



MANAGEMENT SYSTEM

for the

MATERIALS RECYCLING FACILITY

**GELLIARGWELT FARM, GELLIGAER ROAD, GELLIGAER,
CAERPHILLY**

BRYN RECYCLING LIMITED

Part of the



Document reference: BRL-MS-2021-E – March 2021

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DRAWINGS

BRL-MS-2020-001	Site location plan
BRL-MS-2020-002	Sensitive receptors plan
BRL-MS-2020-003revA	Site layout – main site area
BRL-MS-2020-004revA	Site layout – green waste composting area

APPENDICES

Appendix 1	Permitted wastes
Appendix 2	Table of activities

ISSUE AND REVISION RECORD

Revision	Date	Author	Description
-	01.05.2019	Beth Jones	Initial issue
A	03.06.2020	Beth Jones	Permit variation application dated May 2020
B	29.07.2020	Beth Jones	Amended following NRW information request
C	28.10.2020	Beth Jones	Amended following NRW information request
D	22.02.2021	Beth Jones	General update
E	24.03.2021	Beth Jones	Updated site layout

1 SITE LOCATION

1.1 Site Address

Bryn Recycling Ltd
Gelliargwellt Farm
Gelligaer Hengoed
Mid Glamorgan
Wales
CF82 8FY

1.2 Grid References

OS TILE: ST130961
NGR: ST1296SW
E: 312470
N: 196473

1.3 Description

The site is located east of the A470 which connects Cardiff with Merthyr Tydfil, approximately 20km northwest of Newport. Access to the site is via the site access road off Gelligaer Road. The location of the site is shown on drawing no. BRL-MS-2020-001. The sensitive receptors in the vicinity of the site are shown on drawing no. BRL-MS-2020-002.

2 SITE DESCRIPTION

2.1 Introduction

The facility is located at Gelliargwellt Farm. This site also contains a dairy farm complex and a permitted Anaerobic Digestion facility (AD). The Bryn Site also operates a working sandstone quarry. The present MRF has operated successfully for a number of years.

The facility is operated by Bryn Recycling Ltd.

2.2 Waste Management Operations

- 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.
- R4: Recycling/reclamation of metals and metal compounds.
- R5: Recycling/reclamation of other inorganic materials.

2.3 Permitted Waste

Waste shall only be accepted if it is a type and quantity specified in the Permitted list of wastes, and if it conforms to the description in the documentation supplied by the producer and holder.

See Appendix 1 for full list of accepted wastes.

Any wastes that are not categorised in Appendix 1 (Permitted Wastes) should be considered contrary/non-conforming and dealt with appropriately. There shall only be non-hazardous wastes accepted the WTS site.

Total annual quantities of accepted waste (throughput) will not exceed 150,000 tonnes per annum as specified in the Environmental Permit EPR/TP3695FC.

2.4 Hours of Operation

As specified by Planning Permission APP/K6920/A/19/3240193, detailed in Table 1.

Table 1 **Operational Hours**

	Waste Acceptance	Waste Treatment	Maintenance	CA Sites Only
Monday to Friday	07.00 – 18.00	07.00 – 18.00	As required	07.00 – 18.00
Saturday	07.00 – 13.00	07.00 – 18.00	As required	07.00 – 16.00
Sunday	NIL	As required	As required	07.00 – 16.00
Bank Holidays	NIL	As required	As required	07.00 – 16.00

2.5 Staffing

Bryn Recycling shall ensure that sufficient personnel, who are suitably trained and competent, are present to manage and operate the on-site recycling/treatment activities safely and without causing pollution. Personnel must be fully familiar with the requirements of the Permit as is relevant to their specific duties. Personnel shall have clearly defined roles and responsibilities.

Table 2 **Personnel Available**

Personnel	Number
Management	2
Administration	23
Operators	43
Drivers	5
Other	2
TOTAL	55

2.6 Site Sign/Notice (Identification Board)

In conformance with permitting regulations and the Management System shall display a clear, all-weather, easily readable Site Notice at or near the entrance to the site.

The Site Sign/Notice shall contain the following information:

- Company Name
- Permit Holder's Name
- Emergency Contact Name
- Permit Holder's Telephone Number
- Statement that the site is permitted by Natural Resources Wales (NRW)
- The Permit Number
- NRW National Numbers: 0300 065 3000

The Identification Board shall be inspected at least once per week. In the event of damage or defect, the board shall be repaired or replaced within three working days.

2.7 Site Security

The Bryn site is an entirely fenced and gated property. The owner/operator lives on site. The site employs a night guard based in the MRF weighbridge. There are security cameras around the site including flame detection cameras at key storage areas.

2.8 Equipment/Plant on Site

Plant equipment onsite is fully serviced and maintained to the specifications of the manufacture following IMS09-Maintenance, Calibration & Testing. As part of the Integrated Management System operated by the Bryn Group an asset register of all equipment used on site is kept up to date.

The reader should therefore refer to the IMS-Asset Register, for a comprehensive and up-to-date list of Plant Equipment used by Bryn Recycling.

2.9 Permission

The site has Planning Permission for specific waste management activities and a Bespoke Permit (EPR/TP3695FC), which covers the full scope of activities undertaken by Bryn Recycling.

3 GENERAL MANAGEMENT

3.1 Management

This Management System has been developed to support operations at Bryn Recycling MRF, formally under ownership of Bryn Recycling Ltd.

3.2 Maintenance

Poor maintenance is a common cause of both human harm and environmental incidents. All waste materials entering, being treated, being stored and leaving the facility are non-hazardous materials.

The site recognises the importance of continued diligence when assessing risks to the environment. Therefore:

- i) A Programme of Planned Preventative Maintenance (PPM) to ensure minimal risk to the environment shall take place following IMS09- Maintenance, Calibration & Testing;
- ii) The inspection and maintenance schedules recommended by plant and equipment manufacturers shall be adopted where practicable;
- iii) Preventative maintenance on the Plant and Equipment, Reception Areas, Sorting Areas and Sealed Drainage system shall take place (this includes daily site checks).

Maintenance and Inspection Schedules can be located at the weighbridge office. Inspections shall be carried out by competent personnel using machine defect sheets and site check sheets, where appropriate. Any issues identified shall be reported and addressed following IMS12-Non-Conformance, all non-conformances will be recorded within IMS12-01-Nonconformance Log.

3.2.1 Inspection and maintenance of structures, concrete hardstanding and drainage

The findings of all routine inspections are recorded in the Site Diary.

Structures

All buildings will be visually inspected on a 6-monthly basis. Particular attention will be paid to corners of the buildings or other areas where there is an increased risk of damage due to vehicle movements.

Additional inspections will be carried out following an incident.

Material storage bays & concrete hardstanding

All visible areas of the material storage bays and concrete hardstanding are inspected weekly. A full inspection of empty storage bays will be carried out prior to re-stocking.

Drainage

During and following periods of rainfall all guttering and water pathways will be visually inspected to ensure that water is freely flowing to the gully collection points. The gullies will be inspected to ensure that they are effective.

All drainage will be cleaned as required.

3.3 Incidents and Non-conformances

Continued good environmental performance and Permit compliance are essential for the sustainability of the business. Only non-hazardous wastes shall be brought to the facility, this shall be ensured through contracts of supply. Material shall be inspected upon delivery to ensure it is as described, following IMS15-MRF Operations.

Furthermore, Bryn Recycling shall address any nonconforming batches of input material through the implementation of IMS12-Non-Conformance. Following the procedure all nonconformities which fall under the scope of the IMS shall be recorded, rectified, logged and reviewed within IMS12-01-Nonconformance Log. Root cause analysis shall be undertaken where applicable following IMS14-02 Accident & Incident Investigation and the findings shall be subject to a Management Review, involving Top Level Management as described in IMS13-Management Review.

To further avoid the occurrence of non-conformities, Bryn Recycling shall ensure all Personnel operating plant/equipment shall be fully trained, competent and authorised; similarly any on-site activities shall be carried out only by trained, competent and authorised personnel. Training requirements shall be identified and addressed following IMS04-Competence, Training and Awareness.

Personnel training shall ensure that operators are able to detect abnormal operation, or to utilise equipment that can detect abnormal operation. Operators shall be able to assess the operations and make decisions regarding continuation of operations/activities.

A Complaints Procedure (IMS07-External Communication & Complaints) is in place for assisting the Public with any complaints. Incidents and complaints shall be investigated following IMS14-02-Accident & Incident Investigation. All complaints shall be subject to Management Review following IMS13-Management Review. The outputs of the review shall inform the identification and delivery of appropriate corrective action following IMS12-Non-Conformance. Corrective actions shall be recorded within IMS12-01-Non-Conformance Log.

3.4 Management System Records

Records are an essential facet of the Management System; all records shall be retained in the site office and be readily available for inspection as required.

To ensure this a document control procedure (IMS05-Document & Record Control) has been implemented. Master Copies of documents are stored on the Bryn Share Point and are accessible to all relevant personnel.

A Master List of Records (IMS05-01 Register of Records), is maintained and updated, providing a comprehensive list of all documentation pertaining the Management System. The Register of Records includes details relating to the version, issue date, retention time, storage location and distribution of the documents and records.

3.5 Permit Display

Personnel and Contractors shall have ready access to the information they need to ensure that they act in a way that complies with the conditions of Permit. A full copy of the Permit and the Management System will be kept at the site office and made available to all personnel during working hours.

The availability, quality and relevance of the Permit, Permit Conditions and targeted instructions will be regularly reviewed within the context of a Management Review following IMS13-Management Review.

3.6 Recording of Information Relevant to Permit

A Site Diary shall be maintained, and retained in the site office. It shall record visitors, non-routine activities. The Site Diary is checked periodically by the Permit Holder to ensure its correct use. The Site Diary shall be readily available for inspection.

Additional information of relevance shall be captured and recorded using the channels outlined in Table 3.

Table 3 **Recording of Information**

Recordable Event	Point of Recording
Environmental Problems & Remedial Actions	IMS12-01-Non-Conformance Log
Rejected Wastes	IMS15-MRF Operations
Severe Weather Events	Site Diary
NRW Visits	Site Diary
Plant Breakdowns	IMS09-Maintenance, Calibration & Testing
Maintenance	IMS09-Maintenance, Calibration & Testing
Equipment Inspections	Site Checklist (stored in the weighbridge office)
Construction	Site Diary
Complaints	IMS07-External Communications & Complaints
Dispatch of Records or Data to NRW	IMS07-External Communications & Complaints
Fires	IMS14-02 Accident & Incident Investigation
Injuries	IMS14-02 Accident & Incident Investigation

3.7 Duty of Care

Bryn Recycling shall comply with the Duty of Care Regulations, and maintain Duty of Care Records. All duty of care records shall be stored following IMS05-Document & Record Storage, within the Weighbridge Office.

3.8 Waste Hierarchy

Bryn Recycling shall apply the Waste Hierarchy as required by regulation 12 of the Waste (England and Wales) Regulations 2011. As part of the IMS, Bryn Recycling identifies and reviews compliance obligations at planned intervals. These requirements shall be reviewed as part of the Management Review process following IMS13-Management Review procedures.

4 TECHNICAL COMPETENCE AND TRAINING

4.1 Technical Competence

Jennifer Price and Paul Colley, responsible for the management of the site both hold valid WAMITAB COTC certificates (Table 4). No site operations shall take place unless there is sufficient, trained and competent staff on site.

Table 4 COTC Holders

Name	Qualification
Jennifer Price	WAMITAB COTC
Paul Colley	WAMITAB COTC

4.2 Training

Bryn Recycling shall ensure that all personnel who affect recycling and reclamation procedures, operations and quality are trained, instructed and supervised commensurate with their activity. Bryn Recycling shall establish and maintain training procedures and training records, following IMS04-Competence, Training & Awareness. Training requirements shall be reviewed periodically as part of a Management Review (IMS13-Management Review). Training records are safeguarded against loss or damage following IMS05-Document & Record Storage. In accordance with this procedure training records are stored within the Weighbridge Office.

Staff at Bryn Recycling undergo full induction on commencement of employment, which is accompanied by a full mentoring programme. Bryn Recycling have also developed a portfolio of 50 Toolbox Talks covering site activities and risks which shall be utilised to maintain competencies amongst staff on an ongoing basis.

5 OPERATIONS

5.1 Permitted 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.
- R4: Recycling/reclamation of metals and metal compounds.
- R5: Recycling/reclamation of other inorganic materials.

Refer to Appendix 2 for Activities Table.

5.2 Waste Pre-acceptance, Acceptance and Rejection Procedure

5.2.1 Pre-acceptance

Personnel shall ensure that the site has the required number of qualified staff on site prior to the waste acceptance and rejection procedures.

Personnel shall ensure that the site has capacity to store and treat any incoming waste – maintenance and review of waste input records (also refer to Temporary Storage of Materials).

Personnel shall ensure that the site will not exceed Permit conditions by accepting any incoming wastes (either through storage limits or throughput limits).

Wastes should not be accepted at the installation without a clear method or defined treatment and disposal route with a full costing (also refer to IMS15-MRF Operations).

Table 5 Site Storage Limits

Waste type	Max. storage (tonnes)	Max. stack height (m)	Max. stack volume (m ³)	Maximum storage time (months)
Hardcore/Aggregates	6200	-	-	-
Wood	5500	4	1370	3
Wood chip	1690	4	-	3
Turf and Soil (2*stockpiles – 1st and 2nd quality 1000T each)	2000	4	-	-
Farm plastic (loose)	115	4	-	6
Plastic (baled in bay)	240	4	-	6

Waste type	Max. storage (tonnes)	Max. stack height (m)	Max. stack volume (m ³)	Maximum storage time (months)
Plastic (un-baled in building)	160	4	-	6
Hard plastic (baled in building)	120	4	245	6
PVC (baled in bay)	70	4	-	6
Card and Paper	140	4	-	3
WEEE	200	4	-	-
Carpets and mattresses	140	-	-	6
Oversize compost stockpile + finished product	1850	4	2500	-
General municipal waste	345	-	-	-
Refuse-derived fuel	220	-	-	3
Compost in quarry	5000		400	3
Plasterboard	40		-	-
TOTAL	24,030			

5.2.2 Waste Acceptance and Rejection Procedure

Following IMS15-MRF Operations, all waste shall only enter the site after having weights recorded at the weighbridge. All input wastes shall be inspected and validated. Drivers of all vehicles carrying wastes shall be required to proceed directly to the weighbridge and report to the weighbridge office. All vehicles must produce a Waste Carriers Licence. Any vehicle that cannot produce a Waste Carriers Licence shall not be “weighed in” and they shall be prevented from unloading any wastes on site. In such circumstances the NRW shall be contacted and a note made in the Site Diary.

If the Driver is an authorised carrier, they shall be required to hand in the Waste Transfer Documentation (WTD) identifying the waste being carried. The Weighbridge Operator is required to visually inspect (where practicable) the waste being brought onto the site, and to ensure that it is consistent with the Waste Transfer Documentation (WTD).

If the Weighbridge Operator is concerned that the waste does not coincide with the Waste Transfer Documentation, the operator will carry out a more thorough examination. If, at this stage, the operator is satisfied that the waste is acceptable and complies with the WTD, the driver shall be permitted to proceed through the weighing procedure, and subsequent unloading.

If the Weighbridge Operator is satisfied that the waste is acceptable, but that the description on the WTD does not reflect the true nature of the waste, they shall instruct the driver to amend the Waste Transfer Documentation before permitting the driver to continue through the weighing procedure and subsequent unloading.

If the waste does not conform to the Site Permit the Weighbridge Operator shall reject the waste and complete a Reject Waste Form, which shall be filed in the Site Office. The incident will be recorded in the Site Diary.

After verification and weighing, vehicles shall be directed through the one way system away from the weighbridge for unloading.

As the vehicle is unloaded, operators shall visually inspect the waste during unloading. Should small quantities of non-conforming wastes be identified, they shall be removed and placed into segregated storage for non-conforming/contrary wastes. Should any hazardous material be found within the load, unloading shall halt immediately and the Site Manager or Yard Supervisor contacted immediately. If deemed safe to do so, the hazardous material will be removed appropriately and segregated within the quarantine area, a Waste Reject Form completed.

Should large quantities of non-conforming or hazardous waste be found within a consignment, the Site Manager or Yard Supervisor shall be contacted immediately; the waste shall be isolated and the driver and company shall be contacted immediately and instructed to remove the waste. The NRW shall be contacted and Waste Reject Form shall be completed.

5.3 Storage

Site supervisors manage and monitor stock tonnages on a daily basis by using weighbridge data of incoming waste streams and organise bulk collections of various waste streams as and when enough stock is available for transportation. Waste piles are kept to a minimum level as far as reasonably practicable. Contractors will enter site to remove wastes throughout the working day to ensure waste materials are kept at the minimum level possible.

Waste stacks are segregated by either permanent concrete walls or pre-cast block concrete walls which will act as barriers in the event of a fire by reducing the risk of the fire spreading into other waste storage bays. All bay walls, both internal and external, shall be 1m higher than the maximum height of the waste in the bay and 1m longer than the maximum depth of material in the bay. Colour bands will be painted to show the 1m 'exclusion area' as an easy visual reference for site workers and for routine visual inspection of the stacks.

The maximum length and width of all stacks and the separation distance between the stacks and other structures will be inspected daily. The stack sizes and separation distances will be determined based on Table 2 and Graphs 1 & 2 of GN16. Copies of the graphs are displayed in the MRF and AD weighbridge offices.

The site is inspected daily and the findings recorded on the FPMP Daily Check Sheet included as Appendix 3.

The quantities of each waste type stocked at the site vary based on the season and current market conditions. All waste types received by the site are processed on a 'first in – first out' basis.

5.3.2 Temporary Storage of Materials

The storage locations of the various materials accepted onto the site is illustrated in the site layout plans drawing no BRL-MS-2020-003revA & 004revA.

Temporary storage of permitted wastes to be reclaimed.

All wastes shall be stored and processed on an impermeable surface. Biodegradable wastes to be stored with sealed drainage system. All other wastes to be stored within impermeable surfaced area with surface water drainage to interceptor.

Temporary storage of Sorted and Segregated (treated) Wastes.

Storage of sorted and segregated material will be into individual bays (wood waste, green waste, non-ferrous metals, ferrous metals, plastics, glass, and such like). Clean aggregate material will be stored in the designated area, as indicated on the site layout plan.

Temporary storage of Residual Wastes.

Storage of residual wastes shall be located on the impermeable bunded area of the site as indicated on the site layout plan.

Temporary storage of Non-conforming Wastes.

Non-conforming waste shall be stored within the designated quarantine area of the site and shall be dealt with following IMS12-Non-Conformance.

No waste shall be stored on site prior to processing for longer than 48 hours.

5.3.3 Storage of Potentially Flammable Materials

The storage of all materials on site, especially any potentially flammable materials shall be in line with the Fire Prevention and Mitigation Plan (FPMP).

All storage shall ensure sufficient ingress and manoeuvrability space for FRS vehicles (Water Tender and High Reach). Minimum road width and gateway access shall be at least 3.7m, with 4m height clearance. This shall ensure sufficient access.

5.3.4 Quarantine Area

The Quarantine Area indicated on the site layout plan is established to segregate contrary input wastes from normal operations on site and to prevent cross-contamination. This area of the site shall be carefully monitored and controlled by the Site Supervisor. The Quarantine Area is set aside for bulk materials, such as aggregates and soils, which have not been immediately rejected during the Waste Acceptance and Rejection Procedure.

5.3.5 Emergency Storage

In the unlikely event that Emergency Storage is required certain areas of the site have been designated suitable for certain waste types. The locations are indicated on the site layout plan.

All Emergency Storage is located on impermeable surfacing.

5.4 Waste Transfer Processes

5.4.1 Reception of Waste (input materials)

As detailed within IMS15-MRF Operations input materials must be permitted waste streams, the materials shall also be suitable for pre-treatment. Each load of input material shall be

inspected for suitable type and quality. Each delivery of input material shall be visually inspected at a location where there is no risk that the delivery will cross-contaminate any other input materials accepted for treatment, materials undergoing treatment or fully treated materials in storage.

5.4.2 *Inspecting for Contaminants/Removal of Contaminants*

Following IMS15-MRF Operations the input material has been approved and accepted for pre-treatment, the input material must be inspected for identification and removal of minor contaminants.

- i) No activities shall take place unless personnel are trained and authorised to do so.
- ii) No activities shall take place unless personnel are familiar with the on-site Risk Assessment and Environmental Risk Assessment Documents.
- iii) All personnel shall use PPE (Personal Protection Equipment) where appropriate or directed to do so.
- iv) No activities shall take place unless weather conditions are suitable.
- v) Personnel should carry out a brief visual inspection. Depending on load size inspection shall be carried out by hand or by mechanical bucket.
- vi) Any contaminants identified shall be removed and segregated to appropriate storage for onward disposal.
- vii) If, on inspection, significant contamination discovered, processing shall halt and Site Manager or Yard Supervisor informed. Where necessary, the load shall be removed to secure storage and signed appropriately. Site personnel will remove material to Fleet and Waste Management within 7 days of arrival on site.
- viii) No Accepted Waste shall be stored for longer than 48 hours before processing.
- ix) Any incidence of significant contamination should be recorded in the site diary.

5.4.3 *Pre-treatment*

After Reception, Identification and Validation, feedstock processing begins with pre-treatment following IMS15-MRF Operations. This involves sorting and segregating:

- i) No activities shall take place unless personnel are trained and authorised to do so.
- ii) No activities shall take place unless personnel are familiar with the on-site Risk Assessment and Environmental Risk Assessment Documents.
- iii) All personnel shall use PPE (Personal Protection Equipment) where appropriate or directed to do so.
- iv) The material should also be screened for contaminants and contrary wastes.
- v) Co-mingled inert wastes shall be tipped in the southern area of the yard where they shall be sorted, where necessary using mechanical grabs.
- vi) Only Accepted waste that has been inspected shall be considered suitable for pre-treatment.

5.4.4 Treatment

Treatment of waste material on site is presently limited to:

- Sorting
- Segregation
- Shredding
- Bulking
- Baling
- Drying
- Composting

5.4.5 Sorting and Segregation (Overview)

- i) No activities shall take place unless personnel are trained and authorised to do so.
- ii) No activities shall take place unless personnel are familiar with the on-site Risk Assessment and Environmental Risk Assessment Documents.
- iii) All personnel shall use PPE (Personal protection Equipment) where appropriate or directed to do so.
- iv) Only Accepted waste that has been inspected shall be considered suitable for sorting and segregation.
- v) Sorting and segregation shall take place using manual picking lines. A manual sort shall take place in the waste reception area, allowing material to be segregated into the correct hoppers. Fine materials shall be stored in the bays coloured Pink on the site layout plans and the larger material shall be sorted into the bays coloured green on the site layout plan.
- vi) Waste streams shall be sorted and transferred by lifting vehicle to correctly labelled containers or to designated storage zones/bays, indicated on the site layout plan.
- vii) Lead Batteries and other accumulators shall be removed to the relevant storage containers within the WEEE processing area.
- viii) Contrary wastes shall be removed to the relevant storage containers or the Quarantine area.
- ix) All wastes shall be sorted and segregated, where possible, on the day of arrival to site.

5.4.6 Aggregates

- i) No activities shall take place unless personnel are trained and authorised to do so.
- ii) No activities shall take place unless personnel are familiar with the on-site Risk Assessment and Environmental Risk Assessment Documents.
- iii) All personnel shall use PPE (Personal protection Equipment) where appropriate or directed to do so.
- iv) Only Accepted waste that has been inspected shall be considered suitable for sorting and segregation.
- v) Input waste consisting entirely or nearly entirely of soil shall not be considered suitable for re-use within aggregates protocols.

5.4.7 *Plastics*

- i) No activities shall take place unless personnel are trained and authorised to do so.
- ii) No activities shall take place unless personnel are familiar with the on-site Risk Assessment and Environmental Risk Assessment Documents.
- iii) All personnel shall use PPE (Personal Protection Equipment) where appropriate or directed to do so.
- iv) Personnel shall separate plastics into LDPE and HDPE by inputting the materials into the picking station hopper. Personnel shall separate contaminated plastics for further treatment.
- v) Certain plastics shall be transferred to the baling area. Bales of plastic shall be transferred to storage prior to removal from site.

5.4.8 *Metals*

- i) No activities shall take place unless personnel are trained and authorised to do so.
- ii) No activities shall take place unless personnel are familiar with the on-site Risk Assessment and Environmental Risk Assessment Documents.
- iii) All personnel shall use PPE (Personal Protection Equipment) where appropriate or directed to do so.
- iv) Personnel shall separate metals into ferrous and non-ferrous by hand or by using the mechanical grabs on site. Personnel shall separate 'dirty' metals (metals contaminated with plastics or paints, etc.) for further treatment.
- v) Metals shall also be separated by hand through the Picking Station.

5.4.9 *Plasterboard*

- i) No activities shall take place unless personnel are trained and authorised to do so.
- ii) No activities shall take place unless personnel are familiar with the on-site Risk Assessment and Environmental Risk Assessment Documents.
- iii) All personnel shall use PPE (Personal protection Equipment) where appropriate or directed to do so.
- iv) Handling and processing of plasterboard shall take place within the indoor waste reception area where there is a sealed drainage system. Plasterboard shall not be processed in any other area.

5.4.10 *Wood*

- i) No activities shall take place unless personnel are trained and authorised to do so.
- ii) No activities shall take place unless personnel are familiar with the on-site Risk Assessment and Environmental Risk Assessment Documents.
- iii) All personnel shall use PPE (Personal Protection Equipment) where appropriate or directed to do so.

- iv) Personnel shall separate comingled waste by hand or by mechanical grab, transferring suitable wood waste to the wood waste storage area.
- v) Wood waste shall also be separated by hand picking and sorting via the Picking Station.
- vi) Wood wastes shall be bulked prior to shredding.
- vii) Shredded wood chip shall be stored appropriately following the recommendations of Fire Risk Assessment.

5.4.11 *Waste Electrical and Electronic Equipment (WEEE)*

- i) No activities shall take place unless personnel are trained and authorised to do so.
- ii) No activities shall take place unless personnel are familiar with the on-site Risk Assessment and Environmental Risk Assessment Documents.
- iii) All personnel shall use PPE (Personal Protection Equipment) where appropriate or directed to do so.
- iv) Staff shall ensure that all WEEE is meets the permit acceptance criteria, before transferring the waste to the specific area designated for WEEE storage.
- v) WEEE may be sorted and transferred by hand or by mechanical grab where appropriate.
- vi) WEEE may also be separated by hand via the Picking Station.
- vii) WEEE shall be bulked for further treatment off-site.
- viii) WEEE shall be stored securely whilst on site.

5.4.12 *Paper and Card*

- i) No activities shall take place unless personnel are trained and authorised to do so.
- ii) No activities shall take place unless personnel are familiar with the on-site Risk Assessment and Environmental Risk Assessment Documents.
- iii) All personnel shall use PPE (Personal Protection Equipment) where appropriate or directed to do so.
- iv) Personnel shall separate paper and card by hand or by mechanical grab and transfer to specific storage bays/zones.
- v) Paper and card wastes are bulked prior to transfer.

5.4.13 *Turf and Soil*

- i) No activities shall take place unless personnel are trained and authorised to do so.
- ii) No activities shall take place unless personnel are familiar with the on-site Risk Assessment and Environmental Risk Assessment Documents.
- iii) All personnel shall use PPE (Personal Protection Equipment) where appropriate or directed to do so.
- iv) Input turf and soil shall, after meeting the acceptance criteria, be transferred to the specific storage bay as indicated on the site layout plan.

5.4.14 *Mixed Municipal Waste*

- i) No activities shall take place unless personnel are trained and authorised to do so.
- ii) No activities shall take place unless personnel are familiar with the on-site Risk Assessment and Environmental Risk Assessment Documents.
- iii) All personnel shall use PPE (Personal Protection Equipment) where appropriate or directed to do so.
- iv) Waste shall be stored within the dedicated storage facility only and immediately following receipt.
- v) Mixed municipal waste shall be stored for no longer than 48hrs following receipt prior to transfer.

5.4.15 *Refuse-Derived Fuel*

- i) No activities shall take place unless personnel are trained and authorised to do so.
- ii) No activities shall take place unless personnel are familiar with the on-site Risk Assessment and Environmental Risk Assessment Documents.
- iii) All personnel shall use PPE (Personal Protection Equipment) where appropriate or directed to do so.
- iv) Waste shall be stored within the dedicated storage facility only and at the end of each day following generation from within the recycling hall.

5.4.16 *Composting*

- i) No activities shall take place unless personnel are trained and authorised to do so.
- ii) No activities shall take place unless personnel are familiar with the on-site Risk Assessment and Environmental Risk Assessment Documents.
- iii) All personnel shall use PPE (Personal Protection Equipment) where appropriate or directed to do so.
- iv) Compostable material shall, after meeting the acceptance criteria, be transferred to the green waste composting area in the quarry as indicated on the site layout plan.
- v) Composting activities will be carried out in accordance with the requirements of PAS100 Quality Protocol.
- vi) Oversize compost will be re-screened to remove plastic/other contaminants.
 - Contaminants will be disposed at a suitably permitted facility,
 - the large fraction will be re-shredded and restart the composting process,
 - the small fraction will be tested by washing samples of the compost and visually inspecting the compost for plastic/other contaminants. Should plastic/other contaminants be found then the material will be disposed of at a suitably permitted facility. If no contamination is found then the compost will be treated and tested as per the requirements of PAS100.

5.4.17 Biomass boiler operation

- i) No activities shall take place unless personnel are trained and authorised to do so.
- ii) No activities shall take place unless personnel are familiar with the on-site Risk Assessment and Environmental Risk Assessment Documents.
- iii) All personnel shall use PPE (Personal Protection Equipment) where appropriate or directed to do so.
- iv) The biomass boilers shall be operated in accordance with the Manufacturers recommendations,
- v) All residual material produced by the combustion process shall be analysed and where possible recycled as part of the operations at the facility or disposed at a suitable permitted facility.

6 EMISSIONS AND MONITORING

6.1 Emissions to Air, Water and Land

There shall be no point source emissions to air, water or land, except those from the sources and emissions points listed below.

6.2 Emissions of Substances not Controlled by Emissions Limits

Emissions of substances not controlled by emission limits (excluding odour) shall not cause pollution. The operator shall not be taken to have breached this rule if appropriate measures, including, but not limited to, those specified in Table 6 below and in any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.

Table 6 Summary of Appropriate Measures for Emissions not controlled by Emissions Limits

Measures
<ol style="list-style-type: none">1. Unless stored or treated outside as specified waste:<ol style="list-style-type: none">i) all bulking, transfer or treatment of waste shall be carried out inside a building;ii) all waste shall be stored in a building or within a secure container;iii) all waste shall be stored and treated on an impermeable surface with sealed drainage system.2. Specified waste shall be stored and treated on hard standing or on an impermeable surface with sealed drainage system.3. All surface water runoff from areas of hardstanding not used to store specified waste is directed to interceptors before being discharged to soakaways. The interceptors are maintained and inspected in accordance with manufacturers recommendations.4. Surface water runoff collected in the green waste composting area lagoon will be pumped to the cattle slurry storage system which feed to the AD facility. The lagoon will be inspected regularly for accidental damage and maintained in accordance with the manufacturer's recommendations.

6.3 Fugitive Emissions

6.3.1 Dust

- i) Any vehicle leaving the site will be checked to ensure that they are clear of loose material and that waste is secure.
- ii) Measures will be implemented and maintained throughout the operational life of the site to control and monitor emissions of dust and fibres from the site.
- iii) Segregation and sorting of wastes shall be carefully monitored and managed.

6.3.2 Mud and Debris

- i) The entire working area is surfaced by impermeable concrete or hard-standing. All waste processes take place on impermeable surfacing with sealed drainage.
- ii) Any vehicle leaving the site will be checked to ensure that they are clear of loose material and that waste is secure.
- iii) Where necessary, vehicles will be cleaned before leaving site.
- iv) In the event that mud or debris is deposited onto public areas, by action or inaction, that material will be cleaned as soon as practicable and cause of mud/debris escape investigated and remediated.

6.3.3 Litter

- i) Waste accepted on site has been pre-segregated at source reducing the risk of contamination from litter.
- ii) Litter is expected within incoming waste, but where present it will be immediately removed to sealed refuse containers, prior to disposal, if it cannot be reclaimed.
- iii) Litter picks shall take place no less than weekly and shall be documented on the site checklist. However, litter picks will also take place as require.
- iv) Ensure personnel are provided sufficient PPE and equipment when litter picking.
- v) Litter checks will be increased during periods of high winds to prevent egress and ingress of litter from/to the site.

6.3.4 Pests

- i) Accepted waste stream may attract pests (including scavenging mammals and birds, rats and flies/insects).
- ii) Regular/Daily inspections by nominated personnel.
- iii) All wastes shall be stored and processed on an impermeable surface with a sealed drainage system. Wastes shall be stored and treated following Permit guidance. Wastes shall be treated as rapidly as possible.
- iv) No wastes likely to attract pests shall not be left overnight without being treated or correctly stored.
- v) Any significant infestations will be noted in the site diary, and where necessary professional Pest and Environmental Services will be used to control any identified problems.

6.3.5 Fires

All activities will be carried out in accordance with the requirements of the Fire Prevention and Mitigation Plan.

The Fire Risk Assessment shall be subject to review as part of the sites IMS Management Review processes. Should a fire occur an investigation shall be held following IMS14-02-Accident & Incident Investigation. Where appropriate IMS12-Non-Conformance shall be

followed to deliver corrective actions. Any corrective actions shall be recorded within IMS12-01-Nonconformance Log. The effectiveness of the emergency response shall be subject to review following IMS13-Management Review.

6.3.6 Spillages

- i) Following IMS04-Competence Training & Awareness, all relevant personnel have received training on how to address potentially hazardous spills on site.
- ii) Bryn Recycling maintains all relevant COSHH Material Safety Data Sheets for all chemicals, oils, fuels etc., used on the site. Appropriate risk assessments have been undertaken for the handling of such material. Personnel dealing with spills shall refer to COSHH management system to ensure appropriate PPE is worn and that the spillage is contained, stored and disposed of appropriately. The COSHH system shall be reviewed as part of Bryn Recycling's IMS Management Review processes and the documentation shall be maintained following IMS05-Document Storage.
- iii) All significant spills shall be investigated and the findings documented following IMS14-02-Accident & Incident Investigation.
- iv) All fuel storage tanks are double bunded to reduce the risk on leaks or spills, furthermore spill kits are located throughout the site as detailed on the site layout plan.
- v) All vehicles, plant and equipment used on site will be operated and maintained with the objective preventing environmentally harmful leaks and spills. Maintenance shall be recorded within the site Maintenance Log, following IMS09-Maintenance Calibration & Testing.
- vi) Any liquid contrary wastes will be immediately isolated and made ready for further disposal. Incidence of liquid contrary wastes will be investigated following IMS14-02-Accident & Incident Investigation. Where appropriate IMS12-Non-Conformance shall be followed to deliver corrective actions. Any corrective actions shall be recorded within IMS12-01-Nonconformance Log.

6.4 Odour

Emissions from the activities shall be free from odour levels likely to cause pollution outside the site.

- i) All activities taking place at Bryn Recycling will be monitored for unusual odour release.
- ii) All incoming wastes will be thoroughly checked for the presence of odorous contraries.
- iii) Any odorous contraries will be immediately segregated and contained, ready for further disposal.
- iv) Staff shall be made aware of odour control measures as specified in the Odour Management Plan through IMS04-Competence, Training & Awareness
- v) Odour complaints shall be investigated following IMS14-02 Accident & Incident Investigation and shall be reported to NRW as stated in the Odour Management Plan.
- vi) Periodically odour abatement measures will be reviewed. This shall be determined through periodic Management Reviews (IMS13-Management Review). IMS12-Non-Conformance shall be implemented to address any short comings in current management

controls. Any corrective actions shall be recorded within IMS12-01- Non-conformance Log.

- vii) Also refer: IMS04-02-Odour Management Plan.

6.5 Increased water level in the composting operations lagoon in the quarry

- i) The water level in the lagoon will be monitored weekly and maintained with the objective of preventing environmentally harmful overflow from the lagoon. Observations shall be recorded on the site checklist. Observations will increase in periods of heavy rain.
- ii) In the event that the water level rises above the yellow marker on the sides of the lagoon the frequency of monitoring will be increased to interval deemed appropriate by the Site Manager (COTC holder) and preparations will be made following IMS14-Emergency Response, to pump the excess water from the lagoon until the green marker is exposed.
- iii) In the event that the water level rises above the red marker on the side of the lagoon, excess water will be pumped from the lagoon to the level of the green marker. The excess water will be either:
 - Pumped to the AD facility;
 - Pumped to the cattle slurry lagoons which feed to the AD facility;
 - Disposed over agricultural land; or;
 - Disposed off-site in a suitably permitted facility.
- iv) Staff shall be made aware of drainage control measures through IMS04-Competence, Training & Awareness
- v) Periodically drainage control measures will be reviewed. This shall be determined through periodic Management Reviews (IMS13-Management Review). IMS12-Non-Conformance shall be implemented to address any short comings in current management controls. Any corrective actions shall be recorded within IMS12-01-Non- conformance Log.

6.6 Noise and Vibration

Emissions from the activities shall be free from noise and vibration levels likely to cause pollution outside of the site.

- i) For much of the operating hours the Bryn Recycling site will be relatively quiet, however there will be intermittent occurrences of noise when waste arrives to site, when pre-treatment takes place, and when materials leaves site.
- ii) All vehicles, equipment and plant will be maintained with a clear intention to control noise and vibration levels.
- iii) No treatment activities will take place outside permitted working hours (no evenings or weekends – except for maintenance).
- iv) All vehicles, equipment and plant will be switched off when not in use.
- v) There will be regular, documented noise monitoring for susceptible plant and equipment.
- vi) Staff shall be made aware of control measures through IMS04-Competence, Training & Awareness

- vii) Where appropriate, abatement measures will be introduced. This shall be determined through periodic Management Reviews (IMS13-Management Review). IMS12-Non-Conformance shall be implemented to address any short comings in current management controls. Any corrective actions shall be recorded within IMS12-01-Nonconformance Log.
- viii) Also refer: Noise and Vibration Management Plan (Reference Document: BQMRF05).

6.7 Bioaerosols

Control of bioaerosol emissions are of key importance to operations.

- i) All activities taking place at Bryn Recycling will be monitored for unusual bioaerosol release. Monitoring shall follow the requirements of the environmental permit.
- ii) All incoming wastes will be thoroughly checked for the presence of likely contraries.
- iii) Any contraries will be immediately segregated and contained, ready for further disposal.
- iv) All staff will be trained following IMS04-Competence, Training & Awareness, in the careful management of input materials and compost materials to reduce likelihood of bioaerosol release.
- v) The effectiveness of bioaerosol abatement measures shall be determined through periodic Management Reviews (IMS13-Management Review). Where appropriate IMS12-Non-Conformance shall be implemented to address any short comings, corrective actions shall be recorded within IMS12-01-Nonconformance Log.
- vi) Refer to: Bioaerosols Management Plan (BQMRF13).

6.8 Monitoring

Bryn Recycling shall implement IMS09-Maintenance, Calibration & Testing, where applicable and undertake monitoring as show in Table 7. Bryn Recycling shall maintain records of all the monitoring required, including analysis of samples, instrument measurements, calibrations, examinations, tests and surveys and any assessments or evaluations made based on data following IMS05-Documents & Record Control.

7 RECORDING AND REPORTING

7.1 Records

All records will be made as soon as reasonably practicable and retained securely for as long as legally required, where no there is no legal obligation to store a record, it shall be retained for a minimum of two years, following IMS05-Documents & Record Control. Records will be clear, legible and available for viewing (on site). Records are kept of all incoming wastes, and all outgoing compost, compost-like material and residuals. The details of all current records shall be recorded within IMS05-01-Register of Records.

7.1.1 Waste Records

Records of all waste entering and the leaving the site shall be recorded and store in accordance with IMS05-Documents & Record Control.

7.1.2 Summary

The following records will be retained, their storage locations shall be detailed within the Master List of Documents IMS05-01-Register of Records:

- Waste Carriers Licences (where appropriate)
- Weighbridge Tickets/Documents* – incoming wastes
- Bioaerosols monitoring
- Weighbridge Tickets/Documents* – outgoing wastes (including residual wastes)
- Destination of outgoing wastes (including market sector)
- Destination of outgoing compost like material
- Reject Waste Forms
- Environment Agency Inspection Report
- Design, construction, inspection, maintenance and monitoring of pollution prevention methods
- Failure records for pollution prevention methods
- Off-site environmental effects
- Batch Formation Data (start and finish dates, activities carried out
- Composting Batch Conditions (Batch Record Sheet)
- Records of sampling
- Records of corrective actions taken during composting processes
- Type of input material, whether the load is rejected or accepted, and if rejected the reason why
- Maturation Start and Finish date
- Product Preparation Information
- Duty of Care Records
- Quarterly Waste Returns

*should include Date and Time

7.2 Reporting and Notification

Site personnel will notify NRW “without delay” following the detection of:

- i) Any malfunction, breakdown or failure of equipment or techniques, accident, or fugitive emission which has caused, is causing or may cause significant pollution.
- ii) The breach of a limit specified in the Permit.
- iii) Any significant adverse environmental and health effects.
- iv) Odour complaints.

Site personnel will notify NRW within 24 hours:

- i) Of actual or potential incidents and breaches of emissions limits.

Site personnel will notify NRW within 14 days:

- i) Where NRW has requested in writing that it shall be notified when Bryn Recycling is to undertake monitoring and/or spot sampling.
- ii) Of any change in the operator’s trading name, registered names or registered offices addresses.

During normal working hours site personnel will contact the Site Officer or the local NRW Office by telephone. The NRW Incident Hotline number is: 0800 80 70 60.

7.3 Site Waste Returns

Quarterly returns will be submitted in line with NRW regulations.

7.4 Non-Site Operations

Should site activities halt for 14 consecutive days, NRW shall be notified in writing.

7.5 Complaints Procedure

Bryn Recycling shall decide and implement any necessary action in response to any complaints or concerns expressed by interested parties, including operatives, customers, clients and regulatory authorities about quality or suitability of materials accepted and transferred. All complaints shall be logged, reviewed and addressed following IMS07-External Communications & Complaints. Any odour complaints received shall be investigated through IMS14-02-Accident & Investigation. Where appropriate IMS12-Non-Conformance shall be implemented to address any actions required, corrective actions shall be recorded within IMS12-01-Nonconformance Log.

8 ACCIDENT MANAGEMENT PLAN

Refer to Accident Management Plan (Reference Document: BRL-AMP-2020) for response to identified potential incidents.

Following all accidents an investigation shall be undertaken following IMS14-02-Accident & Incident Investigation. The Incident Reports produced shall be reviewed by Top Level Management in the context of a Management Review Meeting following IMS13-Management Review. Where appropriate IMS12-Non-Conformance shall be implemented to address any short comings, corrective actions shall be recorded within IMS12-01-Nonconformance Log.

8.1 Review

The Accident Management Plan will be reviewed at least every four years, or as soon as practicable after an accident (whichever is earlier). Appropriate changes will be made to the Accident Management Plan after review following IMS13- Management Review.

DRAWINGS

197500N

197000N

196500N

196000N

312000E

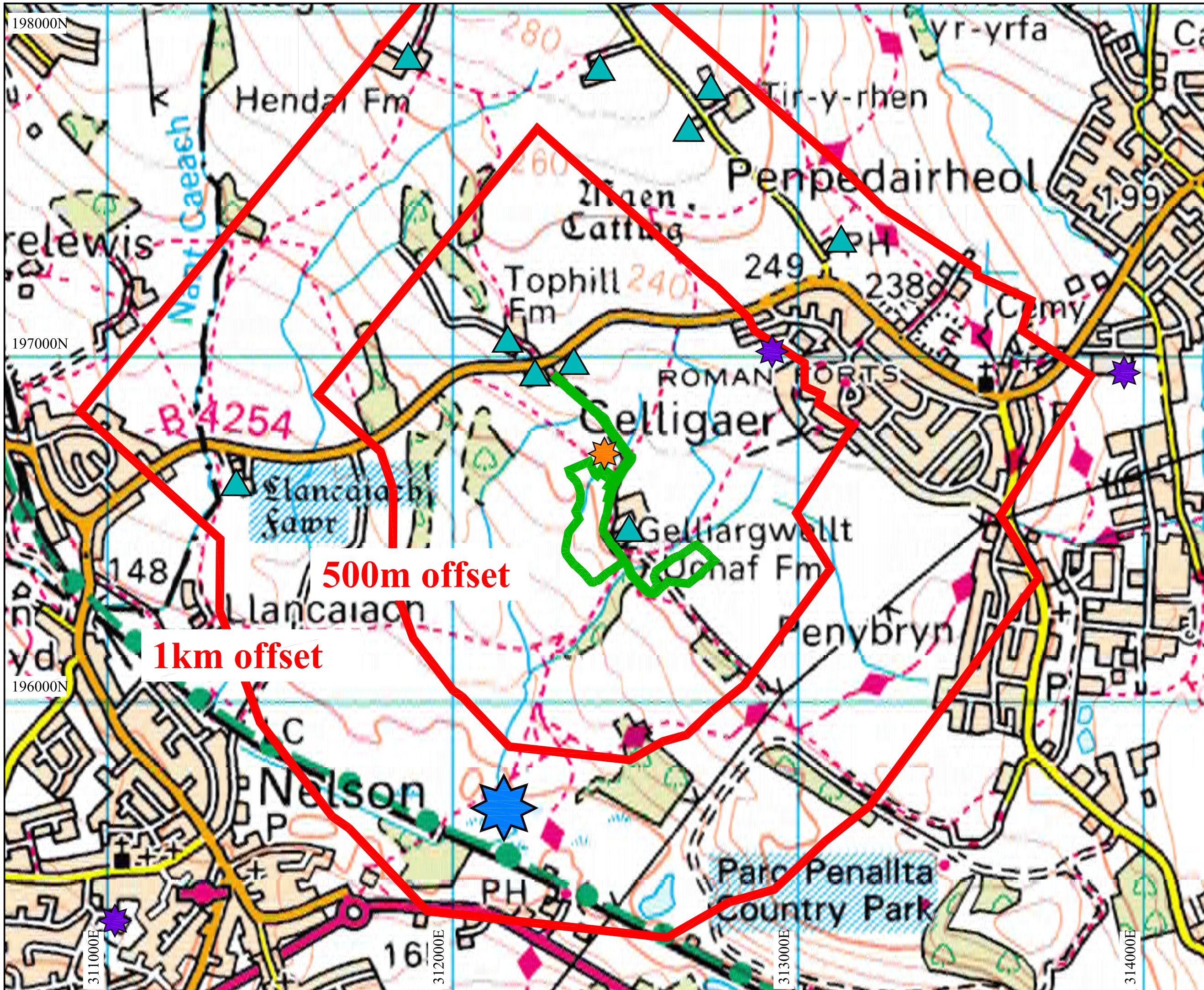
312500E



KEY:

Site boundary

B	24.03.21	Site boundary updated
A	27.05.20	Site boundary updated
REV\N	DATE	AMENDMENT
J P C E Limited		
CLIENT		JOHN PERKINS CONSULTING ENGINEER Bronhaul, Abernant Road Aberdare CF44 0PY Tel 07889 644649 e-mail jpce@hotmail.co.uk
DRAWING TITLE & SCHEME		
MATERIALS RECYCLING FACILITY MANAGEMENT SYSTEM		
Site location plan		
Drawing Number BRL-MS-2020-001revB		Drawn By : B M JONES
Date : MAY 2020	Scale 1:2,500 @ A3	Checked : J R PERKINS



KEY:

- Site boundary
- Residential areas
- Individual dwellings
- Surface water features
- Nelson Bog SSSI
- Schools
- Recreational route
- Footpaths
- Other route with public access
- Classified public highway
- Unclassified public highway
- AD facility gas storage

REV'	DATE	AMENDMENT

J P C E Limited

CLIENT	CONSULTING ENGINEER
BRYN RECYCLING Ltd GELLIARGWELLT FARM GELLIGAER ROAD GELLIGAER CAERPHILLY CF82 8PY	JOHN PERKINS CONSULTING ENGINEER Bronhaul, Abernant Road Aberdare CF44 0PY Tel 07889 644649 e-mail jpce@hotmail.co.uk

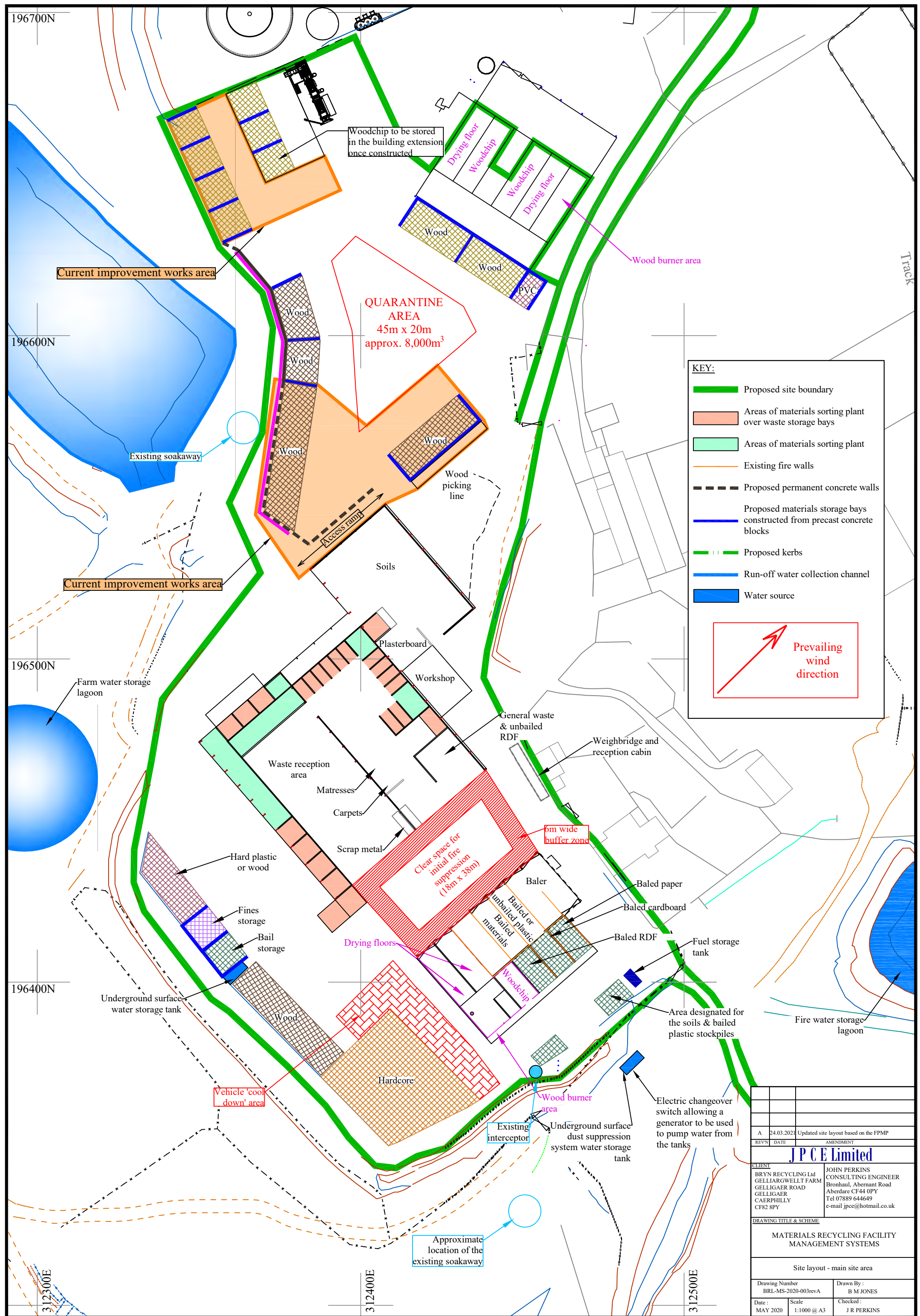
DRAWING TITLE & SCHEME

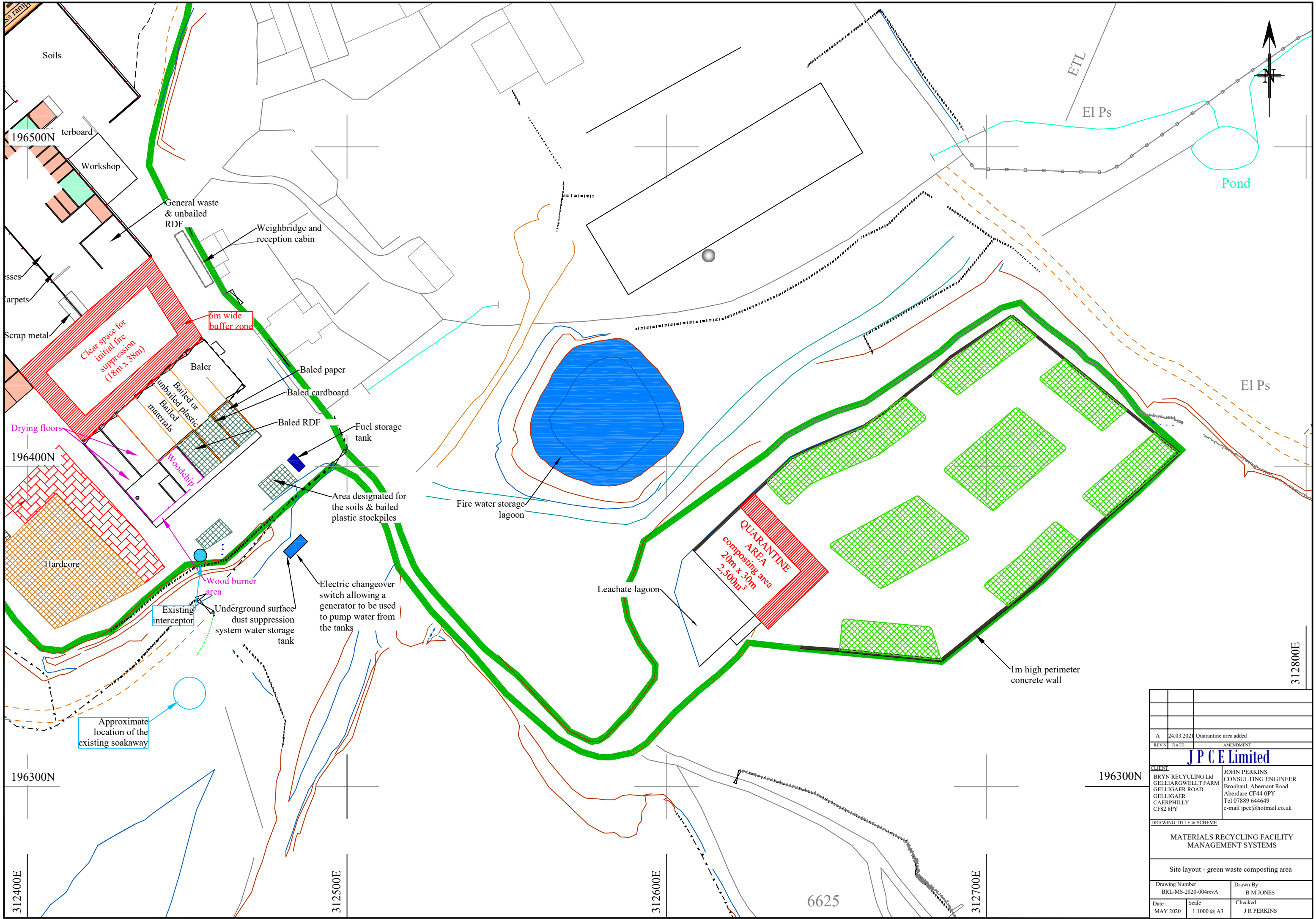
**MATERIALS RECYCLING FACILITY
MANAGEMENT SYSTEM**

Sensitive receptors plan

Drawing Number	Drawn By :
BRL-MS-2020-002	B M JONES

Date :	Scale	Checked :
MAY 2020	1:10,000/A3	J PERKINS





A	24.03.2021	Quarantine area added
REVN	DATE	AMENDMENT
J P C E Limited		
CLIENT		JOHN PERKINS
BRYN RECYCLING Ltd		CONSULTING ENGINEER
GELLIARGWELLT FARM		Bronhau, Abernant Road
GELLIGAER ROAD		Aberdare CF44 0PY
GELLIGAER		Tel 07889 644649
CAERPHILLY		e-mail jpce@hotmail.co.uk
CF82 8PY		
DRAWING TITLE & SCHEME		
MATERIALS RECYCLING FACILITY		
MANAGEMENT SYSTEMS		
Site layout - green waste composting area		
Drawing Number BRL-MS-2020-004revA		Drawn By : B M JONES
Date : MAY 2020	Scale 1:1000 @ A3	Checked : J R PERKINS

APPENDIX 1

PERMITTED WASTES

Waste Code	Description
01	WASTES RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS
01 01	Wastes from mineral excavation.
01 01 01	Wastes from mineral metalliferous excavation.
01 01 02	Wastes from mineral non-metalliferous excavation.
01 03	Wastes from physical and chemical processing of metalliferous minerals.
01 03 06	Tailings other than those mentioned in 01 03 04 and 01 03 05.
01 03 09	Red mud from alumina production other than the wastes mentioned in 01 03 07.
01 04	Wastes from physical and chemical processing of non-metalliferous minerals.
01 04 08	Waste gravel and crushed rocks other than those mentioned in 01 04 07.
01 04 09	Waste sand and clays.
01 04 11	Wastes from potash and rock salt processing other than those mentioned in 01 04 07.
01 04 12	Tailings and other wastes from washing and cleaning of minerals other than those mentioned in 01 04 07 and 01 04 11.
01 04 13	Wastes from stone cutting and sawing other than those mentioned in 01 04 07.
02	WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING
02 01	Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing.
02 01 03	Plant-tissue waste.
02 01 04	Waste plastic (except packaging).
02 01 06	Animal faeces, urine and manure (including spoiled straw), effluent, collected separately and treated off-site
02 01 07	Wastes from forestry (comprising wood and plant tissue).
02 01 10	Waste metal.
02 03	Wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea, tobacco preparation and processing; conserve production; yeast and yeast extract production – molasses preparation and fermentation
02 03 04	Materials unsuitable for consumption or processing
02 04	Wastes from sugar processing.
02 04 01	Soil from cleaning and washing beet.

Waste Code	Description
02 07	Wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa)
02 07 01	Wastes from washing, cleaning and mechanical reduction of raw materials
02 07 02	Wastes from spirits distillation
02 07 04	Materials unsuitable for consumption or processing
03	WASTES FROM WOOD PROCESSING AND THE PRODUCTION OF PANELS AND FURNITURE, PULP, PAPER and CARDBOARD
03 01	Wastes from wood processing and the production of panels and furniture.
03 01 01	Waste bark and cork.
03 01 05	Sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in 03 01 04.
03 03	Wastes from pulp, paper and cardboard production and processing.
03 03 01	Waste bark and wood.
03 03 07	Mechanically separated rejects from pulping of waste paper and cardboard.
03 03 08	Wastes from sorting of paper and cardboard destined for recycling.
03 03 10	Fibre rejects, fibre, filler and coating-sludges from mechanical separation
04	WASTES FROM THE LEATHER, FUR AND TEXTILE INDUSTRIES
04 02	Wastes from the textile industry.
04 02 21	Wastes from unprocessed textile fibres.
04 02 22	Wastes from processed textile fibres.
07	WASTES FROM ORGANIC CHEMICAL PROCESSES
07 02	Wastes from the MFSU of plastics, synthetic rubber and man-made fibres.
07 02 13	Waste plastic.
10	WASTES FROM THERMAL PROCESSES
10 11	Wastes from manufacture of glass and glass products.
10 11 03	Waste glass-based fibrous materials.
10 11 12	Waste glass other than those mentioned in 10 11 11.
10 12	Wastes from manufacture of ceramic goods, bricks, tiles and construction products.
10 12 08	Waste ceramics, bricks, tiles and construction products (after thermal processing).
10 13	Wastes from manufacture of cement, lime and plaster and articles and products made from them.
10 13 14	Waste concrete.

Waste Code	Description
12	WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS
12 01	Wastes from shaping and physical and mechanical surface treatment of metals and plastics.
12 01 01	Ferrous metal filings and turnings.
12 01 03	Non-ferrous metal filings and turnings.
12 01 05	Plastics shavings and turnings.
12 01 13	Welding wastes.
12 01 17	Waste blasting material other than those mentioned in 12 01 16.
12 01 21	Spent grinding bodies and grinding materials other than those mentioned in 12 01 20.
15	WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
15 01	Packaging (including separately collected municipal packaging waste).
15 01 01	Paper and cardboard packaging.
15 01 02	Plastic packaging.
15 01 03	Wooden packaging.
15 01 04	Metallic packaging.
15 01 05	Composite packaging.
15 01 06	Mixed packaging.
15 01 07	Glass packaging.
15 01 09	Textile packaging.
15 02	Absorbents, filter materials, wiping cloths and protective clothing.
15 02 03	Absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02.
16	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
16 01	End-of-life vehicles from different means of transport [including off-road machinery] and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13,14, 16 06 and 16 08).
16 01 03	End-of-life tyres.
16 02	Wastes from electrical and electronic equipment.
16 02 14	Discarded equipment other than those mentioned in 16 02 09 to 16 02 13.
16 02 16	Components removed from discarded equipment other than those mentioned in 16 02 15.

Waste Code	Description
16 03	Off-specification batches and unused products.
16 03 04	Inorganic wastes other than those mentioned in 16 03 03.
16 03 06	Organic wastes other than those mentioned in 16 03 05.
16 06	Batteries and accumulators.
16 06 04	Alkaline batteries (except 16 06 03).
16 06 05	Other batteries and accumulators.
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 01	Wood.
17 02 02	Glass.
17 02 03	Plastic.
17 03	Bituminous mixtures, coal tar and tarred products.
17 03 02	Bituminous mixtures other than those mentioned in 17 03 01.
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 04 11	Cables other than those mentioned in 17 04 10.
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.
07 05 06	Dredging spoil other than those mentioned in 17 05 05. ^[1]
17 05 08	Track ballast other than those mentioned in 17 05 07.

Waste Code	Description
17 06	Insulation materials and asbestos-containing construction materials.
17 06 04	Insulation materials other than those mentioned in 17 06 01 and 17 06 03.
17 08	Gypsum-based construction material
17 08 02	Gypsum-based construction materials other than those mentioned in 17 08 01. ^[1]
17 09	Other construction and demolition wastes.
17 09 04	Mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03.
19	WASTE FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE
19 05	Wastes from aerobic treatment of solid wastes.
19 05 01	Non-composted fraction of municipal and similar wastes.
19 05 03	Off-specification compost.
19 06	Wastes from anaerobic treatment of waste
19 06 04	Digestate from anaerobic treatment of municipal waste
19 06 06	Digestate from anaerobic treatment of animal and vegetable waste
19 12	Wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified.
19 12 01	Paper and cardboard.
19 12 02	Ferrous metal.
19 12 03	Non-ferrous metal.
19 12 04	Plastic and rubber.
19 12 05	Glass.
19 12 07	Wood other than that mentioned in 19 12 06.
19 12 08	Textiles.
19 12 09	Minerals (for example sand, stones).
19 12 10	Combustible waste (refuse derived fuel).
19 12 12	Other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11. ^[2]
19 13	Wastes from soil and groundwater remediation.
19 13 02	Solid wastes from soil remediation other than those mentioned in 19 13 01.

Waste Code	Description
20	MUNICIPAL WASTES (HOUSEHOLD WASTE AND 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 10	Clothes.
20 01 11	Textiles.
20 01 36	Discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35.
20 01 38	Wood.
20 01 39	Plastics.
20 01 40	Metals.
20 02	Garden and park wastes (including cemetery waste).
20 02 01	Biodegradable waste.
20 02 02	Soil and stones.
20 03	Other municipal wastes.
20 03 01	Mixed municipal wastes.
20 03 02	Waste from markets.
20 03 03	Street-cleaning residues.
20 03 07	Bulky waste.

NOTES:

- [1] Waste must be tested to confirm that they are non-hazardous by the waste producer and the test reports reviewed prior to acceptance of material on site.
- [2] Only material produced by waste processing sites permitted to handle strictly non-hazardous waste will be accepted. The environmental permit for each producer will be reviewed prior to acceptance of the waste on site.

APPENDIX 2

TABLE OF ACTIVITIES

Description of activities	Limits of activities
<p>D15: Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced)</p> <p>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)</p> <p>D14: Repackaging prior to submission to any of the operations numbered D1 to 13</p> <p>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</p> <p>R3: Recycling/reclamation of organic substances which are not used as solvents</p> <p>R4: Recycling/reclamation of metals and metal compounds</p> <p>R5: Recycling/reclamation of other inorganic materials</p>	<p><u>MRF activity limits</u></p> <p>Treatment consisting only of manual and mechanical sorting, separation, screening, drying, baling, shredding, crushing, and/or compaction of waste into different components for disposal or recovery.</p> <p>No more than a total of 50 tonnes of intact and shredded waste vehicle tyres (waste codes 16 01 03 and 19 12 04) shall be stored at the site.</p> <p><u>Open windrow composting activities</u></p> <p>The storage, physical treatment and composting of wastes shall take place on an impermeable surface.</p> <p>Physical treatment, composting and screening operations shall be carried out on areas of impermeable pavement.</p> <p>The treatment capacity of any plant shall not exceed 10 tonnes per day of animal waste.</p> <p>Each composting batch shall undergo an identifiable sanitisation and stabilisation stage.</p>