: GTWF 19 –Health, Safety & Environment Inspection Form. All non-conformances will be photographed and recorded on GTWF 05 – Non conformity report form and entered onto GTWR 03 - Non Conformance Register to ensure both immediate actions are completed and any long term preventative measures / improvements are implemented. All non-conformities not closed out will be discussed and resolved at quarterly management team meetings. All complaints will be logged and actioned via the non-conformance system
- 4.10 **Records** – waste transfer notes / waste data supplied via other documentation for both transfers into and out of the site will be returned to Pwll Parc office and recorded on spreadsheet: GTWR 10 NRW Waste Return Spreadsheet, by the Finance Clerk. Quarterly returns of all waste accepted on the site and taken away for disposal will be submitted to Natural Resources Wales (see link: <http://naturalresourceswales.gov.uk/policy-and-guidance/waste-policy/new-wales-operator-waste-return-and-deadlines-for-returns/?lang=en>) within 1 month of the end of each quarter. All Hardcopy and electronic documents will be retained for 2 years.

4. Site Health & Safety

Prior to the site becoming operational, a risk assessment was completed along with an action plan to reduce risks – this can be seen at appendix B. The GT Williams Ltd Health & Safety representative played an active role in site safety through undertaking monthly site inspections which included monitoring operational safety as well as ensuring fire extinguishers, first aid kits and signage were in adequate supply and in appropriate locations.

5. Site Environmental Management

Regular site inspections were undertaken to ensure the waste type received, loading and unloading operations and storage conditions complied with permit conditions.

All GT Williams Ltd staff bringing waste material onto site were trained in Environmental Awareness, the site specific operational procedures (see above) and completion of waste transfer notes. Staff also received regular toolbox talks on topics such as pollution prevention and materials handling and storage.

A quarantine skip was on site at all times and staff were aware of the requirement to check each load both before and after unloading on site. The Business Development Manager also inspected loads arriving on site and the condition of tipped material to ensure compliance with the permit.

To reduce the risk of pollution, no chemicals or fuel has been stored on site. Nevertheless, in case of a spill or leak during loading and unloading, a Spill kit has been located in the weighbridge shed at all times. Spill kits are also kept in all vehicles and large plant and all staff are trained in their use. A water tap and hose pipe has been available near to the waste area to enable operatives to 'damp down' any waste which may cause dust emissions and wash vehicle wheels to prevent mud on the highway. Also, in November 2014 a hedgerow of indigenous species was planted around two sides of the site to help reduce noise and dust.

An entrance sign has been displayed with GT Williams contact details and the permit number. An Emergency Procedure along with Emergency contact details has been displayed on site at all times

6. Site closure

On April 7th 2017, permitted activities at the waste facility at Bryngwydd ceased. Following the removal of the remaining waste from area B of the site, decommissioning has been completed and there are no pollution risks i.e. as only non-contaminated excavation waste has been stored on site, no land deterioration has occurred.

As the facility only stored small amounts of inert excavation waste extracted from GT Williams Ltd own sites and there had been no contamination of material or pollution incidents on site during the period of operation, the site has now been fully restored to a satisfactory condition.

During the period of operation, the site has had 2 visits by an NRW officer who was satisfied with the condition and operation of the site on both occasions.

To illustrate how the site has been returned to a satisfactory condition following decommissioning, the photographs below were taken prior to the permit being granted and following site closure.

Photographs of yard at Bryn Gwydd taken prior to Environmental Permit being granted in June 2014 and again after closure in June 2017



June 2014



June 2017

The 2 photographs above show separate access into, and exit through yard with weigh bridge in top left of picture. Centre right of picture shows area B for storage of inert excavation waste..



June 2014



June 2017

View showing top of yard (area A) which has continued to be used for storage of new materials used by GT Williams Ltd Civil Engineering works and not been utilised for inert excavation waste.

On 27th June 2017, NRW Environmental Compliance Officer – Mefty Haider – inspected the site condition and verbally indicated the site would only require submission of a Low Risk Permit surrender.

Appendix A

