

Northern Welsh Recycling

PAS 402:2013

Publicly Available Annual Report 2024

(1st January 2024 to 31st December 2024)

Foreword

Northern Welsh Recycling is an aggregates recycling facility based in our licensed Llechwedd Waste Transfer Station located in Blaenau Ffestiniog. Our directors have operated the Northern Welsh Quarries business from the site for several years and therefore bring their years of experience and expertise to the recycling industry.

Northern Welsh Recycling has been set up to receive aggregate waste from the construction industry in order to re-process the material into a valuable raw material. It is our core belief that by applying the right processing techniques to this material, we can supply a high-quality product that would have otherwise been destined for landfill.

As well as the environmental benefits of our business, we also offer our customer the convenience of not only disposing of waste but also being able to return to site with a load of recycled aggregate product, therefore reducing transport costs, environmental impact and time.

We are committed to continually improving our environmental, health, safety and quality aspects of our operation by operating to the clauses laid out in PAS 402:2013.

This report has been reviewed by Andy Carson, Director of Northern Welsh Recycling.

Signed: 

Andy Carson (Director)

Contents

- 1 Scope of Operations
- 2 Client Relationship
- 3 Impacts and Risks
- 4 Operational Management 5 Competence
- 6 Legal and other requirements
- 7 Corrective, preventive and improvement actions 8 Performance review

Date: January 2025

1 Scope of Operations

Northern Welsh Recycling is a recently established aggregates recycling facility based in our fully licensed Llechwedd Waste Transfer Station located in Blaenau Ffestiniog. Our Environmental Permit (permit No – EPR/AB3494CM) is registered in the name of Northern Welsh Recycling Limited and is standard rules permit SR2008 No 11 75kte.

This Permit, along with our planning permission (No. C17/0102/03/LL) allows us to accept and treat up to 75,000 tonnes per annum of inert and excavation waste and allows us to take the wastes listed therein (see Appendix 1 for a full list of acceptable EWC Codes). Table 1 outlines our permitted waste activities and limits for the operations undertaken at our site.

Table 1 – Permitted waste operations

Description of activities	Limits of activities
D15: Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced) R13: Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced) D14: Repackaging prior to submission to any of the operations numbered D1 to 13 D9: Physico-chemical treatment not specified elsewhere in Annex IIA which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D8 and D10 to D12 R3: Recycling/reclamation of organic substances which are not used as solvents R5: Recycling/reclamation of other inorganic materials	Treatment consisting only of manual sorting, separation, screening or crushing of waste into different components for disposal, (no more than 50 tonnes per day) or recovery.

2 Client Relationship

Our customers can contact us via telephone or e mail where their enquiries will be dealt with by one of our professional team members. We will outline to potential customers what wastes we can and cannot accept and if the wastes described by the client are acceptable one of our staff members will often make an appointment to go and visit the site. During this visit we will determine whether the waste is of sufficient quality for our process before agreeing on a mutually acceptable price.

All waste undergoes a visual inspection either on collection or on arrival at our site and if unacceptable wastes are identified they will be turned away or quarantined before disposal in the appropriate manner if identified after tipping.

The processing of material has begun on site with approximately 2000 tonnes screened and crushed during August 2019. The material produced was processed according to the grading specifications, as outlined in the "WRAP" protocol, and conformed to class 1A granular fill material.

We're happy to hear feedback about our services and products from customers; if we receive a complaint, it will be dealt with in a professional manner, by the appropriate member of our team, without delay, and an investigation undertaken to establish a satisfactory outcome for all parties concerned.

3 Impacts and Risks

We have undertaken risk assessments on activities relating to our waste management operations. After identifying all potential hazards associated with a particular operation, we will determine who may be affected by the hazard e.g., employees, customers, public etc. before evaluating the likelihood and consequence of the risk occurring. All risks are given a significance rating and those with the highest score are prioritised for immediate action. The competent person(s) will identify appropriate control measures and ensure all those that are or could potentially be affected are aware of them. All risk assessments are reviewed at least annually or immediately if activities change.

We work closely with Natural Resource Wales and within the scope of our Permit to ensure that our environmental impacts and risks are identified and controlled effectively. We operate our own internal systems which include processes for conducting regular checks of the site to evaluate compliance with the Permit conditions and if necessary, actions are taken to correct any issues identified.

We endeavour to separate and segregate all materials and product (see Figure 1) so that the highest level of quality is retained before sale. Regular visual inspections are undertaken of the materials to ensure that there is no cross contamination and that materials are preserved to the highest possible standard. Furthermore, we have our own internal business continuity plan detailing how unexpected and emergency situations have been planned for these detail prevention and mitigation measures for instances such as fire, flood, spillage etc.

4 Operational Management

We have developed internal operational control systems in accordance with our Permit requirements and other regulatory responsibilities. These enable us to effectively fulfil our legal and licensing obligations and capture all necessary data for reporting requirements.

Where there is to be more than one transfer of waste, we ensure that appropriate duty of care measures is applied. This entails records of incoming wastes with its appropriate EWC code(s), the weight of that waste together with the next or end destination of waste. We have suitable and sufficient waste storage areas, as detailed in figure 1 - site plan, within the site permit boundary.

All wastes are held on site in compliance with our permit conditions. We control hazardous wastes in a manner that is proportionate to the hazards and risks, when necessary, we store unacceptable waste in appropriate containment areas (see quarantine area in Figure 1). Any wastes our organization generates where possible are recycled and are stored, handled and disposed of in line with duty of care requirements. Our waste management processes are described below.

Stage 2 – Arrival at site

On arrival at site, the load will be weighed using our calibrated weighbridge. The driver shall report to the site office in order to record the details of the load and to complete the relevant paperwork. At this point a visual inspection of the load will also be undertaken before the driver is allowed to tip. If unacceptable wastes are identified, they will be turned away or quarantined before disposal in the appropriate manner if identified after tipping.



Stage 3 – Deposit of loads

Once a load has been accepted, the driver will be directed to the appropriate bay or area of the site in order to deposit the load. Only one vehicle will be allowed to tip at any one time and all site operatives will be away from the tipping area.



Stage 4 – Processing

Once enough material is deposited, wastes are to be screened manually and mechanically and crushed to produce various grades of aggregates in accordance with the WRAP Protocol.



Stage 5 – Testing

After processing, all products will be tested by a UKAS accredited laboratory in accordance with the requirements of the Wrap Quality Protocol for Recycled Aggregates.

Stage 6 – Sale

Customers can collect directly from our site, or we are able to take the product directly to the customer. Using a variety of our own HGV vehicles.



5 Competence

We have technically competent and qualified staff working throughout our operations. We have a WAMITAB qualified person that is responsible for the management of the waste transfer station. All job roles will be analysed by the Directors in order to determine the training needs and competency levels required by our staff. For instance, all machine operators will hold the relevant qualifications for the equipment that they operate. We have developed a range of operational control procedures i.e., re-fuelling, dealing with spills, waste acceptance etc. and these are communicated to all relevant staff along with the appropriate risk assessments for their roles and records of communication maintained.

6 Legal and other requirements

We achieve legal compliance through advice from external specialist consultants, a bi-monthly legal update service and regular liaison with regulators. We have a register of applicable legislation which is updated and details the specific requirements to us. Our WAMITAB qualified member of staff undertakes regular monitoring and site inspections of all activities which enables us to respond quickly and effectively to any non-compliance and introduce suitable remediation measures. Daily plant and vehicle checks are also undertaken, and any issues are reported directly to the Directors for attention. Records of these checks are kept at the site weighbridge office.

7 Corrective, preventative and improvement actions

All staff are aware of the lines of communication within the company and will report any actual or potential problems to their manager. The appropriate manager will, if deemed necessary, undertake an investigation into the problem in order to determine the cause of the problem before agreeing on appropriate corrective and preventive actions, which are followed up within a pre-determined timeframe to assess whether they were successful.

All accidents are recorded in the accident book and if necessary, they are reported to the HSE in line with RIDDOR requirements. All issues are recorded daily in the site diary which is analysed routinely to assess any trends that may be occurring and to determine whether extra control measures are required in certain areas or activities.

8 Performance review

We have identified key performance indicators such as the amount and quality of feedstock coming in, the amount of product sold, the amount of work being undertaken, and we regularly review these together with the activities identified in clauses 4 to 11 of PAS 402.

We screened and crushed from the unprocessed stockpile in April 2024 due to good dry weather. We again mobilised both the screener and crusher on contract hire, which processed an additional 6,000 tonnes of material estimated to be split into 1,000 tonnes of sub soil, rest was crushed into an additional 5,000 tonnes of recycled aggregates. The material produced was tested by Celtest Environmental Lab Testing and certification, as shown in the last pages of the report.

2023 Breakdown

Material on site – 15,700 T

Processed – 8,782 T

Unprocessed – 6,918 T

2024 Breakdown

Q1 January – March

Rubble (17.01.07) = 823.66 T

Soil + Stone (17.05.04) = 1533.36 T

Concrete (17.01.01) = 3 T

Product sold = 1,285.26T

Q2 April – July

Rubble (17.01.07) = 410.92 T

Soil + Stone (17.05.04) = 1,324.04 T

Tarmac (17.03.02) = 27.24 T

Product sold = 992.32 T

Q3 July – September

Rubble (17.01.07) = 263.12 T

Soil + Stone (17.05.04) = 1,918.29 T

Concrete (17.01.01) = 46.32 T

Tarmac (17.03.02) = 76.96 T

Product sold = 1,012.34 T

Q4 October – December

Rubble (17.01.07) = 189.48T

Soil + Stone (17.05.04) = 2,927.46 T

Concrete (17.01.01) = 77.73 T

Product sold = 2,632.88T

2024 Total

Material in = 9,679 T

Material sold as product = 5,923T

Additional Material processes = 6,000 T (1,000T subsoil , 5,000T recycled aggragtes)

Material on site = 19,456 T

Processed = 8,859 T

Un processed = 10,597 T

Table 2 – Material Recovery / Landfill Rates for the Reporting Period

Material

Q1

Recovery – 100%

Landfill – 0%

Q2

Recovery – 100%

Landfill – 0%

Q3

Recovery – 100%

Landfill – 0%

Q4

Recovery – 100%

Landfill – 0%

Aggregates

Appendix 1 – Permitted Waste Codes under our Environmental Permit (EPR/AB3494CM)

17	CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)
17 01	concrete, bricks, tiles and ceramics
17 01 01	Concrete
17 01 02	Bricks
17 01 03	tiles and ceramics
17 01 07	mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
17 02	wood, glass and plastic
17 02 02	Glass
17 03	bituminous mixtures, coal tar and tarred products
17 03 02	bituminous mixtures other than those mentioned in 17 03 01
17 05	soil (including excavated soil from contaminated sites), stones and dredging spoil
17 05 04	soil and stones other than those mentioned in 17 05 03
17 05 08	track ballast other than those mentioned in 17 05 07
20	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 02	garden and park wastes (including cemetery waste)
20 02 02	soil and stones

Northern Welsh Recycling Ltd
Floor 7
Llechwedd Slate Quarry
Blaenau Ffestiniog
Gwynedd
LL41 3NB

Date: 19 April 2024
Test Report Ref: TR 1027567

Page 1 of 1

LABORATORY TEST REPORT

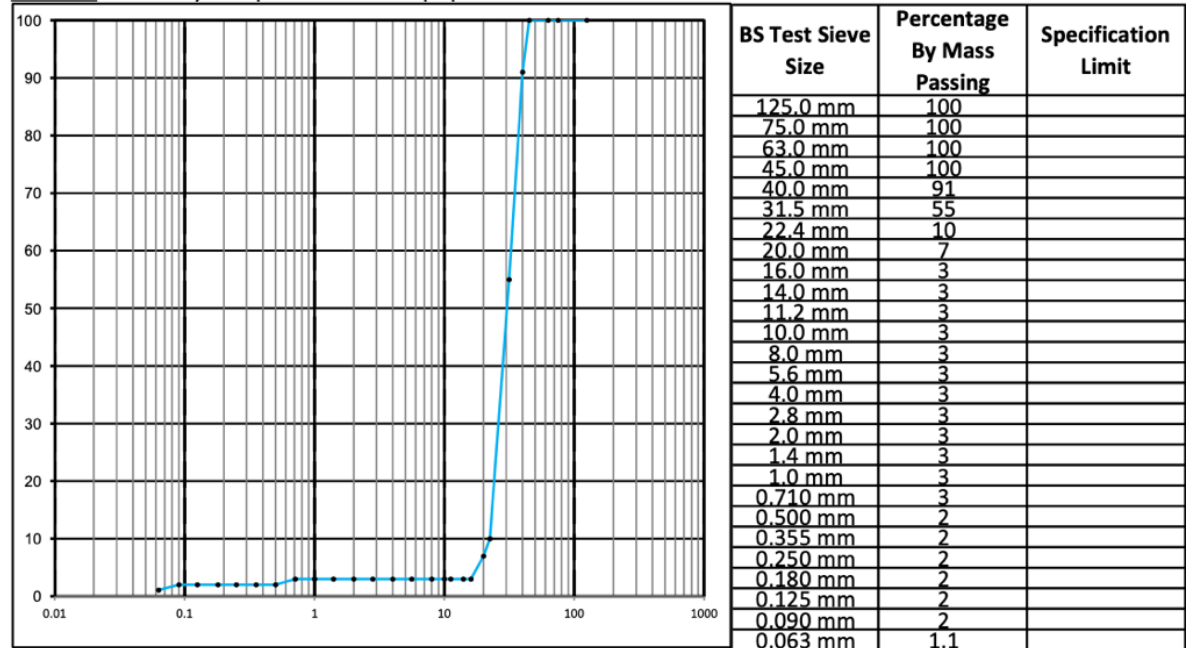
TEST REQUIREMENTS:

To determine the Particle Size Distribution (PSD) of a aggregate sample-
washing and sieving method in accordance with **BS EN 933-1: 2012**.

SAMPLE DETAILS:

Certificate of sampling received:	No	Name of Source:	Unknown
Laboratory Ref. No:	S120128	Method of Sampling:	Unknown
Client Ref. No:	40mm	Sampled By:	Client (Test results apply to sample as received)
Date and Time of Sampling:	Unknown	Tested By:	JH
Date of Receipt at Lab:	08/04/2024		
Date of Start of Test:	09/04/2024		
Sampling Location:	Unknown		
Material Description	40mm		

RESULTS: Were any unrepresentative lumps present? No



This test report shall not be reproduced, except in full, without the written approval of Celtest Company Limited.

These results relate only to the items tested.

Comments:

None

Report checked and approved by:



Euros Jones
Technical Manager

Northern Welsh Recycling Ltd
Floor 7
Llechwedd Slate Quarry
Blaenau Ffestiniog
Gwynedd
LL41 3NB

Date: 19 April 2024
Test Report Ref: TR 1027571

LABORATORY TEST REPORT

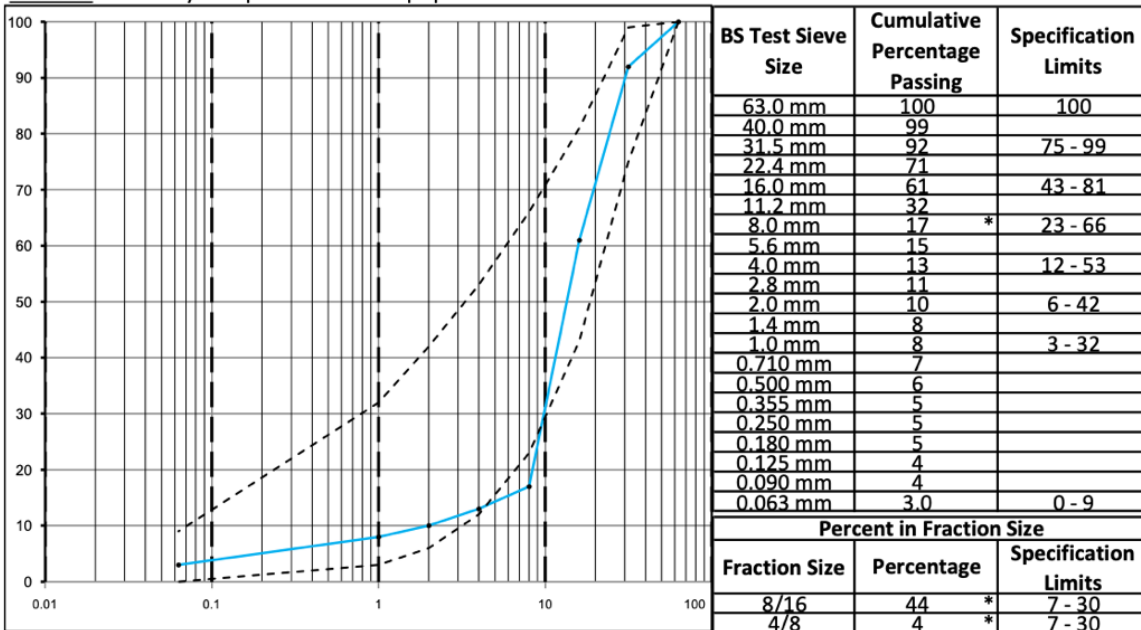
TEST REQUIREMENTS:

To determine the Particle Size Distribution (PSD) of a aggregate sample - washing and sieving method in accordance with **BS EN 933-1: 2012**.

SAMPLE DETAILS:

Certificate of sampling received:	No	Name of Source:	Unknown
Laboratory Ref. No:	S120128	Method of Sampling:	Unknown
Client Ref. No:	Sub-base	Sampled By:	Client (Test results apply to sample as received)
Date and Time of Sampling:	Unknown	Tested By:	JH
Date of Receipt at Lab:	08/04/2024		
Date of Start of Test:	09/04/2024		
Sampling Location:	Unknown		
Material Description:	Sub-base		
Target Specification:	SHW Series 800: Clause 803 Table 8/5 overall grading range		
	Type 1 Unbound Mixture		

RESULTS: Were any unrepresentative lumps present? No



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Comments

*Fails to comply with specification requirements for Type 1 Unbound Mixture - Grading limits

Report checked and approved by:



Euros Jones
Technical Manager

Northern Welsh Recycling Ltd
Floor 7
Llechwedd Slate Quarry
Blaenau Ffestiniog
Gwynedd
LL41 3NB

Date: 19 April 2024
Test Report Ref: TR 1027568

Page 1 of 1

LABORATORY TEST REPORT

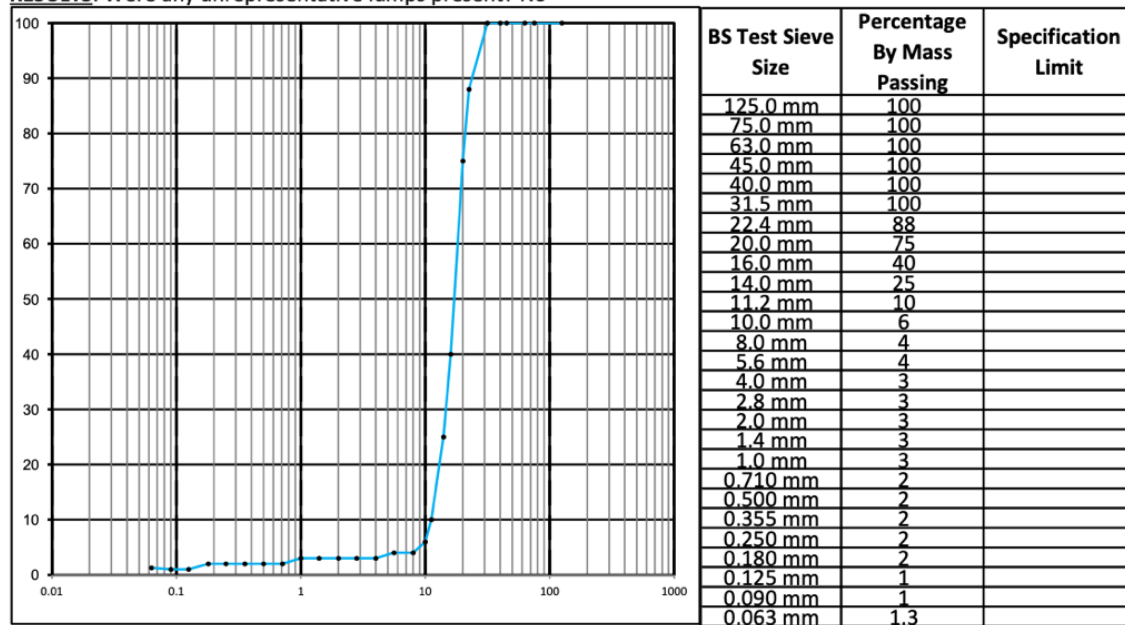
TEST REQUIREMENTS:

To determine the Particle Size Distribution (PSD) of a aggregate sample-
washing and sieving method in accordance with BS EN 933-1: 2012.

SAMPLE DETAILS:

Certificate of sampling received:	No	Name of Source:	Unknown
Laboratory Ref. No:	S120128	Method of Sampling:	Unknown
Client Ref. No:	20mm	Sampled By:	Client (Test results apply to sample as received)
Date and Time of Sampling:	Unknown	Tested By:	JH
Date of Receipt at Lab:	08/04/2024		
Date of Start of Test:	09/04/2024		
Sampling Location:	Unknown		
Material Description	20mm		

RESULTS: Were any unrepresentative lumps present? No



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Comments:

None

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