



Forest Products Centre, Cwmavan, Port Talbot, West
Glamorgan, SA13 2RX

Environmental Management System for Wood Recovery Operation

Ref: 2167B/MS

December 2020



Notice

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Drawings

Reference	Title
LMM 041 01A	Permit Plan
LMM 041 02	Permit Plan Boundary only

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Foreword

This document details the Management System of South West Wood Products Ltd for a waste wood recovery operation at Forest Products Centre, Cwmavan, Port Talbot, West Glamorgan, SA13 2RX.

1 Site Details including Infrastructure, Engineering & Mobile Plant

Site Location

- 1.1 The site is located in part of the Forest Products Centre, Cwmavan, Port Talbot, West Glamorgan, SA13 2RX.

The OS Grid Reference for the site is: SS 7886 9201

The OS Grid Reference for the site access: SS 7880 9208

Operator Details

- 1.2 The site operator's registered office is:

South West Wood Products Ltd

Clifton Moor

Clifton

Penrith

Cumbria

CA10 2EY

Telephone: 01931 712644

Site Telephone: tbc

Emergency Contacts

- 1.3 A full list of emergency contact details for the site is provided in Appendix A.

Fixed Site Infrastructure

- 1.4 Plan LMM 041 01A shows the site boundary. The site is an open compound with limited fixed infrastructure. Boundaries adjacent to woodland areas will be demarked on the ground to ensure no site encroachment.

Surfacing and Drainage

- 1.5 The site has a hardstanding surface with no water emission points. A watercourse crosses the centre of the site however this is fully culverted with no access points.

Access

- 1.6 The site on an area of established commercial development in open countryside to the south of the Cwmavan between two main roads, the A4107 and B4282 to the north and south respectively. The site is accessed via the A4107, the Afan Valley Road.

Site Security and Boundaries

- 1.7 The site is situated in open countryside but not readily visible from nearby public roads or properties as it is surrounded by woodland. The site is securely enclosed by fencing with security gates that are locked when the site is not in operation.

Site Identification Board

- 1.8 A site identification board is will be displayed and maintained at the site at the point vehicles access the site, at the entrance on the Afan Valley Road. It will display the following information:

- Site name and address
- Permit holder's name
- Permit number
- Emergency contact details including telephone number
- Statement that the site is licensed by Natural Resources Wales
- Natural Resources Wales contact numbers including environmental incident number 0300 065 3000
- Days and hours site is open to receive waste

- 1.9 The sign will be maintained in a legible condition and updated as necessary.

Offices and Stores

- 1.10 Existing buildings at the Forest Centre as identified on plan LMM 041 01A¹ will provide site offices, welfare facilities and basic stores and equipment. An inventory of the main stores and equipment, including emergency equipment, kept on site is provided in Appendix B. The inventory includes details of where the stores and equipment is kept and all staff shall ensure items are properly stored in their correct locations when not in use.

Maintenance of Fixed Infrastructure

- 1.11 The boundary fencing, buildings, tanks and site surfacing are inspected on a regular basis by the site staff to ensure they are intact and at the site boundaries there is no encroachment onto adjoining land. Should any repairs be required they will be noted in the site diary and actioned within five working days.

¹ All bar the buildings shown for office and maintenance/stores will be demolished to make way for the wood operations.

Mobile Plant

- 1.12 The mobile plant and 'non' fixed infrastructure typically on the site comprises:
- Hydraulic Loading Shovels (JCB or Hyundai or similar)
 - Shredder/chippers (Doppstadt 435 or similar)
 - Screeners (Finlay 883 or similar)
 - Tractor and water bowser
 - Temporary Modular Buildings
 - Compressor
 - Water tank
 - Diesel Generator
 - Bunded Diesel Bowser
 - trommel
- 1.13 The site staff are responsible for ensuring all plant is maintained in a good working condition with regular inspections, testing and maintenance undertaken in accordance with manufacturer's specifications and the company policy.

2 Waste Acceptance Procedures

Waste Throughput and Types

- 2.1 The site will receive up to 100,000 tonnes of wood waste materials per year. The waste types accepted at the site are listed below in table 1.

Table 1: Waste Types

EWG Code	Description
02 01 03	Wood and bark
02 01 07	Wood and bark
03 01 01	Wood bark and cork
03 01 05	Sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in 03 01 04
03 03 01	waste bark and wood
15 01 03	wooden packaging
17 02 01	Wood
17 09 04	Mixed construction waste consisting of wood only
19 12 07	wood other than that mentioned in 19 12 06
20 01 38	Municipal wood waste
20 02 01	wood and bark only

Procedures

- 2.2 All waste arriving at the site is subject to the following waste acceptance procedures operated by the site staff.

Initial Acceptance: Documentation and Visual Inspection

- 2.3 Documentation for each load is checked on arrival to ensure an appropriate waste transfer note has been completed. The waste is also visually checked before it is permitted to be unloaded. If the initial check and documentation indicate that the material is allowed under the Permit it is directed to unload. If the material is not permitted or the inspection shows

that it contains un-permitted materials for example material not covered for in table 1, the load is refused and not accepted at the site. Site operatives will inform carriers if their material does not comply with the Permit conditions and that it will not be accepted. The carrier will be advised of a nearby suitable facility which can accept the material. A record of any load refused is made in the Site Diary.

- 2.4 The visual inspection is also to assess if there are any signs of the waste 'heating' with steam or smoke. Where the load appears to be heated, before it is accepted to be unloaded it is checked by either a temperature probe detector to establish if the temperature of the load is elevated. Loads with elevated temperatures will be directed to the quarantine area for unloading and will be subject to the cooling procedures at the quarantine area. Full details of loads directed to the quarantine area for cooling will be recorded.
- 2.5 The initial inspection includes taking a photographic record of the load. The record is also used to grade the load. The load is then directed to the appropriate area for tipping and details of the pile in which it is tipped are recorded.

Secondary Inspection

- 2.6 Following the initial acceptance, the waste also receives a secondary inspection by site operatives when it is unloaded. If any material is found not to be within the terms of the Permit site operatives will, if appropriate, direct that the material be reloaded and removed from site as soon as possible to a suitably licensed facility. If the non-permitted waste cannot be reloaded it will be isolated by site operatives, with no further unloading of materials in that immediate area until the non-conforming material has been removed to prevent any cross contamination.

Rejection of Loads

- 2.7 If at any stage of the acceptance procedures the load is found to contain non permitted material and be rejected, reloaded back onto the vehicle it arrived in, where possible, to be transported off site. Where it is not possible to reload the non-conforming materials will be transferred to a temporary storage area for non-conforming materials. Site Operatives will make arrangements for the removal of non-conforming material from the temporary storage area to an appropriated licensed facility and arrangements made by the site operative to ensure its removal from site. If the material has the potential to cause a statutory nuisance it will be removed as soon as possible from site i.e. within 24 hrs.

- 2.8 If the non-permitted wastes are hazardous Natural Resources Wales will be notified and a course of action agreed. Site operatives will record in the Site Diary all actions involving non-conforming materials. If a source/supplier of waste is repeatedly bringing non-conforming materials to site then further investigation of the source of the waste will take place. If appropriate, specific acceptance requirements will be issued to the supplier to ensure that non-conforming materials are not brought onto site or materials will not be accepted onto site from that source/supplier. Where a supplier continues to bring non-conforming materials to site, the contract with that supplier will be terminated.
- 2.9 Details of rejected loads will be kept in the Site Diary and management will be informed at the end of each working day.

Information Records

- 2.10 The following is recorded for each load of waste:
- The vehicle registration number;
 - The haulier's Registration of Carriers registration number;
 - A Transfer Note showing the waste producer, a description and amount of the waste, the haulier of the waste and the waste's collection point: and,
 - Pile number the load is directed to for tipping.
- 2.11 The site records are forwarded each week to the Operator's head offices at Penrith and are available for inspection by the Natural Resources Wales with reasonable notice. Alternatively information can be supplied on request. Commercial information will be regarded as confidential. Within one month of the end of each quarter details of the waste movements are forwarded to the Natural Resources Wales on the appropriate form.

No Acceptance of Waste

- 2.12 In addition to the general waste acceptance procedures outlined above, if at any point during the working day, material will not be accepted onto site in the following conditions:
- Insufficient storage capacity,
 - Extreme weather conditions,
 - Abnormal site conditions preventing normal working as outlined in section 3.
- 2.13 Details of such events will be recorded in the Site Diary.

Suppliers

- 2.14 All suppliers are made aware of the waste codes that can be accepted at the site and also details such as contamination which will result in the reject of a delivered load, see Appendix C. Prior to materials being accepted from a new supplier they are visited by site management to ensure that their waste meets the waste acceptance criteria accepted at the site.

3 Method of Operation

Description of Activities: Classification of the Waste Management Operations (Directive Codes)

3.1 The waste management activities fall into the following 'D' & 'R' classifications:

- R3 Recycling/reclamation of organic substances which are not used as solvents
- R13 Storage pending operations under R13

Limits of Activities

3.2 The treatment of the permitted wood wastes by sorting, separation, cutting pulverising, shredding and chipping.

Site Operation

General Management

3.3 The site is only open to receive waste when it is supervised by a member of staff who is trained in and familiar with the requirements of this Management System and the Environmental Permit. The site is run by technically competent management with a Certificate of Technical Competence to an appropriate level. The attendance of the technically competent management is recorded in the site diary. A copy of this Management System accompanying documentation including Fire Prevention and Mitigation Plan and a copy of the Waste Environmental Permit will be kept available on site for reference.

Daily Initial Site Inspection

3.4 The site staff upon arriving at site at the start of each working day will inspect the site to ensure that there have been no incidents overnight. The inspection will check the site infrastructure is intact and free from any obstructions, including site boundaries and roadways. All waste storage areas will be checked to ensure that the material has not been disturbed. The mobile plant on site will also be checked to ensure it is operational.

3.5 Any defects identified by the daily initial site inspection will be rectified by the site staff immediately. Where it is not possible rectify any defects immediately the site will not open unless normal operating conditions are unaffected i.e. operations can take place without any increased risk of pollution. The site operative will record details of the incident, detailing its cause(s) and any remedial measures employed in the site diary. The site operative will report the matter, verbally, to management before the end of the working day.

- 3.6 Upon completion of the daily initial site inspection confirming normal site operating conditions, with the completion of any necessary remedial actions, the site will accept waste
- 3.7 On arrival at site vehicles are checked in accordance with the procedures in section 2. Vehicles are then directed to unload at the part of the site which is currently storing similar quality materials.
- 3.8 Processing takes place with mobile machinery which operates across the whole site. The processing plant is repositioned adjacent to the current materials storage area which is being processed, to minimise internal transportation. The processed materials are stored without further disturbance or unnecessary movement until they can be removed from site.
- 3.9 If there is any spillage of materials either at the point of processing or as a consequence of being transported across the site, or from stockpiles this is cleared as soon as feasible. A loading shovel is typically used to move materials.

Storage

- 3.10 To avoid cross contamination issues, materials are typically stored separately on the basis of the type and processing they require to meet the 'product specification'. Stockpiling is detailed in the accompanying Fire Prevention and Mitigation Plan (FPMP) which includes provision for monitoring. No waste material is kept on site for more than 6 months.
- 3.11 The precise layout of the site will vary reflecting the prevailing operational conditions and will accord with the FPMP. The maximum possible storage on site is approximately 10,000 tonnes.

Operational Hours

- 3.12 The typical hours of operation at the site are:
- 0700 - 1000 Monday to Friday
 - 0700 – 1600 Saturdays
 - 0800 – 1300 Sundays and bank/public holidays
- 3.13 At the end of each working day the site staff will ensure that all mobile plant is secured, a blow down takes place and the plant is rechecked an hour later. At the end of the working day the site is left in a tidy condition.

Weekly Inspection

- 3.14 A weekly site inspection is carried by the site manager, or in his absence his appointed nominee, out to assess:

- The correct nature of wastes are being handled at the facility;
- The state of repair of the infrastructure including surfaced areas, fences, dust suppression equipment, buildings, drainage², etc;
- Any evidence of scavenging animals or birds, pests or vermin;
- The satisfactory operation of the waste recording system; and
- The general state of condition of the site and its facilities.

Members of the Public

- 3.15 The site is not open to members of the public and any members of public found on the site shall be asked to leave immediately by site staff.

² This includes checking the line of the culverted watercourse and checking upstream that there are no blockages.

4 Environmental Control Measures

Dust

- 4.1 A separate dust management plan covers the site operations.

Noise

- 4.2 A separate noise management plan covers the site operations.

Surface & Ground Waters

- 4.3 The site drainage does not connected to any external watercourses with a culverted watercourse across the centre of the site. To minimise risks to surface and ground waters the following actions are implemented:

- Waste Acceptance Procedure to ensure that only inert materials are accepted;
- No point source discharges to surface waters from the waste operations;
- Regular inspection of culvert to ensure and maintain intact;
- On site fuelling and maintenance of plant and vehicles undertaken with due regard to best operating practise;
- Storage of polluting liquids such as oils and fuel restricted to appropriate locations; and,
- Spill kits will be made available.

Windblown Litter

- 4.4 Due to the nature of the waste litter nuisance is considered to be a low risk. The site is sheltered by a combination of fencing and vegetation. Throughout the working day the site staff will note the prevailing weather conditions, and in conditions with the potential to generate windblown litter. Notwithstanding the weather conditions the site staff will maintain a visual assessment throughout the working day for windblown litter. The site will maintain good housekeeping practises and any windblown material will be cleared immediately including any windblown litter off site. All litter on the site will be picked up on a daily basis.

Odour

- 4.5 Due to the nature of the waste odour nuisance is considered to be a low risk. Site management will however record any issues with odour and if there is an on-going issue with odour complaints the operator shall prepare and implement an odour management plan.

Pests & Vermin

- 4.6 Problems arising from scavenging animals or birds, pests and vermin are unlikely as food wastes are not brought into the site. However the site manager will inspect the site regularly, at minimum on a weekly basis, and, should any evidence of pests be found, the site manager will ensure appropriate action is taken immediately to eradicate them. A record of inspections is kept in the site diary. Any evidence of pests found by site operatives will be reported to the site manager for appropriate action.

5 Accident Prevention and Management Plan

Emergency Procedures

Immediate Response

5.1 Where appropriate to the accident, immediate actions shall include:

- Raise alarm if human / environmental safety is at risk;
- Ensure all persons are evacuated from danger area; and
- Contact Emergency Services.

Secondary Actions

5.2 Potential events / failures that could lead to a human / environmental accident, their possible consequences and the actions to be taken to deal with the accident are outlined below in this section.

General Contingency Provisions

Shutdown

5.3 When conditions arise on site which prevent the normal working methods, as outlined in section 3, which give rise to pollution risks or emergency situations, then the relevant operations or the whole site (if appropriate) shall shutdown until normal working conditions can be resumed. Such conditions would include critical failure of site infrastructure e.g. failure of water supply for dust suppression, the collapse of the building, or extreme weather conditions such as gale force winds or emergency situations such as the outbreak of fire.

5.4 Management will be informed immediately of any such incidents and, when appropriate, no wastes accepted onto site.

5.5 When the site is shutdown, where conditions permit, the site staff will ensure all waste is placed in storage mounds and left undisturbed and all mobile plant is secured. If the site is to be closed for more than two weeks the Natural Resources Wales will be informed and provisions for the site's future operations discussed.

Mobile Plant & Machinery Failure

5.6 In the event of breakdown or malfunction the machinery shall, where possible, be repaired on site and subject to a full inspection prior to commencing operation again. Spare parts can be readily obtained from suppliers within 24hours and if unavailable replacement plant can be source from other operations within 48 hours.

- 5.7 Where the plant failure means that waste cannot be moved on site, and there is no suitable storage areas where materials can be deposited with giving risk to a pollution risk, then no further waste will be accepted on site until the plant is fully functional again or replacement plant has been brought to site.
- 5.8 Where the plant failure means that dust suppression systems cannot work fully e.g. frozen water, then only activities which do still have operational dust suppression or do not require dust suppression can take place until the dust suppression equipment plant is fully functional again or similar replacement machinery/arrangements have been made on site.

Reporting and Investigation of Incident

- 5.9 Any emergency/accident/shutdown/plant failures are immediately reported to the Site Manager. Full details of any incident which causes, or could cause, human damage or environmental pollution are recorded in the Site Diary. The details include date and time of accident, nature of accident, actions taken, involvement of any third parties, any remediation measures taken and results of investigation.
- 5.10 The Site Manager will investigate all incidents to establish the reasons and take any appropriate remediation actions. Where there is a repeated incident the site manager shall investigate the causes and take appropriate steps to prevent repeat instances including amendments to the management system if required.
- 5.11 A full record of the incident will be recorded in the Site Diary including details of investigations and any resultant remedial actions. Details of any incident shall be forwarded to the Area Manager and local Natural Resources Wales office as appropriate.

Training

- 5.12 All Site Staff will be suitably trained in the operation of accident management provisions including fire fighting procedures as per the FPMP.

Emergency Equipment

- 5.13 All site vehicles and plant will carry spill kits, fire fighting equipment and fires aid kits. Protective clothing and a fresh water supply is available in the buildings adjacent to the site offices.

Environmental Accidents – Water & Land

Potential accidents

5.14 Potential accidents that could lead to pollution of water or land interests include:

- Failure of drainage provisions
- Fuel spillages, including damage to fuel tanks
- Spillage of liquids
- Spillage of waste outside site
- Vandalism, leading to accident as outlined above
- Abnormal weather conditions

Potential Consequences

5.15 The potential consequences of these accidents could see pollution of:

- Adjacent water courses;
- Surrounding land; or
- Groundwater.

Avoidance Actions

5.16 Actions to avoid potential accidents include:

- Operation of waste acceptance procedures;
- Maintenance of site infrastructure
- Maintenance and inspection regime for all site plant and vehicles; and,
- Appropriate locations for repair and refuelling

Minimising Impact

5.17 In response to an accident as outlined above, the following actions will be instigated by the Site Staff as appropriate to the incident:

- Isolate and remove hazardous waste as per with waste acceptance procedures;
- Repair damaged infrastructure;
- Isolate affected area from operations;
- Stop operations in affected area/site;
- Stop bringing material to affected area/site;
- Shut down of site;

- Immediate use of spill kits and subsequent appropriate disposal;
- Where possible stem or contain flow of liquid;
- Retrieve materials that have escaped from site; and,
- Inform the Site Management / Natural Resources Wales.

5.18 The accident shall be fully recorded as outlined previously

Environmental Accidents – Fire

5.19 A Fire Prevention and Mitigation Plan has been prepared which compliments this Management System and details the fire prevention measures and provision for a fire incident.

6 Communications & Record Keeping

- 6.1 The Site Operator will ensure that this Management System and any updates or reviews are communicated to all Site Staff involved in the operation of the site. A full and up-to-date copy of the Management System, Environmental Permit and Fire Prevention Plan and Planning Consents will be kept at the site offices and made available at all times.
- 6.2 Any sub-contractors involved in the operations will be supplied with a copy of the Management System which they must comply with as relevant to their work.

Waste Records

- 6.3 Records will be kept of the full details of all waste brought to the site, as outlined in section 2. All waste transfer notes of the waste accepted at site will be retained at the Operator's head office.

Site Diary

- 6.4 The Site Diary will be maintained by Site Staff and kept at the site offices, recording:
- Site opening times;
 - Staff on site;
 - Daily weather conditions;
 - Incidents / abnormal site conditions;
 - Refused loads / unacceptable wastes;
 - Details of regular daily and weekly site inspections including any consequent actions;
 - Regulatory inspections, with the outcome and any actions required;
 - Plant breakdown / failure;
 - Site closure; and,
 - Complaints and actions taken.
- 6.5 The site diary will be available for inspection to authorised Natural Resources Wales officers.

Other Record Keeping

- 6.6 In addition to the Site Diary the Site Staff / Site Operator will also keep:
- Permit;
 - Management system and accompanying documentation;
 - Details of mobile plant maintenance and inspection records;

- Details of non-inert waste removed from site;
- Complaint details including investigations and outcomes;
- Reviews, audits and amendments of management system;
- Records of training of staff; and
- Natural Resources Wales Compliance Assessment Reports and actions.

6.7 All records associated with the site shall be kept for a minimum of six years in accordance with the requirements of the Environmental Permit.

Complaints

6.8 Any complaints received at the site will be immediately investigated by the Site Staff and / or the Site Operator. Where appropriate, remedial action will be taken.

6.9 The complaint will be reported to the Site Operator within 24 hours. The original complainant will be informed of the outcome of the investigation of the complaint and any actions taken within 5 working days.

6.10 Details of each complaint, including the complainant's details, actions taken and outcomes will be recorded on a complaint log, see Appendix D, which will form part of the records of the site diary.

7 Management, Site Staff and Training

Management

- 7.1 The management is provided from its office located at Cardiff:

South West Wood Products Limited

Unit 4A

Compass Business Park

Pacific Road

Cardiff

CF24 6HL

Tel: 0290 523440

- 7.2 The Area Manager will undertake an annual audit of the site's performance against the Management System to ensure the site is operating effectively and compliant with any new regulatory or permit requirements. An annual review of the management system will be undertaken by management.

Management Site

- 7.3 Direct responsibility for implementing the Management System at Cwmavan is held by the site manager. The Site Manager will also be responsible for interim audits of the management system place in response to changes to the site's operation, company changes, incident/accidents, complaints, and use of new plant or techniques. All site staff will report directly to the Site Manager

Operational Staff

- 7.4 Management will ensure that the Technical Competency is maintained in accordance with industry requirements. Suitably qualified consultancy staff will be brought in to manage the site if this is not the case.
- 7.5 The site staff will be suitable trained in their roles and responsibilities with on site training by the technically competent management, to ensure that they conduct their duties in compliance with the management system.

Appendices

Appendix A – Cwmavan Emergency Contacts

Forest Products Centre, Cwmavan	
Site Phone Number	Tbc
Emergency Services	999
Police HQ Incident Room	101
Local Police	Unit 30a East Mall, Aberafan Shopping Centre, Aberafan Tel: · 01792 456999
Doctor	Cwmavon Health Centre, Penllyn, Cwmafan, Port Talbot SA12 9PY Tel: 01639 896244
A&E	Neath Port Talbot Hospital. Baglan Way, Port Talbot SA12 7BX Tel: 01639 862000
NHS Direct	0845 4647
Natural Resources Wales	24hour hot line – 0800 807060 Local Office – 01278 484728
Gas Emergency	0800 111 999
Electricity Emergency	0800 052 0400
Water Services & Emergencies	0800 052 0130
Local Authority	Neath Port Talbot County Borough Council 01639 686868
Maintenance Contractor	

Company Contacts Out of Hours		
Operator	Tom Dunn	07717 291464
	Martin Chubb	07739324593

Appendix B – Cwmavan Works Inventory of Equipment and Stores

Equipment/Stores	Location
Fire Extinguishers	Maintenance/Storage Shed, offices, on vehicles and located across site
Fire Fighting Equipment	Maintenance/Storage Shed and located across site
Oil spill kit	Maintenance/Storage Shed and in vehicles
First Aid Kit	Maintenance/Site offices and on vehicles
Wear Part spares for plant	Maintenance/Storage Shed
Diesel (bundled tanks)	Maintenance/Storage Shed
Oils	Maintenance/Storage Shed
Various hand tools and equipment	Maintenance/Storage Shed

Appendix C – SWWP - Acceptance Criteria & Rejection

SOUTH WEST WOOD PRODCUTS LTD

Untreated Waste Wood Specification for Recycling (clean grade)

Acceptable untreated wood wastes are typically:

- Solid waste wood in its natural state e.g. offcuts and shavings from virgin timber products.
- All wood-based packaging such as pallets, packing crates, stillages, bearers and wooden boxes, constructed from solid wood and derived timber products free from preservatives.
- Nailed items such as pallets and packing crates present no problems unless structures are greater than 1m³ or have large metal attachments – Cable reels are unsuitable, but may be accepted for pre-crushing by arrangement in advance.
- Wooden structures can be recycled, provided that no plastic laminates are still attached. No painted items are acceptable.
- Waste wood from the construction industry including pre and post consumer is acceptable. Items such as wooden boards, planks, beams, doors, door and window frames are acceptable, provided they meet the above criteria.
- Source segregated wood to the above specification from Waste Management Facilities and Household Waste Recycling Centres.

All wood waste must be free of contraries & contaminants such as:

- Wood contaminated with felt, paint, preservatives, and particularly tar or oil-based preservatives is not acceptable i.e. sleepers & telegraph poles. No creosote- treated or odorous material.
- Glass, dirt, brick, concrete, stone, rubber, foam, polythene, plastics, paper, cardboard cloth, wire cable and rope are all unacceptable.
- Burnt or charred material is not acceptable.

Appendix D – Complaint Log

Complaint Log:

Date of Incident		Time of Incident		Weather conditions at time of incident	
Date of Complaint		Time of complaint			
Name		Address		Contact details	
Complaint					

Signed:.....

Details of Investigation					
Action Taken					
Future Actions					
Reporting ³	Complainant	Site Staff	Management	EA	

Signed:..... (Site manager)

³ Confirm date, verbal or written.

Appendix E – Cwmavan Works Risk Assessment

Forest Products Risk Assessment Doc Ref RA/2197B/Dec2020

Facility:

Waste Operation: Treatment of waste wood

Location:

Forest Products Centre, Cwmavan, Port Talbot, West Glamorgan, SA13 2RX

Risk assessment carried out by:

LJ Binnie

Date:

04-Dec-20

The scope of the permit and associated rules is defined by the following risk criteria:

Parameter 1

Permitted activities - The storage of waste (R13) treatment of waste wood (R3).

Parameter 2

Permitted waste types - Non Hazardous wood types other than waste consisting solely or mainly of dusts, powders or loose fibres or waste in liquid form

Parameter 3

Quantity of waste accepted at the facility: <100,000 tonnes per annum.

Parameter 4

The site is not located within groundwater source protection zones 1 or 2. The site has a hardstanding surface and no emission point discharge for site drainage waters.

Parameter 5

Parameter 6

There are no point source discharges to controlled waters or groundwater from the site.

Parameter 7

The site is not within 500m of a European Site (candidate or Special Area of Conservation, proposed or Special Protection Area or Ramsar site) or a Site of Special Scientific Interest (SSSI).

Parameter 8

The site is 10 metres from any surface waters and there are no wells, springs or boreholes used for the supply of water for human consumption, including private water supplies within 50 metres of the site.

Data and information				Judgement				Action (by permitting)	
Receptor	Source	Harm	Pathway	Probability of exposure	Consequence	Magnitude of risk	Justification for magnitude	Risk management	Residual risk
What is at risk? What do I wish to protect?	What is the agent or process with potential to cause harm?	What are the harmful consequences if things go wrong?	How might the receptor come into contact with the source?	How likely is this contact?	How severe will the consequences be if this occurs?	What is the overall magnitude of the risk?	On what did I base my judgement?	How can I best manage the risk to reduce the magnitude?	What is the magnitude of the risk after management? (This residual risk will be controlled by Compliance Assessment).

Local human population	Releases of particulate matter (dusts) and micro-organisms (bioaerosols).	Harm to human health - respiratory irritation and illness.	Air transport then inhalation.	Medium	Medium	Medium	Permitted waste types are non hazardous and do not include dusts, powders or loose fibres (with the exception of sawdust) and have a low potential to produce bioaerosols, but the treatment activities will produce particulate matter so a medium magnitude risk is estimated. The permitted level of throughput and potential size of the facility means there is potential for exposure if anyone is living or working close to the site (apart from the operator and employees).	The site shall operate to a dust management plan.	Low
Local human population	As above	Nuisance - dust on cars, clothing etc.	Air transport then deposition	High	Low	Medium	As above. Local residents often sensitive to dust.	As above	Low
Local human population, livestock and wildlife.	Litter	Nuisance, loss of amenity and harm to animal health	Air transport then deposition	Low	Low	Low	Local residents often sensitive to litter, however permitted waste types have low litter potential.	As above. Appropriate measures could include clearing litter arising from the activities from affected areas outside the site.	Very low
Local human population	Waste, litter and mud on local roads	Nuisance, loss of amenity, road traffic accidents.	Vehicles entering and leaving site.	Medium	Medium	Medium	Road safety, local residents often sensitive to mud on roads.	As above. Appropriate measures could include clearing waste, litter and mud arising from the activities from affected areas outside the site.	Low
Local human population	Odour	Nuisance, loss of amenity	Air transport then inhalation.	Low	Low	Low	Local residents often sensitive to odour, however permitted waste types have low odour potential.	Emissions shall be free from odour and if required an emission plan to prevent and minimise odours will be prepared	Very low
Local human population	Noise and vibration	Nuisance, loss of amenity, loss of sleep.	Noise through the air and vibration through the ground.	Medium	Medium	Medium	Local residents often sensitive to noise and vibration	The site shall operate to a noise management plan.	Low

Local human population	Scavenging animals and scavenging birds	Harm to human health - from waste carried off site and faeces. Nuisance and loss of amenity.	Air transport and over land	Low	Medium	Low	Permitted wastes unlikely to attract scavenging animals and birds but may become nesting / breeding sites.	Emissions of substances not controlled by emission limits (excluding odour and noise) shall not cause pollution. If appropriate measures, including, but not limited to, the preparation of an emissions management plan, to prevent or where that is not practicable, to minimise, those emissions.	Very low
Local human population	Pests (e.g. flies)	Harm to human health, nuisance, loss of amenity	Air transport and over land	Low	Medium	Low	Permitted waste types unlikely to attract pests.	As above	Very low
Local human population and local environment	Flooding of site	If waste is washed off site it may contaminate buildings / gardens / natural habitats downstream.	Flood waters	Low	Low	Low	Permitted waste types are non-hazardous so any waste washed off site will add to the volume of the local post-flood clean up workload, rather than the hazard.	The site will operate to a written management system that identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents, non-conformances (will include flood risk management).	Very low
Local human population and / or livestock after gaining unauthorised access to the waste operation	All on-site hazards: wastes; machinery and vehicles.	Bodily injury	Direct physical contact	Medium	Low	Low	Permitted waste types are non-hazardous therefore only a low magnitude risk is estimated	Activities shall be managed and operated in accordance with a management system which will include site security measures to prevent unauthorised access.	Low
Local human population and local environment.	Arson and / or vandalism causing the release of polluting materials to air (smoke or fumes), water or land.	Respiratory irritation, illness and nuisance to local population. Injury to staff, fire fighters or arsonists/vandals. Pollution of water or land.	Air transport of smoke. Spillages and contaminated firewater by direct run-off from site and via surface water drains and ditches.	Medium	Medium	Medium	Permitted waste types do include flammable materials so a medium magnitude risk is estimated. Wastes should be stored in accordance with Environment Agency Pollution Prevention Guidance (PPG29) on Safe Storage - Combustible materials, prevent and control fire.	The site will operate to a Fire Prevention and Mitigation Plan that outlines measures to prevent combustion events and, in the event of an incident, the measures to minimise risks of pollution.	Low

Local human population and local environment	Accidental fire causing the release of polluting materials to air (smoke or fumes), water or land.	Respiratory irritation, illness and nuisance to local population. Injury to staff or fire fighters. Pollution of water or land.	As above.	Medium	Medium	Medium	As above.	As above (excluding comments on access to waste). Permitted activities do not include the burning of waste.	Low
Buried culverted watercourse crossing site	Waste materials entering watercourse.	Pollution of water and flooding.	Failure/collapse of culvert	Low	Medium	Low	Permitted waste types are non-hazardous therefore only a low magnitude risk is estimated	The Management System will have regular inspections to ensure site drainage remains intact.	Low
All surface waters close to and downstream of site.	Spillage of liquids, leachate from waste, contaminated rainwater run-off from waste e.g. containing suspended solids.	Acute effects: oxygen depletion, fish kill and algal blooms	Direct run-off from site across ground surface, via surface water drains, ditches etc.	Low	Low	Low	Permitted waste types do not include sludges or liquids so only a medium magnitude risk is estimated. No point source emissions to water are permitted, but there is potential for contaminated rainwater run-off from wastes stored outside buildings especially during heavy rain.	All liquids shall be provided with secondary containment (applies to non- wastes such as fuels). The Management System will employ appropriate measures to address emissions not controlled by emission limits and ensure site drainage remains intact.	Very low
All surface waters close to and downstream of site.	As above	Chronic effects: deterioration of water quality	As above. Indirect run-off via the soil layer	Low	Low	Low	Waste types are non-hazardous so harm is likely to be temporary and reversible.	As above	Very low
Abstraction from watercourse downstream of facility (for agricultural or potable use).	As above	Acute effects, closure of abstraction intakes.	Direct run-off from site across ground surface, via surface water drains, ditches etc. then abstraction.	Low	Low	Low	Watercourse must have medium / high flow for abstraction to be permitted, which will dilute contaminated run-off.	As above.	Very low
Groundwater	As above	Chronic effects: contamination of groundwater, requiring treatment of water or closure of borehole.	Transport through soil/groundwater then extraction at borehole.	Low	Low	Low	Permitted wastes unlikely to contaminate groundwater.	As above	Very low

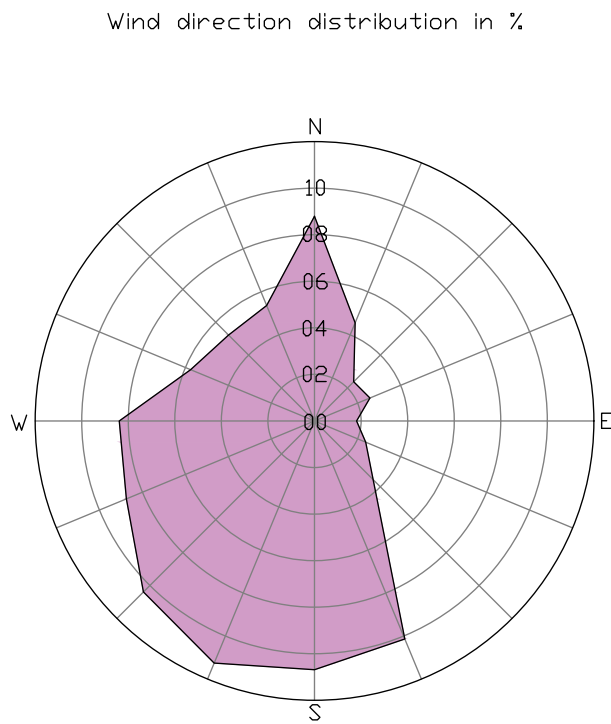
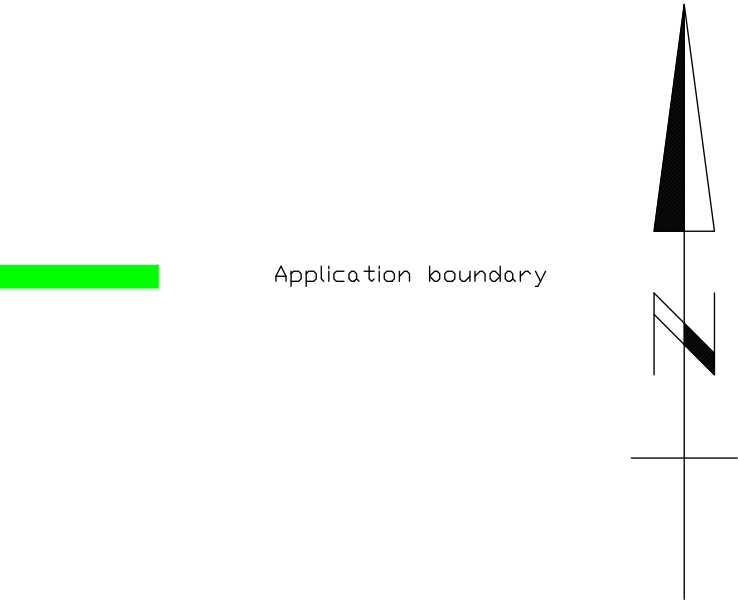
Local human population	Contaminated waters used for recreational purposes	Harm to human health - skin damage or gastro-intestinal illness.	Direct contact or ingestion	Low	Medium	Low	Unlikely to occur, but might restrict recreational use.	The site will operate to dust and noise management plans and the site will be managed to ensure other emissions of substances not controlled by emission limits shall not cause pollution. In the event they do appropriate measures, including the preparation of an emissions management plan, shall be taken to prevent or where that is not practicable, to minimise, those emissions.	Very low
Semi Ancient Woodland (located 50m to east of site) and Lowland mixed deciduous woodland	Any	Harm through toxic contamination, nutrient enrichment, smothering, disturbance etc.	Any	Medium	Medium	Low	Waste operations may cause harm to and deterioration of woodland areas however the operations are similar to previous, long established site operations which have not impacted woodlands.	The site will operate to dust and noise management plans and the site will be managed to ensure other emissions of substances not controlled by emission limits shall not cause pollution. The operator will take appropriate measures, including, but not limited to, the preparation and implementation of an emissions management plan, to prevent or where that is not practicable, to minimise, those emissions. The management system will include measures to ensure operations do not encroach on adjacent land.	Low

Priority and Protected sites - Eel, Otter and Badger	Any	Harm through toxic contamination, nutrient enrichment, smothering, disturbance etc.	Any	Medium	Medium	Low	Waste operations may cause harm to interest of protected and priority species however the operations are identical to previous, long established site operations and the site itself contains no habitat of value to species (breeding, foraging etc).	The site will operate to dust and noise management plans and the site will be managed to ensure other emissions of substances not controlled by emission limits shall not cause pollution. The operator will take appropriate measures, including, but not limited to, the preparation and implementation of an emissions management plan, to prevent or where that is not practicable, to minimise, those emissions. The management system will include measures to ensure operations do not encroach on adjacent land.	Low
Local Wildlife site (SINC): Hawthorn Close	Any	Harm to protected site through toxic contamination, nutrient enrichment, smothering, disturbance etc.	Any	Low	Medium	Low	Waste operations may cause harm to and deterioration of nature conservation sites. However the site has no direct connectivity to the SINC being over 25m from the SINC at its closest point with the processing location 175m away with the intervening ground comprising commercial operations and a main road.	The site will operate to dust and noise management plans and the site will be managed to ensure other emissions of substances not controlled by emission limits shall not cause pollution. The operator will take appropriate measures, including, but not limited to, the preparation and implementation of an emissions management plan, to prevent or where that is not practicable, to minimise, those emissions.	Low

Drawings

Drawing LMM 041 01A

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Notes:
1.This drawing should only be used for its original intended purpose.
2.Critical dimensions, levels, clearances etc. should be checked on site before construction work commences.
3.Dimensions in metres unless otherwise stated.



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PROCESSING AREA

5. UNPROCESSED 81 x 10m
810m²

4. UNPROCESSED 100 x 10m
1000m²

3. UNPROCESSED 140 x 10m
1400m²

6. PROCESSED
23 x 10m

1. UNPROCESSED 97 x 20m
1940m²

2. UNPROCESSED 94 x 20m
1880m²

QUARANTINE
40 x 33m max.
1057m²

ALTERNATIVE ACCESS POINT

MAIN SITE ACCESS POINT

EMERGENCY INFO. PACK

OFFICE

PARKING AREA

WEIGHBRIDGE

MAINTENANCE SHED AND STORES

SMOKING AREA

PLANT PARKING

HARDSTANDING

HARDSTANDING

SURFACE WATER FLOW

BUND

SURFACE WATER FLOW

HARDSTANDING

HARDSTANDING

HARDSTANDING

SURFACE WATER FLOW

2 x WATER TANKS

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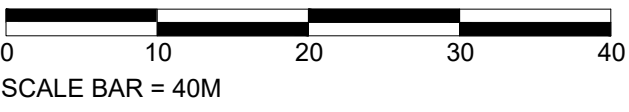
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A	Layout changed	04 Dec 20
Revision	Comment	Date
 Unit A4 Pacific Road, Compass Business Park, Cardiff CF24 5HL		
Project FOREST PRODUCTS SITE CWMAFAN SA12 9AB		
Drawing Title PERMIT PLAN		
Drawn Date 14/07/20	Surveyed Date	
Scale 1:500	(AT A1)	
Drawing Number LMM/041/01	Rev A	