



**Cyfoeth
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Natural
Resources
Wales**

Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Llantrisant Recycling Centre Limited

Llantrisant Recycling Centre

Pantybrad Lane

Llantrisant

Pontyclun

CF72 8YY

Permit number

EPR/AB3092FR

Llantrisant Recycling Centre

Permit number EPR/AB3092FR

Introductory note

This introductory note does not form a part of the permit

The main features of the permit are as follows.

This is a Tier 3 bespoke permit consisting of four facilities:

1. Inert and non-hazardous household, commercial and industrial waste transfer station with treatment,
2. Open windrow composting,
3. Treatment of street sweepings and;
4. Heat treatment facility

Inert and non-hazardous household, commercial and industrial waste transfer station with treatment.

Treatment operations for all non-hazardous waste and inert wastes are limited to the sorting, screening, crushing, chipping, shredding, blending and bulking up for recovery elsewhere. The site is also permitted to accept and store used disposable nappies for onward disposal. Treatment of disposable nappies other than bulking up for onward transfer is not permitted.

Permitted wastes are limited to inert wastes and non-hazardous wastes, no hazardous wastes are permitted.

Open windrow composting

Bioaerosol monitoring is required under the conditions of this permit. The maximum quantity of waste accepted and processed through the open windrow activity shall not exceed 15,000 tonnes per year.

Treatment of street sweepings

The organic fraction from the street sweepings is permitted to be used in the composting process to produce CLO (Compost like output) and the remaining separated fractions will be screened and separated to produce a product (aggregates) or sent for disposal. Post treatment wastes from EWC code 20 03 03 will be classified as EWC code 19 02 99 and may only be included in the composting process that produces Compost Like Output (CLO) and must not be included in any other composting process.

Heat treatment facility

Treatment operations are limited to drying of permitted wastes using heat for the purpose of recovery only.

The total quantity of waste that can be stored and subsequently treated at the site under this permit shall be no more than 350,000 tonnes per year.

Relevant storage and treatment capacity thresholds have been included in the permit to reflect the legal waste facility operational limits; above which, the site would be operating as an Industrial Emissions Directive installation. (See Table S1.1 for relevant limits.)

All waste will be stored and treated on an impermeable surface with sealed drainage. The run off will be collected within a storage tank and lagoon and removed from site for disposal at a suitable location or used for onsite dust suppression.

Surface water run off is infiltrated by made ground hardstanding before discharging to groundwater and/or surface water. During heavy rainfall, run off that may not percolate to groundwater and/or surface water will run to French drains and unlined ditches around the site before collecting into a settlement pond. Suspended solids will fall to the bottom of the settlement pond with clean run off being discharged to Nant Muchydd River. These discharges are controlled through the emission of substances not controlled by emission limits condition and all relevant process requirements set out in Tables S1.1 and S1.2.

The schedules specify the changes made to the original permit.

The burning of any wastes, either in the open, inside buildings or in any form of incinerator is not permitted.

The status log of the permit sets out the permitting history, including any changes to the permit reference number.

| Status log of the permit | | |
|---|-------------|--|
| Description | Date | Comments |
| Permit determined EPR/XB3093HJ/A001 | 17/11/15 | Permit issued to Llantrisant Recycling Centre Limited for inert waste and non-hazardous waste transfer station with treatment. |
| Variation determined EPR/AB3092FR/V002 (Formerly EPR/XB3093HJ) | 26/02/16 | Administrative variation to include additional waste codes (17 02 01, 17 02 03 and 20 01 38) and a Regulator led variation to include additional treatment methods (chipping, shredding and blending). |
| Variation determined EPR/AB3092FR/V003 | 16/05/16 | Administrative variation to include additional waste code (19 12 05). |
| Variation determined EPR/AB3092FR/V004 | 29/08/17 | Variation to include open windrow composting and the treatment and processing of street sweepings. |
| Variation determined EPR/AB3092FR/V005 | 20/10/17 | Administrative variation to include additional waste code (19 12 12). |
| Variation determined EPR/AB3092FR/V006 | 16/08/18 | Administrative variation to amend wording of waste code 19 12 12. |
| Variation determined EPR/AB3092FR/V007 | 03/04/19 | Variation to include additional waste codes and recovery code R4 to the waste transfer station and to increase the amount of street sweepings being treated. |

Status log of the permit

| Description | Date | Comments |
|--|-------------------------|---|
| Application EPR/AB3092FR/V008 | Duly made 30/09/2020 | Operator led variation to: - increase annual throughput of open windrow composting facility to 15,000 tonnes - add a heat treatment facility - add waste codes 15 01 09, 19 12 08, 20 01 10 and 20 01 11 to the waste transfer station. - remove the caveat (consisting of clean glass only) from 19 12 12 and - to consolidate the permit. Regulator led variation to: - remove the waste code 20 03 03 and replace it with 19 02 99, within the open windrow composting activity |
| Additional information received in response to Schedule 5 notice | 05/03/21 | Updated site plan |
| Additional information received in response to Schedule 5 notice | 26/03/21 | Updated management plans including : - Fire Prevention and Mitigation Plan - Environmental Management System - Odour Management Plan |
| Additional information received in response to Schedule 5 notice | 12/05/21 | Updated Environment Management System |
| Variation determined | 05/07/21 | Varied permit issued |

End of introductory note

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/AB3092FR

The Natural Resources Body for Wales (“Natural Resources Wales”) authorises, under regulation 13 of the Environmental Permitting (England and Wales) Regulations 2016

Llantrisant Recycling Centre Limited (“the operator”),

whose registered office is

Earthmover’s House

Unit 16

Llantrisant Business Park

Llantrisant

Pontyclun

CF72 8LF

company registration number **09386912**

to operate waste operations at

Llantrisant Recycling Centre

Pantybrad Lane

Llantrisant

Pontyclun

CF72 8YY

to the extent authorised by and subject to the conditions of this permit.

| Name | Date |
|-------------------|-------------------|
| Huw Davies | 05/07/2021 |

Authorised on behalf of Natural Resources Wales

Conditions

1 Management

1.1 General management

- 1.1.1 The operator shall manage and operate the activities:
- (a) in accordance with a written management system that identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents, non-conformances, closure and those drawn to the attention of the operator as a result of complaints; and
 - (b) using sufficient competent persons and resources.
- 1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.
- 1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it kept at or near the place where those duties are carried out.
- 1.1.4 The operator shall comply with the requirements of an approved competence scheme

1.2 Avoidance, recovery and disposal of wastes produced by the activities

- 1.2.1 The operator shall take appropriate measures to ensure that:
- (a) the waste hierarchy referred to in Article 4 of the Waste Framework Directive is applied to the generation of waste by the activities; and
 - (b) any waste generated by the activities is treated in accordance with the waste hierarchy referred to in Article 4 of the Waste Framework Directive; and
 - (c) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.
- 1.2.2 The operator shall review and record at least every four years whether changes to those measures should be made and take any further appropriate measures identified by a review.

2 Operations

2.1 Permitted activities

- 2.1.1 The operator is only authorised to carry out the activities specified in schedule 1 table S1.1 (the “activities”).

2.2 The site

- 2.2.1 The activities shall not extend beyond the site, being the land shown edged in green on the site plan at schedule 7 to this permit.

2.3 Operating techniques

- 2.3.1 (a) The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by Natural Resources Wales.

- (b) If notified by Natural Resources Wales that the activities are giving rise to pollution, the operator shall submit to Natural Resources Wales for approval within the period specified, a revision of any plan or other documentation ("plan") specified in schedule 1, table S1.2 or otherwise required under this permit which identifies and minimises the risks of pollution relevant to that plan, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by Natural Resources Wales.

2.3.2 Waste shall only be accepted if:

- (a) it is of a type and quantity listed in schedule 2 table(s) S2.1 [, S2.2 etc.]; and
- (b) it conforms to the description in the documentation supplied by the producer and holder.

3 Emissions and monitoring

3.1 Emissions to water, air or land

3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 tables S3.1, S3.2 and S3.3.

3.1.2 The limits given in schedule 3 shall not be exceeded.

3.2 Emissions of substances not controlled by emission limits

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

3.2.2 The operator shall:

- (a) if notified by Natural Resources Wales that the activities are giving rise to pollution, submit to Natural Resources Wales for approval within the period specified, an emissions management plan which identifies and minimises the risks of pollution from emissions of substances not controlled by emission limits;
- (b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by Natural Resources Wales.

3.3 Odour

3.3.1 Emissions from the activities shall be free from odour at levels likely to cause pollution outside the site, as perceived by an authorised officer of Natural Resources Wales, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved odour management plan, to prevent or where that is not practicable to minimise the odour.

3.4 Noise and vibration

3.4.1 Emissions from the activities shall be free from noise and vibration at levels likely to cause pollution outside the site, as perceived by an authorised officer of Natural Resources Wales, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved noise and vibration management plan to prevent or where that is not practicable to minimise the noise and vibration.

3.4.2 The operator shall:

- (a) if notified by Natural Resources Wales that the activities are giving rise to pollution outside the site due to noise and vibration, submit to Natural Resources Wales for approval within the period specified, a noise and vibration management plan which identifies and minimises the risks of pollution from noise and vibration;
- (b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by Natural Resources Wales.

3.5 Pests

- 3.5.1 The activities shall not give rise to the presence of pests which are likely to cause pollution, hazard or annoyance outside the boundary of the site. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved pests management plan, have been taken to prevent or where that is not practicable, to minimise the presence of pests on the site.
- 3.5.2 The operator shall:
 - (a) if notified by Natural Resources Wales, submit to Natural Resources Wales for approval within the period specified, a pests management plan which identifies and minimises risks of pollution, hazard or annoyance from pests;
 - (b) implement the pests management plan, from the date of approval, unless otherwise agreed in writing by Natural resources Wales.

3.6 Fire

- 3.6.1 The operator shall manage and operate the activities in accordance with a written fire prevention plan using the current, relevant fire prevention and mitigation plan guidance.
- 3.6.2 The operator shall:
 - (a) if notified by Natural Resources Wales that the activities could cause a fire risk, submit to Natural Resources Wales a fire prevention and mitigation plan which identifies and minimises the risks of fire;
 - (b) Operate the activity in accordance with the fire prevention and mitigation plan, from the date of submission, unless otherwise agreed in writing by Natural Resources Wales.

3.7 Monitoring

- 3.7.1 The operator shall, unless otherwise agreed in writing by Natural Resources Wales, undertake the monitoring specified in the following tables in schedule 3 to this permit:
 - (a) process monitoring specified in table S3.1;
 - (b) bioaerosol monitoring specified in table S3.2.
- 3.7.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.
- 3.7.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.3.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by Natural Resources Wales.
- 3.7.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 3 tables S3.1, S3.2 [,S3.3 etc.] unless otherwise agreed in writing by Natural Resources Wales.

4 Information

4.1 Records

4.1.1 All records required to be made by this permit shall:

- (a) be legible;
- (b) be made as soon as reasonably practicable;
- (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and
- (d) be retained, unless otherwise agreed in writing by Natural Resources Wales, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:
 - (i) off-site environmental effects; and
 - (ii) matters which affect the condition of the land and groundwater.

4.1.2 The operator shall keep on site all records, plans and the management system required to be maintained by this permit, unless otherwise agreed in writing by Natural Resources Wales.

4.2 Reporting

4.2.1 The operator shall send all reports and notifications required by the permit to Natural Resources Wales using the contact details supplied in writing by Natural Resources Wales.

4.2.2 Within one month of the end of each quarter, the operator shall submit to Natural Resources Wales using the form made available for the purpose, the information specified on the form relating to the site and the waste accepted and removed from it during the previous quarter.

4.2.3 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by Natural Resources Wales, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:

- (a) in respect of the parameters and emission points specified in schedule 4 table S4.1;
- (b) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.1, 4.2 and
- (c) giving the information from such results and assessments as may be required by the forms specified in those tables.

4.3 Notifications

4.3.1 Natural Resources Wales shall be notified without delay following the detection of:

- (a) any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution;
- (b) the breach of a limit specified in the permit; or
- (c) any significant adverse environmental effects.

4.3.2 Any information provided under condition 4.3.1 shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.

4.3.3 Where Natural Resources Wales has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform Natural Resources Wales when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to Natural Resources Wales at least 14 days before the date the monitoring is to be undertaken.

4.3.4 Natural Resources Wales shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:

Where the operator is a registered company:

- (a) any change in the operator's trading name, registered name or registered office address; and
- (b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.

Where the operator is a corporate body other than a registered company:

- (a) any change in the operator's name or address; and
- (b) any steps taken with a view to the dissolution of the operator.

In any other case:

- (a) the death of any of the named operators (where the operator consists of more than one named individual);
- (b) any change in the operator's name(s) or address(es); and
- (c) any steps taken with a view to the operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case of them being in a partnership, dissolving the partnership.

4.3.5 Where the operator proposes to make a change in the nature or functioning, or an extension of the activities, which may have consequences for the environment and the change is not otherwise the subject of an application for approval under the Regulations or this permit:

- (a) Natural Resources Wales shall be notified at least 14 days before making the change; and
- (b) the notification shall contain a description of the proposed change in operation.

4.4 Interpretation

4.4.1 In this permit the expressions listed in schedule 6 shall have the meaning given in that schedule.

4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made "without delay", in which case it may be provided by telephone.

Schedule 1 - Operations

Table S1.1 activities

| Activity reference | Description of activities for waste operations | Limits of activities |
|---|--|---|
| A1 – Inert and non-hazardous household, commercial and industrial waste transfer station with treatment | R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced) | All non-hazardous waste must be stored and treated on an impermeable surface with sealed drainage. All inert waste must be stored and treated on hardstanding or on an impermeable surface with sealed drainage. |
| | R3: Recycling/reclamation of organic substances which are not used as solvents | Treatment operations shall be limited to manual and/or mechanical: <ul style="list-style-type: none"> – sorting and/or separation – screening – crushing – chipping – shredding – blending; and – bulking-up of permitted waste for the purpose of recovery. |
| | R4: Recycling/reclamation of metals and metal compound | |
| | R5: Recycling/reclamation of other inorganic compounds | The maximum quantity of metal waste that can be treated in shredders for recovery or a mix of recovery and disposal in total at the site shall not exceed 75 tonnes per day |
| | D9 Physico-chemical treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D12 (e.g. evaporation, drying, calcination, etc.) | There shall be no treatment of used disposable nappies (20 01 99) other than bulking up for onward transfer. Waste types as specified in Table S2.1 |
| | D15 Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where the waste is produced) | |

Table continued overleaf...

Table S1.1 activities

| | | |
|--|---|--|
| <p>A2 – Open windrow composting</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>R3: Recycling/reclamation of organic substances which are not used as solvents</p> | <p>All waste must be stored and treated on an impermeable surface with sealed drainage.</p> <p>Physical treatment, composting and maturation of the types of waste listed in table S2.2.</p> <p>Physical treatment consisting only of:</p> <ul style="list-style-type: none"> – composting – maturation – manual separation – sorting – shredding – screening – bagging <p>of the types of waste for the purpose of recovery.</p> <p>The storage, physical treatment and composting of wastes under anaerobic conditions shall be prevented.</p> <p>Each composting batch shall undergo an identifiable sanitisation and stabilisation stage.</p> <p>The total quantities of wastes undergoing biological treatment at the whole site shall not exceed 75 tonnes per day.</p> |
| <p>A3 – Street sweeping processing</p> | <p>D9 Physico-chemical treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D12 (e.g. evaporation, drying, calcination, etc.)</p> <p>D15 Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where the waste is produced)</p> | <p>All waste must be stored and treated on an impermeable surface with sealed drainage.</p> <p>Treatment operations shall be limited to:</p> <ul style="list-style-type: none"> - de-watering of street cleaning residues via gravity - screening of dewatered residues only - separating of dewatered residues only <p>Wastes from EWC code 19 02 99 may only be included in the composting process that produces Compost Like Output (CLO) and must not be included in any other composting process or the output composted material as detailed in A2 above.</p> <p>Compost Like Output (CLO) must be subject to aerobic composting.</p> <p>Waste types as specified in Table S2.3</p> <p style="text-align: right;"><i>Table continued overleaf...</i></p> |

Table S1.1 activities

| | | |
|---|---|--|
| A4 – Heat treatment facility | R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced) | Treatment consisting only of drying of permitted wastes using heat for the purpose of recovery only. Waste shall be stored and treated within a building, on an impermeable surface with a sealed drainage system. |
| | R3: Recycling/ reclamation of organic substances which are not used as solvents | The treatment of wastes for the purpose of recovery or a mix of recovery and disposal of non-hazardous waste at the site shall be limited to 75 tonnes per day in total, for the pre-treatment of waste for incineration or co-incineration. |
| | R4: Recycling/reclamation of metals and metal compound | Waste types as set out in Table 2.4 |
| | R5: Recycling/reclamation of other inorganic compounds | |
| Discharge of site drainage from hardstanding areas of the site, to: <ul style="list-style-type: none"> - ground/surface water via soakaway, and - Nant Muchydd River via French drain and settlement pond at the location shown in the plan in S1.2 (document reference 697-61D). | | Drainage consisting solely of clean, rainfall dependant drainage from hardstanding areas of the site used in connection with the storage and/or treatment of permitted waste only Discharge of site drainage shall be controlled though condition 3.1 and the provision of appropriate measures as set out in relevant management plans. No visible oil, grease or suspended solids shall be present in the discharge. |
| Discharge of site drainage from areas of impermeable surface with sealed drainage to storage lagoon prior to being tankered off site for disposal | | Drainage consisting solely of clean, rainfall dependant drainage from impermeable surface areas of the site used in connection with the storage and/or treatment of permitted waste only. |

Table S1.2 Operating techniques

| Description | Parts | Date Received |
|--|---|---------------|
| Technical guidance note 'How to comply with your environmental permit'. | All | N/A |
| Sector Guidance Note IPPC S5.06: Guidance for the Recovery and Disposal of Hazardous and Non-Hazardous Waste | All sections relating to the storage and treatment of non-hazardous waste. | N/A |
| Additional information | Incident response plan (document reference 697_15, dated 28 June 2015) | 27/07/15 |
| | Environmental Permitting Site Area of Inert Recycling Facility (document reference 697-61D) | 15/09/15 |

Table S1.2 Operating techniques

| | | |
|---|--|----------|
| | Revised environment management system (dated 01 November 2015, document reference 697_12_D), sections: <ul style="list-style-type: none"> - 2.3 Site engineering - 2.4. Waste acceptance, quantities and storage - 4 Fire prevention plan - 4.1 Introduction - 4.2 Fire risk assessment - 4.3 Preventing fires - 4.4 Self combustion - 4.5 Turning of stacks - 4.6 Detecting and suppressing fires - 5.1 Breakdowns and spillages - 5.2 Drums and other containers - 11 Emissions and monitoring - 11.1 General measures - 11.2 Odour - 11.3 Noise and vibration - 11.7 Control and monitoring of dust | 04/11/15 |
| The Composting Industry Code of Practice (AfOR) | All | N/A |
| Industry guide for prevention and control of odours at biowaste processing facilities (AfOR) | All | N/A |
| Quality Protocol for Composting (WRAP & Environment Agency) | All | N/A |
| Background bioaerosol data to support site specific bioaerosol risk assessment February 2017 incorporated under AB3092FR/V004 | All | 23/05/17 |
| M9- Environmental monitoring of bioaerosols at regulated facilities January 2018 – Version 2 | All | N/A |
| Odour management plan (OMP) incorporated under AB3092FR/V004 | <ul style="list-style-type: none"> - Waste inputs - Odour emissions monitoring - Managing and mitigation of odour - Stock monitoring - Additional measures - Corrective actions from confirmed odour identification - Odour prevention and dispersal | 23/05/17 |
| Fire prevention and mitigation plan (FPMP) – incorporated under AB3092FR/V004 | All | 28/06/17 |
| Fire prevention and mitigation plan guidance | All | N/A |
| EMS – new activities incorporated under AB3092FR/V004 | <ul style="list-style-type: none"> - IED requirements - Site Infrastructure - Operational Procedures - Addition of new EWC codes | 23/05/17 |
| Odour Management plan: LRC_OMP_Sept_18 | <ul style="list-style-type: none"> - Waste inputs - Odour emission monitoring - Management and mitigation of odour - Stock monitoring - Additional measures - Corrective actions from confirmed odour identification - Odour prevention and dispersal | 15/10/18 |

Table S1.2 Operating techniques

| | | |
|--|--|--------------------|
| Environment Management System: LRC_EMS_new activities_Sept_18 | <ul style="list-style-type: none"> - Site infrastructure - Operational Procedures - Accident management | 15/10/18 |
| Fire prevention and mitigation plan LRC_FPMP_Sept_18v2 | All | 09/01/19 |
| Fire prevention and mitigation plan supplementary information in response to the schedule 5 notice | All | 04/03/19 |
| Fire prevention and mitigation plan for Open Windrow composting. | All relevant sections | In line with IPC 1 |
| SSBRA [Site specific bioaerosol risk assessment] Llantrisant Recycling 30-09-20 | All | 30/09/20 |
| LRC_FPMP_June 2021v2 | All | 23/06/21 |
| Odour Management Plan March 2021 | All relevant sections | 26/03/21 |
| Environment Management System- LRC_EMS_new activities_May 2021 | <ul style="list-style-type: none"> - Product storage - Treatment Procedures - Tonnage increases - Emissions and monitoring | 12/05/21 |

Schedule 2 - Waste types, raw materials and fuels

Table S2.1 Permitted waste types and quantities for inert and non-hazardous waste household, commercial and industrial transfer station with treatment

| | |
|-------------------------|--|
| Maximum quantity | The maximum quantity of waste to be accepted on site shall not exceed 350,000 tonnes per year. |
| Exclusions | Notwithstanding the waste types set out in this table, wastes having any of the following characteristics shall not be accepted: <ul style="list-style-type: none"> • Consisting solely or mainly of dusts, powders or loose fibres • Wastes that are in a form which is either sludge or liquid • Wastes consisting of or contaminated with Japanese Knotweed or other invasive species • Wastes consisting of or contaminated with materials or substances which may pollute surface and/or groundwater and land |
| Waste code | Description |
| 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 04 | metallic packaging |
| 15 01 05 | composite packaging |
| 15 01 06 | mixed packaging |
| 15 01 07 | glass packaging |
| 15 01 09 | textile packaging |
| 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 07 | mixed metals |
| 17 05 | soil (including excavated soil from contaminated sites), stones and dredging spoil |
| 17 05 04 | soil and stones other than those mentioned in 17 05 03 |
| 17 05 08 | track ballast other than those mentioned in 17 05 07 |
| 17 08 | gypsum-based construction material |
| 17 08 02 | gypsum-based construction materials other than those mentioned in 17 08 01 |
| 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 | WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE |

Table S2.1 Permitted waste types and quantities for inert and non-hazardous waste household, commercial and industrial transfer station with treatment

| | |
|-------------------------|---|
| Maximum quantity | The maximum quantity of waste to be accepted on site shall not exceed 350,000 tonnes per year. |
| Exclusions | <p>Notwithstanding the waste types set out in this table, wastes having any of the following characteristics shall not be accepted:</p> <ul style="list-style-type: none"> • Consisting solely or mainly of dusts, powders or loose fibres • Wastes that are in a form which is either sludge or liquid • Wastes consisting of or contaminated with Japanese Knotweed or other invasive species • Wastes consisting of or contaminated with materials or substances which may pollute surface and/or groundwater and land |
| Waste code | Description |
| 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 12 | other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11 |
| 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 08 | biodegradable kitchen and canteen waste |
| 20 01 10 | clothes |
| 20 01 11 | textiles |
| 20 01 38 | wood other than that mentioned in 20 01 37 |
| 20 01 39 | plastics |
| 20 01 40 | metals |
| 20 01 99 | other fractions not otherwise specified (consisting of used disposable nappies only) |
| 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 waste |
| 20 03 07 | bulky waste |

Table S2.2 Permitted waste types and quantities for open windrow composting

| | |
|-------------------------|---|
| Maximum quantity | The maximum quantity of waste to be accepted at the whole site shall not exceed 350,000 tonnes per year. |
| Exclusions | Notwithstanding the waste types set out in this table, wastes having any of the following characteristics shall not be accepted: <ul style="list-style-type: none"> • Catering waste and other wastes containing animal by products covered by the Animal By-Products Regulations; • Wastes consisting solely or mainly of dusts (except sawdust), powders or loose fibres • Hazardous wastes • Wastes containing treated wood • Wastes containing wood-preserving agents or other biocides • Wastes containing persistent organic pollutants • Wastes containing Japanese Knotweed • Wastes that are in a form of liquid |
| 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 07 | wastes from forestry (comprising wood and plant tissue) |
| 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 |
| 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 03 | wooden packaging (untreated) |
| 17 | CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES) |
| 17 02 | wood, glass and plastic |
| 17 02 01 | Wood (untreated) |
| 17 05 | soil (including excavated soil from contaminated sites), stones and dredging spoil |
| 17 05 06 | dredging spoil other than those mentioned in 17 05 05 |
| 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 (biodegradable green waste only) |
| 19 | WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE |
| 19 02 | wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation) |
| 19 02 99 | wastes not otherwise specified (consisting only of post treatment organic fraction from 20 03 03) |
| 19 05 | wastes from aerobic treatment of solid wastes |
| 19 05 03 | off-specification compost |
| 19 05 99 | wastes not otherwise specified – (compost leachate only) |
| 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 38 | wood other than that mentioned in 20 01 37 (untreated) |
| 20 02 | garden and park wastes (including cemetery waste) |
| 20 02 01 | biodegradable waste (green waste only) |
| 20 03 | other municipal wastes |
| 20 03 01 | mixed municipal waste – (green waste only) |

| Table S2.3 Permitted waste types and quantities for street sweeping | |
|--|--|
| Maximum quantity | The maximum quantity of waste to be accepted at the whole site shall not exceed 350,000 tonnes per year. |
| Exclusions | Notwithstanding the waste types set out in this table, wastes having any of the following characteristics shall not be accepted: <ul style="list-style-type: none"> • Hazardous wastes • Wastes that are in a form of liquid |
| Waste code | Description |
| 19 | WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE |
| 19 02 | wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation) |
| 19 02 99 | wastes not otherwise specified (consisting only of post treatment organic fraction from 20 03 03) |
| 20 03 03 | street-cleaning residues |

| Table S2.4 Permitted waste types and quantities for heat treatment facility and waste to be dried. | |
|---|---|
| Maximum quantity | The maximum quantity of waste to be accepted at the whole site shall not exceed 350,000 tonnes per year. |
| Exclusions | Notwithstanding the waste types set out in this table, wastes having any of the following characteristics shall not be accepted: <ul style="list-style-type: none"> • consisting solely or mainly of dusts, powders or loose fibres • sludges • odorous or odour producing • hazardous wastes |
| Waste code | Description |
| 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 04 | metallic packaging |
| 15 01 05 | composite packaging |
| 15 01 06 | mixed packaging |
| 15 01 07 | glass packaging |
| 15 01 09 | textile packaging |
| 17 02 | wood, glass and plastic |
| 17 02 02 | glass |
| 17 02 03 | plastic |
| 19 | WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE |
| 19 05 | wastes from aerobic treatment of solid wastes |
| 19 05 03 | off-specification compost |
| 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 08 | textiles |

| | |
|--------------|--|
| 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 39 | plastics |
| 20 01 40 | metals |
| 20 03 | other municipal wastes |
| 20 03 07 | bulky waste |

Schedule 3 – Emissions and monitoring

Table S3.1 Process monitoring requirements

| Monitoring point | Substance or parameter | Monitoring frequency | Monitoring method | Other specifications |
|--|------------------------|----------------------|---------------------------------------|--|
| Internal for each windrow and for any sample of waste or compost | Temperature | None specified | Thermocouple probe | Monitoring equipment shall be available on-site and used as required to ensure compliance with this permit. Equipment shall be calibrated on a 4 monthly basis or as agreed in writing by Natural Resources Wales. |
| | Moisture | None specified | Moisture meter or moisture touch test | |

Table S3.2 Bioaerosol monitoring requirements

| Location or description of point of measurement | Parameter | Bioaerosol threshold limits CFU m ⁻³ | Monitoring frequency | Monitoring standard or method | Other specifications |
|---|----------------|---|----------------------|---|--|
| Bioaerosols shall be monitored: - upwind of the operational area and - downwind of the operational area; in accordance with "M9 – Technical Guidance Note (Monitoring) – Environmental monitoring of bioaerosols at regulated facilities, 2018 Version 2". | Total bacteria | 1000 | Quarterly | In accordance with "M9 – Technical Guidance Note (Monitoring) – Environmental monitoring of bioaerosols at regulated facilities, 2018 Version 2" unless otherwise agreed in writing by Natural Resources Wales. | As described M9 Technical Guidance Note, including all the additional data requirements specified therein. |
| | Aspergillus | 500 | | | |
| | Fumigatus | | | | |

Schedule 4 - Reporting

Parameters, for which reports shall be made, in accordance with conditions of this permit, are listed below.

Table S4.1 Reporting of monitoring data

| Parameter | Emission or monitoring point/reference | Reporting period | Period begins |
|---|--|---|-------------------------------|
| Bioaerosol monitoring as required by condition 3.7.1(c) | In accordance with M9 – Technical Guidance Note. | Every 4 months or as agreed in writing by Natural Resources Wales | 1 January, 1 May, 1 September |

Table S4.2 Reporting forms

| Media/parameter | Reporting format |
|-----------------------|--|
| Bioaerosol monitoring | As specified in the "M9 – Technical Guidance Note (Monitoring) – Environmental monitoring of bioaerosols at regulated facilities, 2018 Version 2", or other form as agreed in writing by Natural Resources Wales |

Schedule 5 - Notification

These pages outline the information that the operator must provide.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the EP Regulations.

Part A

| | |
|--------------------------------|--|
| Permit Number | |
| Name of operator | |
| Location of Facility | |
| Time and date of the detection | |

(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution

To be notified within 24 hours of detection

| | |
|--|--|
| Date and time of the event | |
| Reference or description of the location of the event | |
| Description of where any release into the environment took place | |
| Substances(s) potentially released | |
| Best estimate of the quantity or rate of release of substances | |
| Measures taken, or intended to be taken, to stop any emission | |
| Description of the failure or accident. | |

(b) Notification requirements for the breach of a limit

To be notified within 24 hours of detection unless otherwise specified below

| | |
|---|--|
| Emission point reference/ source | |
| Parameter(s) | |
| Limit | |
| Measured value and uncertainty | |
| Date and time of monitoring | |
| Measures taken, or intended to be taken, to stop the emission | |

| Time periods for notification following detection of a breach of a limit | |
|--|---------------------|
| Parameter | Notification period |
| | |
| | |
| | |

| (c) Notification requirements for the detection of any significant adverse environmental effect | |
|---|--|
| To be notified within 24 hours of detection | |
| Description of where the effect on the environment was detected | |
| Substances(s) detected | |
| Concentrations of substances detected | |
| Date of monitoring/sampling | |

Part B - to be submitted as soon as practicable

| | |
|--|--|
| Any more accurate information on the matters for notification under Part A. | |
| Measures taken, or intended to be taken, to prevent a recurrence of the incident | |
| Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission | |
| The dates of any unauthorised emissions from the facility in the preceding 24 months. | |

| | |
|------------------|--|
| Name* | |
| Post | |
| Signature | |
| Date | |

* authorised to sign on behalf of the operator

Schedule 6 - Interpretation

“accident” means an accident that may result in pollution.

“Annex I” means Annex I to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“Annex II” means Annex II to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“application” means the application for this permit, together with any additional information supplied by the operator as part of the application and any response to a notice served under Schedule 5 to the EP Regulations.

“authorised officer” means any person authorised by Natural Resources Wales under section 108(1) of The Environment Act 1995 to exercise, in accordance with the terms of any such authorisation, any power specified in section 108(4) of that Act.

“bioaerosol threshold limits” means the maximum acceptable bioaerosol concentrations at the nearest sensitive receptor, or at an equivalent distance downwind of the composting operations, which are attributable to the composting operations. The maximum acceptable concentrations are respectively 1000 and 500 CFU m⁻³ for total bacteria and *Aspergillus fumigatus*.

“building” means a construction that has the objective of providing sheltering cover and minimising emissions of noise, particulate matter, odour and litter.

“compost” means solid particulate material that is the result of composting, which has been *sanitised* and *stabilised*, and which confers beneficial effects when added to soil, used as a component of growing media or used in another way in conjunction with plants.

“composting” means the biological decomposition of organic materials, under conditions that are predominantly aerobic and that allow the development of thermophilic temperatures as a result of biologically produced heat.

“D” means a disposal operation provided for in Annex I to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“emissions to land” includes emissions to groundwater.

“emissions of substances not controlled by emission limits” means emissions of substances to air, water or land from the activities, either from the emission points specified in schedule 3 or from other localised or diffuse sources, which are not controlled by an emission or background concentration limit.

“EP Regulations” means The Environmental Permitting (England and Wales) Regulations SI 2016 No.1154 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

“groundwater” means all water, which is below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil.

“hazardous waste” has the meaning given in the Hazardous Waste (Wales) Regulations 2005 (as amended).

“impermeable surface” means a surface or pavement constructed and maintained to a standard sufficient to prevent the transmission of liquids beyond the surface.

“maturation” means a stage when by agitating and turning the compost it no longer results in reheating and the monitored temperature falls to ambient without the compost being too dry or anaerobic. Phytotoxins that are formed during the 'active' composting phase are metabolised by micro-organisms, which will result in the final material not being harmful to plants. This usually coincides with drop in pH toward neutral, and the conversion of ammonia into nitrates and recolonisation of beneficial micro-organisms. The maturation phase may need active management by turning to prevent the material becoming anaerobic.

“MCERTS” means the Environment Agency's Monitoring Certification Scheme.

“nearest sensitive receptor” means the nearest place to the permitted activities where people are likely to be for prolonged periods. This term would therefore apply to dwellings (including any associated gardens) and to many types of workplace. We would not normally regard a place where people are likely to be present for less than 6 hours at one time as being a sensitive receptor. The term does not apply to those controlling the permitted facility, their staff when they are at work or to visitors to the facility as their health is covered by Health and Safety at Work legislation. NB The term would apply to dwellings occupied by the family of those controlling the permitted facility

“Pests” means Birds, Vermin and Insects.

“quarter” means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

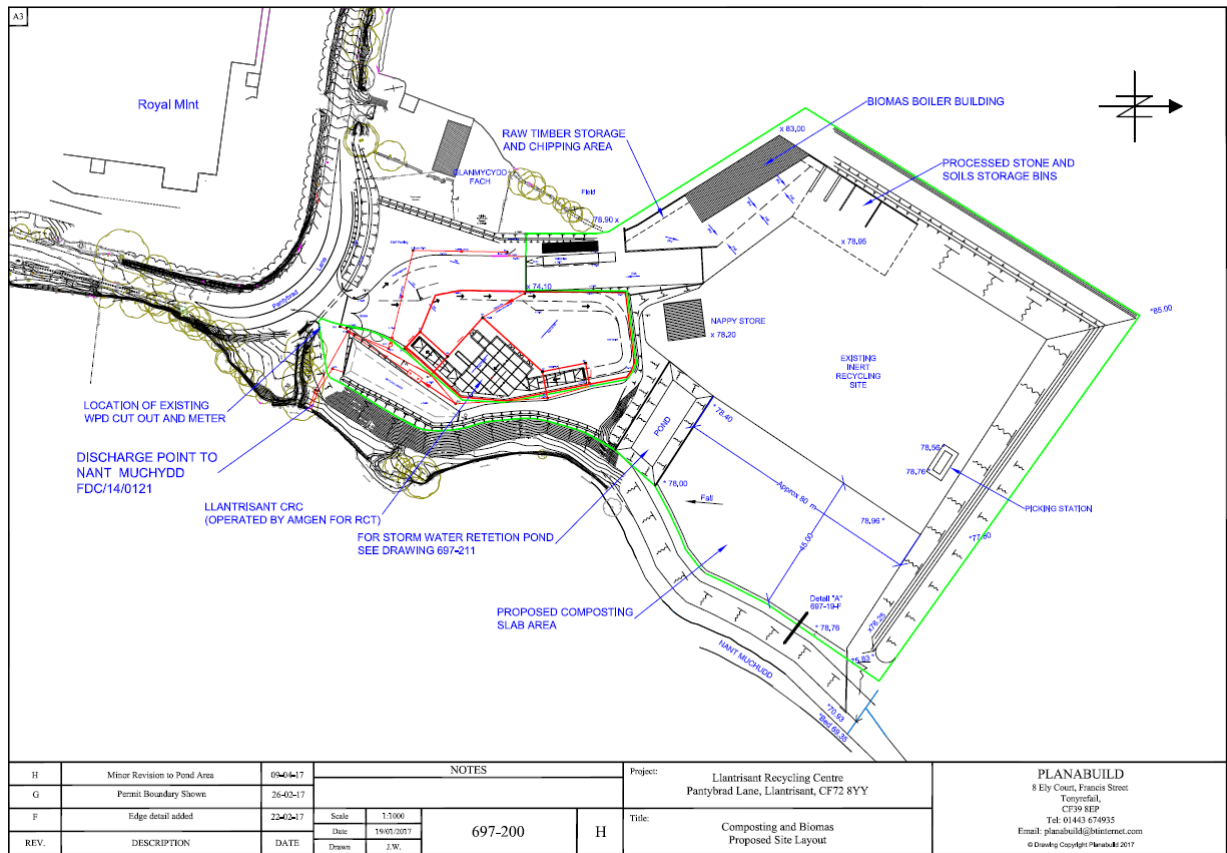
“R” means a recovery operation provided for in Annex II to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“Waste code” means the six digit code referable to a type of waste in accordance with the list of wastes established by Commission Decision 2000/532/EC as amended from time to time (the ‘List of Wastes Decision’) and in relation to hazardous waste, includes the asterisk.

“Waste Framework Directive” or “WFD” means Waste Framework Directive 2008/98/EC of the European Parliament and of the Council on waste.

“year” means calendar year ending 31 December.

Schedule 7 - Site plan



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END OF PERMIT