

**GWENDRAETH VALLEY RECYCLING Ltd.,
Carway Fawr Site Office,
Former Cynheidre Colliery,
Five Roads, Llanelli
SA15 5YN**

WORKING PLAN
Recycling Centre & Transfer Station Site

Doc Ref Cyn./ WP 1
June 2010

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Introduction.

This Working Plan has been prepared with reference to the Environment Agency Document " Working Plan Guidance and Specification , Volume 1,19 February 2000 : Waste Management Licenses Edition 2, August 1999" and the paragraph numbers follow those contained in the above document.

In addition, headings contained in "Getting the Basics Right" have been incorporated to meet the latest Environment Agency requirements.

SECTION 1 GENERAL CONSIDERATIONS.

WP/1.110 Specified Operations.

The site operations are designed for the purposes of recycling all or the main content of the waste delivered / imported into the facility.

The facility has been developed as a waste transfer station for waste arising from industrial and commercial sources imported by licensed waste carriers, mainly the Permit Holder's own vehicles.

For the purposes of licensing (Permitting), the specified waste operations are classified under the Waste Recovery Operations - R4(recycling or reclamation of other inorganic materials), D15, R13 (Storage pending disposal or recovery)

The waste categories to be imported into the facility are contained in the European Waste Catalogue and are listed below.

NOTE – Any waste whose six-digit code is marked with an asterisk (*) is a hazardous waste.

01.Wastes resulting from exploration, mining quarrying and physical and chemical treatment of minerals.

01 01 02 Wastes from mineral non-metalliferous excavation.

Wastes from physical and chemical processing of non-metalliferous excavation.

- 01 04 08 waste gravel and crushed rocks other than those mentioned in 01 04 07
- 01 04 09 waste sand and clays

02 Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing, food preparation and processing.

Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing.

- 02 01 10 waste metal.

17 Construction and demolition waste (including excavated soil from contaminated sites) 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, tiles, bricks and ceramics other than those mentioned in 17 01 06.

17.02 wood, glass and plastic

- 17 02 01 wood.
- 17 02 02 glass.
- 17 02 03 plastic.

17 04 metals (including their alloys)

- 17 04 01 copper, bronze, brass.
- 17 04 02 aluminium.
- 17 04 03 lead.
- 17 04 04 zinc.
- 17 04 05 iron and steel,
- 17 04 06 tin.
- 17 04 07 mixed metals.

17 06 Insulation Materials

- 17 06 05* Construction materials containing asbestos.

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.

17 08 Gypsum based construction materials.

- 17 08 02 gypsum based construction materials other than those mentioned in 17 08 01.

17. 09 Other construction and demolition waste.

17 09 04 mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03.

19.12 Wastes from mechanical treatment of wastes (for example sorting, crushing, compacting, pelletising) not otherwise specified.

19 12 01 paper and cardboard.

19 12 02 ferrous metals.

19 12 03 non-ferrous metals.

19 12 04 plastic and rubber.

19 12 05 glass.

19 12 07 wood other than mentioned in 19 12 06.

19 12 08 textiles.

19 12 09 minerals (for example sand stones)

20 Municipal wastes (Household wastes and other similar commercial, industrial and institutional wastes) including separately collected fractions.

20.01 Separately collected fractions (except 15 01)

20 01 01 paper and cardboard.

20 01 02 glass.

20 01 38 wood other than that mentioned in 20 01 37.

20 01 39 plastics.

20 01 40 metals.

20.02 Garden and park waste (including cemetery waste.)

20 02 02 soil and stones.

20 02 03 other non-biodegradable waste

Site operations from acceptance to removal will follow the procedures described below.

Waste Acceptance

All waste , as permitted under the terms of the site waste management permit

and the conditions of the planning consent will enter the facility via the secure

main access gates as shown on the site layout plan ref CYN/MAN/2

All waste carrying vehicles entering the licensed facility are directed to the site

Office or weighbridge (when installed) and the driver is required to attend at

the site office..

Here the waste transfer documentation is checked and the exposed waste consignment examined visually.

Until the weighbridge is installed, waste quantity records (weights) will be calculated by applying the Environment Agency approved conversion factor (Appendix J) to information relating to the waste type and capacity of the carrying container (e.g. skip volume)

A schedule of permitted wastes is clearly displayed at the site office for ease of reference by the designated proficient person/s.

In the event of any delay in examination of the waste consignment documentation or doubt in respect of the consignment, the vehicle is directed to a holding area until the proficient person is satisfied that the documents are in order and that the waste conforms with the terms of the site permit.

The waste is then segregated (if necessary) into recyclable waste and the surplus destined for disposal at a suitably licensed landfill site.

Segregation is carried out either manually and / or by rubber tyred front loading shovel.

Waste to be accepted at the facility are not considered to be of a type that will form a serious risk to human health nor to the environment and the activities and associated risks are described in Accident Management Plan Ref CYN/AMP/1

However, if during discharge or subsequent segregation unacceptable waste is discovered, the character, quantity and if possible the source is recorded and the information retained for inspection.

The unacceptable waste is set aside for subsequent removal to a suitably permitted facility

If the unacceptable waste falls into the hazardous category, the Environment Agency is informed immediately.

The hazardous waste is removed into the enclosed quarantine container in accordance with appropriate codes of practice, including the use of the recommended Personal Protective Equipment.

It is anticipated that one quarantine skip only is required but circumstances may require a second or more containers.

Quarantine container/s are stored on an impermeable surface adjoining the waste transfer station building.

All waste movements will conform with the requirements of the Environmental Permitting Regulations.

(b) Waste Leaving the facility.

All waste leaving the facility, whether destined for recycling or final disposal will be subject to a visual and documentary check prior to leaving the facility.

All waste leaving the facility will pass over the weighbridge (when installed) and the relevant details are recorded and the records retained.

In the event of the permitted site becoming operational prior to the installation of a weighbridge, quantity information will be recorded using the same conversion factor system as described above for incoming waste.

The maximum period for retention of unacceptable waste will be 7 days and all other waste whether destined for recycling or disposal will be 28 days.

WP/1.120 Permitted Waste.

Waste Types. The full range of wastes to be accepted at the facility are those identified with their relevant European Waste Catalogue code in section WP/1.110 a copy of which is displayed at the site office for ease of reference in document Appendix G.

The total quantity of waste to be accepted annually is less than 75,000 tonnes.

Risk Management.

The waste types to be accepted at the facility are subject to checks, documentary and visual to ensure that operatives responsible for waste acceptance are suitably trained in identifying waste types and in recording the necessary information under the duty of care provisions and other requirements as described in the Environmental Permit.

Appendices D & E to this working plan have been prepared in order to specify the procedures to be adopted in the event of non-permitted waste being encountered at the facility.

Appendix H is specific to the handling and storage of bonded asbestos.

WP/1.130 Hours of Operation.

The hours of operation to which the site planning consent also apply are –

07:30 -	17:00	Monday – Friday
08:00 -	13:00	Saturday

Closed Sunday, Bank Holidays and Public Holidays.

SECTION 2

Site Engineering for Pollution Prevention.

WP/2.210

Site Surface Water Management Systems.

The existing transfer station building area contains a floor of reinforced concrete as an impermeable surface and will be inspected by a Chartered Civil Engineer who will report whether or not the impermeable surface is in good condition and fit for purpose as described in the site Permit and this Working Plan.

The whole impermeable surface is constructed in reinforced concrete.

Impermeable pavement and sealed drainage system.

Waste deposited for segregation is deposited inside the main transfer station building and on the impermeable surface i.e. reinforced concrete floor.

The floor is laid to falls directing any liquid into the sump (capacity 1,500 litres), the location being shown on site layout plan of the sump is checked daily by use of a calibrated wooden dip stick and when the calibration shows

that the sump is at or near 80% full, arrangements are made for emptying, ensuring that the contractor used to empty the sump is suitably licensed to remove the waste and that the waste (liquid) is transported to a suitably licensed / permit disposal / treatment facility.

The entrance to (and exit from) the main transfer station building is separated at the entrance / exit from the external hardstanding area by a rollover sleeping policeman arrangement which directs any run-off from within the building to the previously described storage tank arrangement.

The slab edge, other than at the entrance / exit is enclosed within the building's brick surrounding wall to ensure containment of any liquid on the impermeable floor.

Main Building.

Currently, the existing building is being refurbished where necessary and a new impermeable floor laid or repaired where necessary.

Roof water from the transfer station building is collected and allowed to drain naturally on the surrounding hardstanding as is the current arrangement.

SECTION 3 SITE INFRASTRUCTURE.

WP/3.320 Site Security.

The whole licensed site is within a wider enclosed site occupied by Cynheidre Valley Recycling Ltd., and during the time during which the site and adjoining land has been occupied, the entrance barrier and surrounding stockproof fencing (as required by the planning consent conditions) has proven to be fit for purpose.

Access to the site entrance is via a pair of 1.00m high lockable steel security barriers which again have proven to be fit for purpose during the site's operational life.

Immediate access to the permitted site is via a lockable steel security gate. The security gates and site boundary stockproof fencing are inspected daily. The transfer station building is also inspected daily and the outcome of that inspection recorded either on the site diary / log or on the daily inspection sheet shown on Appendix A to this Working Plan.

Any defect encountered during this inspection is repaired as a temporary measure during the working day with permanent repairs completed within 7 working days.

SECTION 4 SITE OPERATIONS.

WP/4.[140]: Control of Mud and Debris.

Daily and constant inspections of site movements will ensure that any mud or debris caused by the site operations are cleansed manually as soon as the mud or debris is detected.

The permitted area is a considerable distance (460m) from the main public highway and as well as on the immediate access road any defect is recorded in the site diary / daily log.

If during extensive adverse weather conditions, there appears to be a threat that the run off from the site access road may be in danger of encroaching upon the surfaced access road and the public highway, mechanical sweeping supplemented by manual cleansing (when necessary) is implemented..

WP/4.[151] Potentially Polluting Leaks and Spillages of Waste.

Any potentially polluting leaks and spillages detected on site, i.e. inside the transfer station building are dealt with immediately by application of spill mats and / or spill kits stored conveniently inside a storage container located adjacent to the transfer station building.

The used contaminated equipment is removed by an experienced licensed waste carrier to a suitably licensed / permitted recycling or disposal facility. Removal of any contaminated material is subject to the necessary duty of care waste transfer documentation.

This procedure is recorded in Appendix C and the Spillage Plan for training and reference purposes.

WP/4.[153] Fires On Site.

No burning of waste will be carried out on site.

In the event of a fire accidentally occurring, the procedures described in Appendix C (Emergency Procedures) to this Working Plan are implemented.

The site of the fire will be immediately evacuated of non-essential personnel and in the case of a minor incident, fire extinguishers or water spray will be applied. In the event of a major or potentially major fire occurring, the emergency services will be notified , the site cleared of all personnel and all necessary co-operation offered to the senior emergency officer in attendance.

In the event of fire fighting which necessitates the application of quantities of water, a temporary boom will be provided by laying an adequate number of sandbags or similar items or equipment in order to contain any run off.

Following containment of such run-off, the liquid collected will be disposed of according to any contaminants that may be present e.g. suspended solids will

be separated or if other contaminants are present (e.g. fuel /oil from vehicles /plant) the liquids will be removed from site by a suitably licensed carrier to a suitably licensed (permitted) disposal facility.

All incidents of fires will be reported to the Environment Agency as soon as reasonably practical (Tel 0800 807060).

WP/4[210] WASTE ACCEPTANCE AND CONTROL SYSTEMS AND PROCEDURES.

1. Waste Acceptance and control.

The following reception procedure is recorded in abbreviated form, for reference and training purposes, in appendices D1 and D2 to this working plan.

Waste Transfer Station.

On arrival at the facility, all drivers of vehicles carrying waste from commercial or industrial premises are required to park their vehicles at the site office (or when installed, the site weighbridge) where the documentation is checked and the weight (gross and tare) is recorded either by direct weighing or by application of conversion factors as previously described.

The documentation is scrutinised by a competent trained member of staff who will ensure that the necessary information concerning the waste source, waste type, waste carrier license number, date, vehicle registration are noted and properly recorded. Driver interrogation forms part of the document check. The consignment is inspected for conformity with the terms of the site Permit. Subject to the documentation being in order, the vehicle is directed to the appropriate discharge point.

During tipping and any subsequent segregation, the waste consignment is further examined to ensure that only permitted waste is present.

During segregation, the waste items are placed in the appropriate recycling container / location or the container set aside for removal to the permitted disposal facility.

Bonded asbestos delivered to site will be examined and full / long lengths of sheeting or large fittings will be carefully placed in the marked lockable secure container. A decision on wrapping of such asbestos items will be taken to meet the requirements specified by the chosen disposal facility.

Details of handling arrangements, in particular o small pieces of bonded asbestos are recorded in Appendix H to this document.

Segregation and Unacceptable Waste.

In the event of unacceptable waste i.e. waste not in conformity with the site permit being detected, the following procedure will be implemented.

These procedures are also recorded in abbreviated form for training and reference purposes in appendices D and E to this Working Plan.

In the event of the waste documentation accompanying the consignment being unsatisfactory, the vehicle concerned will be directed to a holding area within sight of the competent person while further enquiries are conducted.

If following these enquiries, the documentation or consignment are found to be unsatisfactory, the carrying vehicle will be directed from site and an appropriate entry of the facts made in the site diary and the incident reported to the Environment Agency.

The quarantine skip (secure steel container) for the storage of unacceptable waste is located as shown on the site layout plan ref CYN/MAN/2.

Unacceptable waste which is non-putrescible will be removed from site within 7 days.

2.Waste Despatch.

All waste leaving the facility, whether for recycling or disposal is subject to the waste transfer documentation containing details of date, waste description, carrier details, quantity and destination.

All these details are recorded in a secure manner for future reference.

WP/4.[230] Waste Quantity Measurement System.

All waste arriving or leaving the facility is will either be required to pass over the site weighbridge (when installed) for the purposes of recording the consignment weight.

When available, details of the weighbridge manufacture, capacity etc. will be provided to the Environment Agency for record purposes.

Until the weighbridge is installed, information concerning the waste type and container capacity will be recorded and the Conversion Factors contained in Appendix J will be applied to record the waste quantity arriving and leaving the facility.

SECTION 5 POLLUTION CONTROL, MONITORING AND REPORTING SYSTEMS.

WP/5.[500] Surface Water monitoring and reporting.

The sealed drainage system for the collection of surface water inside the main transfer station building (Building A on Site Layout plan ref CYN/MAN/2) is subject to a daily inspection for capacity and seepage to ensure that there is no risk to groundwater

Roof water from the buildings at the facility is directed to the arrangements described in WP/2.210 (c) i.e informal soakaway arrangements.

SECTION 6 AMENITY MANAGEMENT AND MONITORING.

WP/6.[010] Control , monitoring and reporting of dusts, fibres and particulates.

Dusts which may be produced during unloading, segregating, loading or storage of waste is controlled , both inside and outside the main transfer station building by application of water spray sourced from a mains water supply. Any dust produced along the access road will be treated by water spray delivered from a mobile bowser stored on site

The decision to implement the water spray will be taken by the site

manager or supervisor on site having regard to the conditions inside and outside the main transfer station building.

A decision to implement the water spray will be recorded in the site diary.

WP/6.[020] Control of Odours.

The waste type to be accepted at the facility is unlikely to be of an odour creation type.

However, in the event of unexpected factors resulting in the creation of odours, the senior supervisor is given the authority to apply a proprietary brand of de-odouriser or to employ a specialist contractor for that purpose.

De-odouriser application will be recorded in the site diary.

In the unlikely event of an odour problem being detected, the material giving rise to the odour will be treated as unauthorised waste and placed in a quarantine skip and removed from site within 24 hours.

WP/6.[030] Control and Monitoring of Noise.

Site noise is likely mainly to occur as a result of the movement of plant and vehicles on site. Noise generated by these movements are similar to other similar plant and vehicles in general commercial use.

All the vehicles and plant used at the facility are of a roadworthy type and conform to the Construction and Use Transport Regulations in respect of engine noise and emissions and exhaust silencers and are maintained at regular intervals as indicated in the manufacturers recommendations.

WP/6.[040] Control of Pests.

The waste imported into the facility is not of a type to attract pests. However, in the event of a pest infestation being detected during the daily inspection, expert treatment will be implemented either by employees or by suitable contractors.

Details of any pest control activities will be recorded in the site inspection log and the site diary.

WP/6.[050] Control of Litter

A daily record of litter inspection is held on the Daily Inspection Sheet (Appendix A) or on the site diary / daily log, and during the working day, site supervisors will be alerted to any incidents of litter on site.

Any evidence of litter will be attended to by hand clearance when the litter collected will be deposited in the relevant container, either for recycling or disposal.

SECTION 7 SITE RECORDS.

WP/7.1 SECURITY AND AVAILABILITY OF RECORDS.

Documents, either in hard copy or computerised form are held securely at the site office. Access to the statutory documents and records are made available to any authorised Environment Agency officer.

Details of documentation and security arrangements are considered to be confidential but can be a matter of discussion with an authorised Agency officer.

Appendix A

Gwendraeth Recycling Ltd.

	Inspection Records.	
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		DAILY INSPECTION .	
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Code A.	Drainage incl. discharge sampling point.
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CodeB	Litter				
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Code C	Security (Fence & Gates)		
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Code D	Isolation Container.			
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Code E	Dust				
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Code F	Mud & Debris.			
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Code G	Hardstanding.			
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NOTE. Any comments in respect of the inspection MUST be entered in the Site Diary.					

Insp. Code	Date	Signature	Insp. Code	Date	Signature
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[illegible]

Gwendraeth Valley Recycling Ltd.,

Emergency Procedure - Fire

The safety policy adopted by Gwendraeth Valley recycling Ltd., will be adhered to at all times and the following particular procedure will be the subject of training in order that all employees are knowledgeable in the procedures to be adopted.

FIRE.

In the event of a fire being detected at any location at the permitted area the following procedure will be implemented without delay -

- Senior manager on site notified immediately
- Warning siren sounded and all personnel directed to the nominated assembly point.
- All visitors to the site identified by reference to the visitors book and visitors escorted to the site entrance exit gate.
- fire extinguishers / water spray to be directed at the fire if it is safe to do so.
- Emergency services notified and senior manager on site to liaise with the emergency services and provide any assistance requested.
- Environment Agency notified.
- If water spray is utilised, all drainage channels and outlets banded to prevent run-off.

When emergency has been satisfactorily dealt with, a full report will be prepared.

Appendix D

Cynheidre Valley Recycling Ltd.

Vehicle Arrival Procedure

- Driver to secure vehicle and report to site office.
 - Responsible person to check documentation.
 - Interrogation of driver to check accuracy of documents
 - Visual inspection of waste consignment for permit compliance
 - If Satisfactory – Record information.
 - Direct driver to locate vehicle on weighbridge (When Installed) for weight recording purposes.
 - Remove vehicle to transfer station building
 - Discharge consignment where directed at transfer station building
 - Check that all documentation is fully recorded and filed.
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Appendix E

Cynheidre Valley Recycling Ltd.

Procedure following waste deposit.

- Visually check waste during and after discharge.
 - Non-Compliant Items – Immediately notify supervisor, Isolate Item/s
 - Place non-compliant items in isolation container
 - Record actions taken in site diary / log.
-
-
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Appendix F
Cynheidre Recycling Ltd.,

Accident Management Plan

The purpose of the following format is to indicate the procedures to be undertaken and is also indicated in the headings "Hazard!", "Pathway" and Risk Management in the Environmental Risk Assessment in Tabular Form, indexed Appendix K.

1. Hazard

Spillage (Solid)

Solid waste spillage resulting from vehicle overload or unsupervised loading.

Receptor.

Employee workplace and movement vehicle routes.

Vehicle travelling along the internal access road layout.

Pathway (Pathway to receptor)

Non- Removed spillage.

Risk Management

See Spillage Plan

Consequence,

Injury to site visitors or site employees

Tripping over solid spillage on access routes.

Overall Risk

Insignificant subject to supervision and spillage plan being adhered to.

2. Hazard

Spillage (Liquid)

No liquid waste is accepted at the facility and the only source is therefore the liquids in the site plant and vehicles e.g. hydraulic oil and lubricating oil or plant / vehicle fuel leaks.

Receptor.

On site drainage system and hardstandings.

Pathway.

Run off from impermeable surface or direct on hardstandings.

Risk Management

See " Spillage Plan"

Regular vehicle / plant maintenance.

Consequence.

Overfill of drainage storage tank or servicing failure of plant / vehicles.

Overall Risk.

Small subject to checks and maintenance being implemented.

3. Hazard

Fire.

Emergency plan describes the procedures to follow.

Receptor.

The general environment within and adjacent to the permitted area.

Pathway

Airborne (smoke and embers)

Risk Management.

Separation of inflammable items / materials

Probability of exposure

Low probability.

Consequence.

Damage to plant / equipment and buildings.

Injury to employees generally and human health within the immediate area.

Overall Risk

Low.

4. Hazard

Surface water drainage system blockages,

Daily inspection of permitted area and standing water noted will identify hazard

Receptor.

groundwater

Pathway.

Drainage pipes and groundwater routes.

Risk Management.

Any incident of standing water will be reported to the site manager without delay and the standing water area will be isolated by barriers to prevent vehicles / plant entering the affected area.

Standing water will be removed without delay and the contaminated water removed to a suitably permitted facility.

Probability of exposure.

Low.

5 Hazard
Dust.

Receptor
Adjacent land.

Pathway.
Airborne.

Risk Management.

Constant review will be carried out during inclement weather ie. windy conditions.

Supervisor will employ mains water fine water spray or water spray delivered via bowser when dust emanates from access tracks.

Exposure probability.
Low.

6. Hazard
Security / vandalism

Receptor
Adjoining land / premises
Permitted area infrastructure.

Pathway to receptor.
via damaged fencing or gates /barriers.

Risk management.

Daily site inspection and regular movement on site will identify any security lapse.

Immediate steps taken to implement temporary repairs.

Probability of exposure
Low

Consequence.

Possible damage to equipment or interference with waste stored.

Overall Risk.
Low.

Cynheidre Valley Recycling Ltd.

Potentially Polluting Leaks and Spillages.

Spillage Plan.

Possible pollution may result from accidental leaks or spillages from plant or vehicles as no liquid waste is imported into the facility.

As well as identifying the possible source of pollution arising from liquid spillage, the potential target is identified as groundwater, the measures required to mitigate against the spillage causing such pollution are shown below -

Spillage of polluting liquid - steps to be taken

- Site manager notified.
- All local discharge points e.g outlets, are to be blocked off using sand bags held at the transfer station building .
- The area surrounding the spillage to be isolated by application of absorbent granules or clean sand stored in containers inside the main building,
- Sufficient absorbent granules or sand to be applied until all liquid has been absorbed.
- Contaminated granules / sand to be loaded into suitable containers (drums) and transported to a suitably permitted disposal or recovery site.
- Environment Agency notified.
- All necessary documentation to be completed.
- Full report containing all facts surrounding the incident and recovery to be recorded.

Cyn. Spillage plan.1

Appendix G

Schedule of Permitted Wastes.

NOTE - Any wastes whose SIX DIGIT code is marked with an asterisk (*) is categorised as a hazardous waste.

01. Wastes resulting from exploration, mining, quarrying and physical and chemical and treatment of minerals

01 01 02 Wastes from mineral non-metalliferous excavation

Wastes from physical and chemical processing of non-metalliferous excavation.

01 04 08 Waste gravel and crushed rocks other than those mentioned in
01 04 07

01 04 09 Waste sand and clays.

02 Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing.

02 01 10 Waste metal

17 Construction and demolition waste (including road construction) tiles and ceramics.

17 01 Concrete, bricks, ceramics and gypsum based materials.

17 01 01 concrete

17 01 02 bricks

17 01 03 tiles and ceramics

17 01 07 mixtures of concrete, tiles, bricks and ceramics other than those
mentioned in 17 01 06

17 02 Wood , glass and plastic.

17 02 01 wood

17 02 02 glass

17 02 03 Plastic

17 04 Metals (including their alloys)

17 04 01 copper, bronze, brass

17 04 02 aluminium

17 04 03 lead

17 04 04 zinc

17 04 05 Iron and Steel

17 04 06 Tin

17 04 07 Mixed Metals

**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

17 06 Insulation materials

17 06 05* Construction materials containing asbestos.

17 08 Gypsum based materials.

17 08 02 gypsum based construction materials other than those mentioned in 17 08 01

17 09 Other construction and demolition waste

17 09 04 mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03

19.12 Wastes from mechanical treatment of wastes (for example sorting, crushing, compacting, pelletising) not otherwise specified.)

19 12 01 paper and cardboard
19 12 02 ferrous metals
19 12 03 non ferrous metals
19 12 04 plastic and rubber
19 12 05 glass
19 12 07 wood other than mentioned in 19 12 06
19 12 08 textiles
19 12 09 minerals (for example sand stone)

20 Municipal wasts (Household wastes and other similar commercial, industrial and institutional wastes) including separately collected fractions.**20 Separately collected fractions (except 15 01)**

20 01 01 paper and cardboard.
20 01 02 glass
20 01 38 wood other than that mentioned in 20 01 37
20 01 39 plastics
20 01 40 metals

20 02 Garden and park waste (including cemetery waste)

20 02 02 soil and stones
20 02 03 other non-biodegradable waste.

Appendix H

Cynheidre Recycling Ltd.

Asbestos Handling & Bagging

All arrivals of bonded asbestos materials (bonded asbestos sheets and fittings) when possible, are subject to pre-notification and when delivered, the bonded asbestos will be placed in an identifiable enclosed lockable container (skip) , located on an impermeable surface adjoining the main transfer station building.

Transfer of the bonded asbestos will be carried out with particular care to ensure that no fibres are released and that personnel handling the material will be equipped and will use the appropriate protective equipment.

In the event of asbestos waste being noted to be in small pieces (under 600mm in any one direction) the pieces will be double bagged. This double bagging will consist of the asbestos pieces being carefully placed in RED plastic bags which will then be sealed.

The RED plastic bag will be placed inside an outer TRANSPARENT plastic bag which will also be sealed, the outer bag being sealed in such manner to create a "balloon " effect . This double bagged asbestos waste will then be carefully placed inside the lockable steel container.

One container only will be retained on site for the storage of waste asbestos and the maximum quantity of asbestos stored at any one time will always be less than 10 tonnes.

CYN / App H

ENVIRONMENT AGENCY WALES

FACTORS TO CONVERT WASTE VOLUME TO WEIGHT

(Ver. 99/01)

To convert volume to weight carry out the following calculations where necessary:

If measuring volume in cubic metres:

$$\text{Volume (in cubic metres)} \times \text{Conversion Factor} = \text{Weight (in tonnes)}$$

If measuring volume in litres:

$$\text{Volume (in litres)} / 1000 \times \text{Conversion Factor} = \text{Weight (in tonnes)}$$

If measuring volume in cubic feet:

$$\text{Volume (in cubic feet)} \times 0.028 \times \text{Conversion Factor} = \text{Weight (in tonnes)}$$

CATEGORY	TYPE OF WASTE	CONVERSION FACTOR
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	INERT	
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General/mixed	MIXED CATEGORY 21A & 21B WASTE	1.2
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Specific	Rock and stone	1.2
	Sub-soils	1.3
	Glass (cullet)	0.75
	Ceramics	0.3
	Concrete and/or mortar	1.3
	Moulding sands and/or clays	0.4/0.6
	Clay absorbents	1.3
	Other mineral absorbents	1.3
	Man-made mineral fibres (MMMFs) including glass fibre	0.1
	Silica	1.3
	Mica	1.3
	Abrasives	1.3
	Mixed Category 21 wastes	1.2
	Water containing Category 21 materials	1.0

	DEGRADABLE	
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General/mixed	MIXED DEGRADABLE CONSTRUCTION AND DEMOLITION WASTE	1.2
	MIXED DEGRADABLE INDUSTRIAL WASTE	0.3
	MIXED HOUSEHOLD WASTE - NON COMPACTED	0.3
	MIXED HOUSEHOLD WASTE - COMPACTED	0.5
	MIXED COMMERCIAL	0.2
	SEWAGE	1

Specific	Uncontaminated topsoil	1.3
	Uncontaminated peat	0.5
	Uncontaminated silt and dredgings	1.3
	Coal	1.1
	Asphalt, bitumen and coated roadstone	1.2
	Streetworks waste	1.2

Cynheidre Valley Recycling Ltd.

Environmental Risk Assessment.

Hazard	Receptor	Pathway	Risk Management	Exposure Prob.	Consequences	Overall risk
Odour	No odour created at site		VW/WP/1 Para WP/6[020}	Unlikely		V. Low
Noise	Site user & adjacent premises.					
	adjacent premises.	Airborne	VW/WP/1 Para WP/6.030]	Low	Note any complaint	V. Low
Pests	Adjacent premises	air / ground	VW/WP/1 Para WP/6[040}	Unlikely	Note any complaint	V. Low
Spillage - Solid	ground level on site	Non-removed	VW/WP/1 Para WP/6[050]	Low	Visual Env. Damage.	Low
Spillage - Liquid	On site drainage	Impermeable surface run off	VW/WP/1 Para WP/4[151 Para WP/5.[500]	Low	Tank overflow	Low
Fire	Environment	Airborne / Ignition	VW/WP/1 Para WP/4.[153]	Low	Damage / injury	Low
Security /			VW/WP/1			
Vandalism	site operations	damaged fencing /doors	WP/3.320	Low	Equipment damage	Low
Dust	Adjacent Land	Airborne	WP/6[010]	Low	Health / env. Damage	Low
				Cym/RA/1		

