

Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

Webs Limited

Phase 1 Effluent Treatment Plant
Nantycaws Landfill Site
Llanddarog Road
Carmarthen
SA32 8BG

Permit number
EPR/PP3338CQ

Phase 1 Effluent Treatment Plant, Nantycaws Landfill Site

Permit number EPR/PP3338CQ

Introductory note

This introductory note does not form a part of the permit

The main features of the permit are as follows.

The Phase 1 Effluent Treatment Plant will treat leachate from the closed phase of NantyCaws Landfill Site. The original effluent treatment plant has been redesigned and will be upgraded to comprise a Submerged Aerobic Filter system, which will be regulated by the Environmental Permit.

Leachate will be initially aerated in an underground tank, using a blower coupled to fine bubble diffusers, to remove iron. The leachate will then be transferred to a settlement tank to settle out suspended solids, which will be periodically removed from the tank and disposed of in the active phase of the Nantycaws Landfill Site or other appropriately licensed facility, before being passed to the Submerged Aerobic Filter tanks (SAF tanks). The SAF tanks will each be aerated by a grid of fine bubble diffusers mounted on the base of the tank, coupled to an air blower. The tanks will be packed with plastic media to provide a high surface area for micro-organisms to grow and nitrify the leachate, thereby reducing the ammonium concentration and making the effluent suitable for discharge to the Afon Bantwen. The discharge will be monitored on a twice per week basis and a sample will be analysed on a monthly basis by an independent laboratory to ensure it meets the requirements of the Environmental Permit and does not cause pollution of the Afon Bantwen.

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
Application EPR/PP3338CQ	Duly made 25/04/12	Application for leachate treatment plant.
Schedule 5 Notice requiring provision of additional information	25/04/12	Additional information required on operating techniques, monitoring regime, leachate analysis results, Habitats Risk Assessment, Technical Competence etc
Partial Response to Schedule 5 Notice	09/05/2012	Additional information received on operating techniques, monitoring regime, leachate analysis results

Status log of the permit		
Description	Date	Comments
Requirement for further additional information	22/05/2012	Reconfirm that additional information required on Habitats Risk Assessment and Technical Competence
Additional information received	09/08/2012	Habitats Risk Assessment, Rev 1 (dated 3 August 2012)
Requirement for further additional information	04/09/2012	Clarification of dilution rate used in the Habitats Risk Assessment
Additional information received	10/09/2012	Habitats Risk Assessment, Rev 2 (dated 10 September 2012)
Response to Schedule 5 Notice	11/09/2012	Site Condition Report
Response to Schedule 5 Notice	14/09/2012	Proof of SPOC registration
Response to request for additional information	20/09/2012	Details of pollution prevention measures at tankering
Permit determined	28/09/2012	Permit issued to Webs Limited

End of introductory note

Permit

The Environmental Permitting (England and Wales) Regulations 2010

Permit number
EPR/PP3338CQ

The Environment Agency hereby authorises, under regulation 13 of the Environmental Permitting (England and Wales) Regulations 2010

Webs Limited ("the operator"),

whose registered office is

26 South Saint Mary's Gate

Grimsby

South Humberside

DN31 1LW

company registration number **3267938**

to operate an installation at

Phase 1 Effluent Treatment Plant

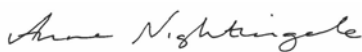
Nantycaws Landfill Site

Llanddarog Road

Carmarthen

SA32 8BG

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

Name	Date
	28/09/2012

Anne Nightingale

Authorised on behalf of the Environment Agency

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 Energy efficiency

- 1.2.1 The operator shall:
- (a) take appropriate measures to ensure that energy is used efficiently in the activities;
 - (b) review and record at least every four years whether there are suitable opportunities to improve the energy efficiency of the activities; and
 - (c) take any further appropriate measures identified by a review.

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

- 1.3.1 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.
- 1.3.2 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”).
- 2.1.2 Waste authorised by this permit shall be clearly distinguished from any other waste on the site.

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

- 2.3.3 Waste shall only be accepted if:
- (a) it is of a type and quantity listed in schedule 2 table S2.1; and
 - (b) it conforms to the description in the documentation supplied by the producer and holder.
- 2.3.4 The operator shall ensure that where waste produced by the activities is sent to a relevant waste operation, that operation is provided with the following information, prior to the receipt of the waste:
- (a) the nature of the process producing the waste;
 - (b) the composition of the waste;
 - (c) the handling requirements of the waste;
 - (d) the hazardous property associated with the waste, if applicable; and
 - (e) the waste code of the waste.
- 2.3.5 The operator shall ensure that where waste produced by the activities is sent to a landfill site, it meets the waste acceptance criteria for that landfill.

2.4 Improvement programme

- 2.4.1 The operator shall complete the improvements specified in schedule 1 table S1.3 by the date specified in that table unless otherwise agreed in writing by the Environment Agency.
- 2.4.2 Except in the case of an improvement which consists only of a submission to the Environment Agency, the operator shall notify the Environment Agency within 14 days of completion of each improvement.

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 table S3.1.
- 3.1.2 The limits given in schedule 3 shall not be exceeded.
- 3.1.3 Total annual emissions from the emission point(s) set out in table schedule 3 S3.1, of a substance listed in schedule 3 table S3.2 shall not exceed the relevant limit in table S3.2.

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 the Environment Agency that the activities are giving rise to pollution, submit to the Environment Agency for approval within the period specified, an emissions management plan;
 - (b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 3.2.3 All liquids in containers, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.

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 the Environment Agency, 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.
- 3.3.2 The operator shall:
 - (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to odour, submit to the Environment Agency for approval within the period specified, an odour management plan;
 - (b) implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

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 the Environment Agency, 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 the Environment Agency that the activities are giving rise to pollution outside the site due to noise and vibration, submit to the Environment Agency for approval within the period specified, a noise and vibration management plan;
 - (b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.5 Monitoring

- 3.5.1 The operator shall, unless otherwise agreed in writing by the Environment Agency, undertake the monitoring specified in the following table in schedule 3 to this permit:
 - (a) point source emissions specified in table S3.1;
- 3.5.2 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.

- 3.5.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.5.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by the Environment Agency.
- 3.5.4 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 table S3.1 unless otherwise agreed in writing by the Environment Agency.

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 the Environment Agency, 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 the Environment Agency.

4.2 Reporting

- 4.2.1 The operator shall send all reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.
- 4.2.2 A report or reports on the performance of the activities over the previous year shall be submitted to the Environment Agency by 31 January (or other date agreed in writing by the Environment Agency) each year. The report(s) shall include as a minimum:
- (a) a review of the results of the monitoring and assessment carried out in accordance with the permit including an interpretive review of that data; and
 - (b) the performance parameters set out in schedule 4 table S4.2 using the forms specified in table S4.3 of that schedule.
- 4.2.3 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the Environment Agency, 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 S4.3; and
 - (c) giving the information from such results and assessments as may be required by the forms specified in those tables.
- 4.2.4 The operator shall, unless notice under this condition has been served within the preceding four years, submit to the Environment Agency, within six months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution.
- 4.2.5 Within 1 month of the end of each quarter, the operator shall submit to the Environment Agency 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.

4.3 Notifications

- 4.3.1 The Environment Agency 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 the Environment Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Environment Agency when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to the Environment Agency at least 14 days before the date the monitoring is to be undertaken.
- 4.3.4 The Environment Agency 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) the Environment Agency 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.
- 4.3.6 The Environment Agency shall be given at least 14 days notice before implementation of any part of the site closure plan.
- 4.3.7 Where the operator has entered into a climate change agreement with the Government, the Environment Agency shall be notified within one month of:
- (a) a decision by the Secretary of State not to re-certify the agreement;
 - (b) a decision by either the operator or the Secretary of State to terminate the agreement; and
 - (c) any subsequent decision by the Secretary of State to re-certify such an agreement.

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 listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
Section 5.3, Part A(1)(c)(i), Biological treatment	Storage and treatment of leachate in a facility with a capacity of >50 Tonnes/ day (D8 – Biological treatment of waste)	Leachate arising from the closed part of Nantycaws Landfill.
Directly Associated Activity		
Water discharges to controlled waters.	Discharges of treated leachate from the leachate treatment plant.	From leachate treatment plant to point of entry to controlled waters.

Table S1.2 Operating techniques

Description	Parts	Date Received
Application	Annex 3b 'Nantycaws Lagoon Level Control Diagram', Annex 3c 'Nantycaws V-Notch Detail', and Annex 6b' Daily Check Sheet' of the application document	22/02/12
Application	Annex 6a 'Leachate Treatment Plant Report (revised issue 2, dated 12 April 2012)'	17/04/12
Response to Schedule 5 Notice dated 25/04/12	Response to Schedule 5 Notice 'Nant y Caws Landfill Site' (dated 9 May 2012) and Drawing Nos C3158-00, Rev B (Nantycaws Leachate Treatment Plant General Layout), C3158-01, Rev A (Nantycaws Leachate Treatment Plant Below Ground Tanks), C3158-02, Rev B (Nantycaws Leachate Treatment Plant Base Pad Details)	09/05/12
Response to query dated 20/09/12	Pollution prevention measures associated with tankering	20/09/12

Table S1.3 Improvement programme requirements

Reference	Requirement	Date
IC1	The operator shall install a flow proportional sampler at the discharge point to Afon Bantwen sufficient to undertake flow-proportional sampling in accordance with the Environment Agency's Technical Guidance Note M18 (May 2012).	9 months from date of permit issue
IC2	The operator shall that a permanent impervious and suitably bunded area is constructed for the reception of road tankers for the transfer of leachate. The operator shall ensure that the bunding shall fully enclose any area in which spillage may occur during loading / offloading. The bund shall be constructed in a manner that will permit any spillage to be immediately intercepted and held safely until measures are implemented in accordance with emergency planning provisions.	9 months from date of permit issue
IC3	<p>The operator shall provide a written report demonstrating that installed engineered containment systems meet the following criteria:</p> <ol style="list-style-type: none"> 1. All bunded areas have a capacity at least 110% of the largest vessel or 25% of the total tankage volume, whichever is the greater. 2. All connections and fill points should be within the bunded area and no pipework penetrates the bund wall. 3. The integrity of the lining systems installed within the lagoons are free from damage that may affect their integrity. <p>Should the report identify that any of the criteria are not met, an action plan to ensure compliance with the above criteria shall also be provided.</p>	One month from date of permit issue.

Schedule 2 - Waste types, raw materials and fuels

Table S2.1 Permitted waste types and quantities for effluent treatment plant

Maximum quantity 36,500 m³ per annum

Waste code	Description
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19 07 03	Landfill leachate other than those mentioned in 19 07 02
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Schedule 3 – Emissions and monitoring

Table S3.1 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements

Emission point ref. & location	Parameter	Source	Limit (incl. unit)	Reference Period	Monitoring frequency	Monitoring standard or method
W1 on site plan in schedule 7 emission to Afon Bantwen	Ammonium (N-NH ₄)	Effluent Treatment Plant	4.0 mg/l	Spot Sample until implementation of IC1, thereafter, flow-proportional sample	Twice per week, no two within the same day (on-site test) Once per month (laboratory analysis)	As per the Environment Agency's Technical Guidance M18 – Monitoring of Discharges to Water and Sewer
W1 on site plan in schedule 7 emission to Afon Bantwen	pH	Effluent Treatment Plant	6-9	Spot Sample until implementation of IC1, thereafter, flow-proportional sample	Twice per week, no two within the same day (on-site test) Once per month (laboratory analysis)	As per the Environment Agency's Technical Guidance M18 – Monitoring of Discharges to Water and Sewer
W1 on site plan in schedule 7 emission to Afon Bantwen	Total suspended solids	Effluent Treatment Plant	30 mg/l	Spot Sample until implementation of IC1, thereafter, flow-proportional sample	Once per month (laboratory analysis)	As per the Environment Agency's Technical Guidance M18 – Monitoring of Discharges to Water and Sewer
W1 on site plan in schedule 7 emission to Afon Bantwen	BOD	Effluent Treatment Plant	20 mg/l	Spot Sample until implementation of IC1, thereafter, flow-proportional sample	Once per month (laboratory analysis)	As per the Environment Agency's Technical Guidance M18 – Monitoring of Discharges to Water and Sewer
W1 on site plan in schedule 7 emission to Afon Bantwen	Iron	Effluent Treatment Plant	0.75 mg/l	Spot Sample until implementation of IC1, thereafter, flow-proportional sample	Once per month (laboratory analysis)	As per the Environment Agency's Technical Guidance M18 – Monitoring of Discharges to Water and Sewer

Table S3.1 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements

Emission point ref. & location	Parameter	Source	Limit (incl. unit)	Reference Period	Monitoring frequency	Monitoring standard or method
W1 on site plan in schedule 7 emission to Afon Bantwen	COD	Effluent Treatment Plant	-	Spot Sample until implementation of IC1, thereafter, flow-proportional sample	Once per month (laboratory analysis)	As per the Environment Agency's Technical Guidance M18 – Monitoring of Discharges to Water and Sewer
W1 on site plan in schedule 7 emission to Afon Bantwen	Total daily volume of discharge	Effluent treatment plant	100 m ³ /day	24-hour total	Continuous	MCERTS self-monitoring of effluent flow scheme

Table S3.2 Annual limits

Substance	Medium	Limit (including unit)
Total suspended solids	Water	1,095 kg in a year
Ammonium	Water	146 kg in a year
Iron	Water	28 kg in a year

Schedule 4 - Reporting

Table S4.1 Reporting of monitoring data

Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Emissions to water Parameters as required by condition 3.5.1	W1	Every 6 months	1 January, 1 July

Table S4.2 Performance parameters

Parameter	Frequency of assessment	Units
Energy usage	Annually	MWh

Table S4.3 Reporting forms

Media/parameter	Reporting format	Date of form
Emissions to Water and Land (discharge to watercourse)	Reporting Form Water 1 or as agreed in writing by the Environment Agency	20/09/2012
Energy usage	Reporting Form Energy1 or as agreed in writing by the Environment Agency	20/09/2012

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.

“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 the Environment Agency 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.

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

“EP Regulations” means The Environmental Permitting (England and Wales) Regulations SI 2010 No. 675 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

“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 limit.

“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 property” has the meaning given in Schedule 3 of the Hazardous Waste (England and Wales) Regulations 2005 No. 894 and the Hazardous Waste (Wales) Regulations 2005 No. 1806 (W.138).

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

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

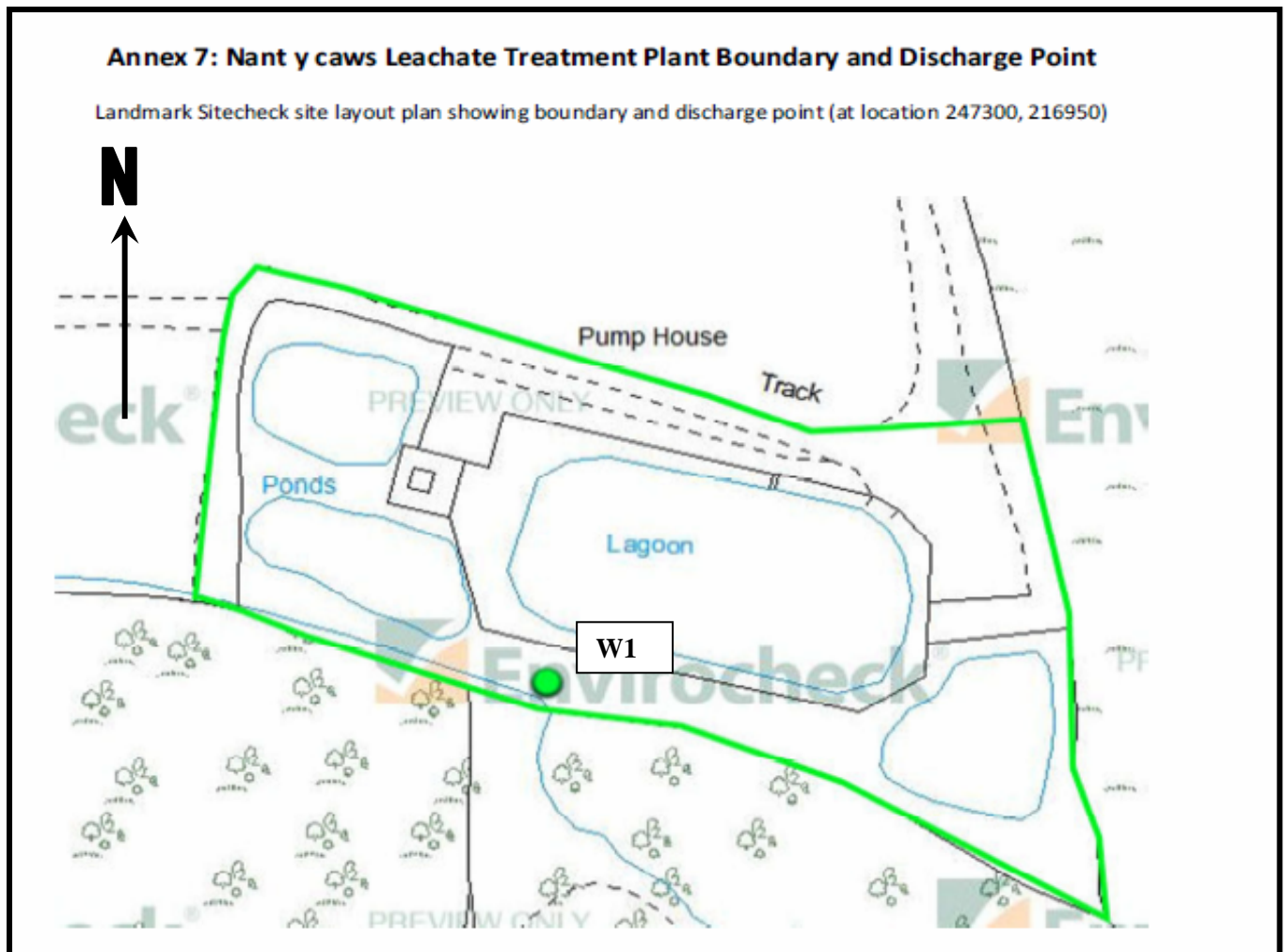
“recovery” means any of the operations provided for in Annex II to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“Waste code” means the six digit code referable to a type of waste in accordance with the List of Wastes (England) Regulations 2005, or List of Wastes (Wales) Regulations 2005, as appropriate, 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

Permit Number: EPR/PP3338CQ

Operator: Webs Limited

Facility: Phase 1 Leachate Treatment Plant, Nantycaws Landfill

Form Number: Water1 / 20/09/2012

Reporting of emissions to water (other than to sewer) and land for the period from DD/MM/YYYY to DD/MM/YYYY

Emission Point	Substance / Parameter	Emission		Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
		Limit Value	Reference Period				
W1	Total suspended solids	30 mg/l	For 95% of all measured values of periodic samples taken over one month		BS EN 872		
W1	Ammonium (N-NH ₄)	4.0 mg/l	Flow proportional sample		BS 6068-2.11		
W1	Total Daily Volume of discharge	100 m ³ /d	24 hour total				
W1	Total Iron	0.75 mg/l	Periodic		BS ISO 17284		
W1	pH	6-9	Flow proportional sample		BS ISO 10523		
W1	COD	-	Periodic		BS 6068-2.34		
W1	BOD	20 mg/l	Periodic		BS EN 1899-1 (1998)		

The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.

Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Environment Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography. For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.

The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed
(Authorised to sign as representative of Operator)

Date.....

Permit Number: **EPR/PP3338CQ**

Operator: **Webs Limited**

Facility: Phase 1 Leachate Treatment Plant, Nantycaws Landfill

Form Number: Energy1 / 20/09/2012

Reporting of Energy Usage for the year 20__

Energy Source	Energy Usage		Specific Usage (MWh/unit output)
	Quantity	Primary Energy (MWh)	
Electricity *	MWh		
TOTAL	-		

*** Conversion factor for delivered electricity to primary energy = 2.4**

Operator's comments :

Signed
(Authorised to sign as representative of Operator)

Date.....