

Notice of variation with introductory note

Environmental Permitting (England & Wales) Regulations 2010

WEBS Limited

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

Variation application number
EPR/PP3338CQ/V002

Permit number
EPR/PP3338CQ

Nantycaws Landfill Site Phase 1 Effluent Treatment Plant

Permit number EPR/PP333CQ

Introductory note

This introductory note does not form a part of the notice

The following notice gives notice of the variation of an environmental permit.

This variation is to allow for an increase in plant capacity with the introduction of a submersible pump in the lagoon to transfer lagoon water to two new SAF plants which are aerated by two blowers. Also, an above ground lamellar plate separator to settle solids from the treated effluent. Treated lagoon water is then discharged back in at the front of the lagoon adjacent to the treatment plant.

The variation also amends the site boundary to correctly reflect site activities with the removal of an area of land which although included in the original permit boundary, has never been used for activities in this permit. The removed area is included in the underlying landfill permit boundary and is therefore more appropriate to be removed from this permit with it remaining in permitted area of the landfill.

Two emission limits relating to emissions to water from W1 are also varied, namely the Total daily volume of discharge and Iron. An improvement condition is also included relating to a requested increase in the emission limit of Ammonium during storm events.

The schedules specify the changes made to the original permit.

The status log of a 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
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)

Status log of the permit		
Description	Date	Comments
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
Variation Application EPR/PP3338CQ/V002	Duly Made	Variation to increase their total daily volume of discharge and increase their iron limit. Also, to increase their treatment capacity by addition of tanks and also amend the permit boundary to correctly reflect the site lay out.
Variation EPR/PP3338CQ/V002 determined	12/04/2016	Variation Issued

End of introductory note

Notice of variation

Environmental Permitting (England and Wales) Regulations 2010

The Natural Resources Body for Wales ("Natural Resources Wales") in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2010 varies

Permit number
EPR/PP3338CQ

issued to:
WEBS Limited ("the operator")

whose registered office is
WEBS Limited
C/O Gardner Leader
23 Queen Street
Maidenhead
Berkshire
England
SL6 1NB

company registration number **03267938**

to operate an installation at
Phase 1 Effluent treatment Plant
Nantycaws Landfill Site
Llanddrog Road
Carmarthen
SA32 8BG

to the extent set out in the schedules.

The notice shall take effect from 12/04/16.

Name

Date

	12 April 2016
---	----------------------

Eirian Macdonald
Authorised on behalf of Natural Resources Wales

Schedule 1 – conditions to be deleted

None

Schedule 2 – conditions to be amended

The following conditions are amended as a result of the application made by the operator

Table S1.2 operating techniques is amended to the following:

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
Report 1 – Proposed changes	All	16/10/14
Report 2 – Permit variation: Environmental Risk Assessment	Excluding section 4	16/10/14
Letter in response to more information needed email - reference 1372lt1	All	21/11/14

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

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 <small>Note 1</small>	Spot 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	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	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	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	3.0 mg/l	Spot 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	COD	Effluent Treatment Plant	-	Spot 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	250 m ³ /day	24-hour total	Continuous	MCERTS self-monitoring of effluent flow scheme

Note 1 – limit may be increased during storm events as agreed in writing with Natural Resources Wales following completion of Improvement Condition IC4.

Form Water1 is amended to the following:

Permit Number: EPR/PP3338CQ**Operator:** Webs Limited**Facility:** Phase 1 Effluent Treatment Plant**Form Number:** Water1/12/04/16

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 Limit Value	Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
W1	Ammonium (N-NH ₄)	4.0 mg/l	Spot Sample		As per the Environment Agency's Technical Guidance M18 – Monitoring of Discharges to Water and Sewer		
W1	pH	6-9	Spot Sample		As per the Environment Agency's Technical Guidance M18 – Monitoring of Discharges to Water and Sewer		
W1	Total suspended solids	30 mg/l	Spot Sample		As per the Environment Agency's Technical Guidance M18 – Monitoring of Discharges to Water and Sewer		
W1	BOD	20 mg/l	Spot Sample		As per the Environment Agency's Technical Guidance M18 – Monitoring of Discharges to Water and Sewer		
W1	Iron	3.0 mg/l	Spot Sample		As per the Environment Agency's Technical Guidance M18 – Monitoring of Discharges to Water and Sewer		

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
W1	COD	-	Spot Sample		As per the Environment Agency's Technical Guidance M18 – Monitoring of Discharges to Water and Sewer		
W1	Total daily volume of discharge	250 m ³ /day	24-hour total		MCERTS self-monitoring of effluent flow scheme		

- [1] 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.
- [2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with Natural Resources Wales is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography.
- [3] 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.
- [4] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed

Date.....

Schedule 3 – conditions to be added

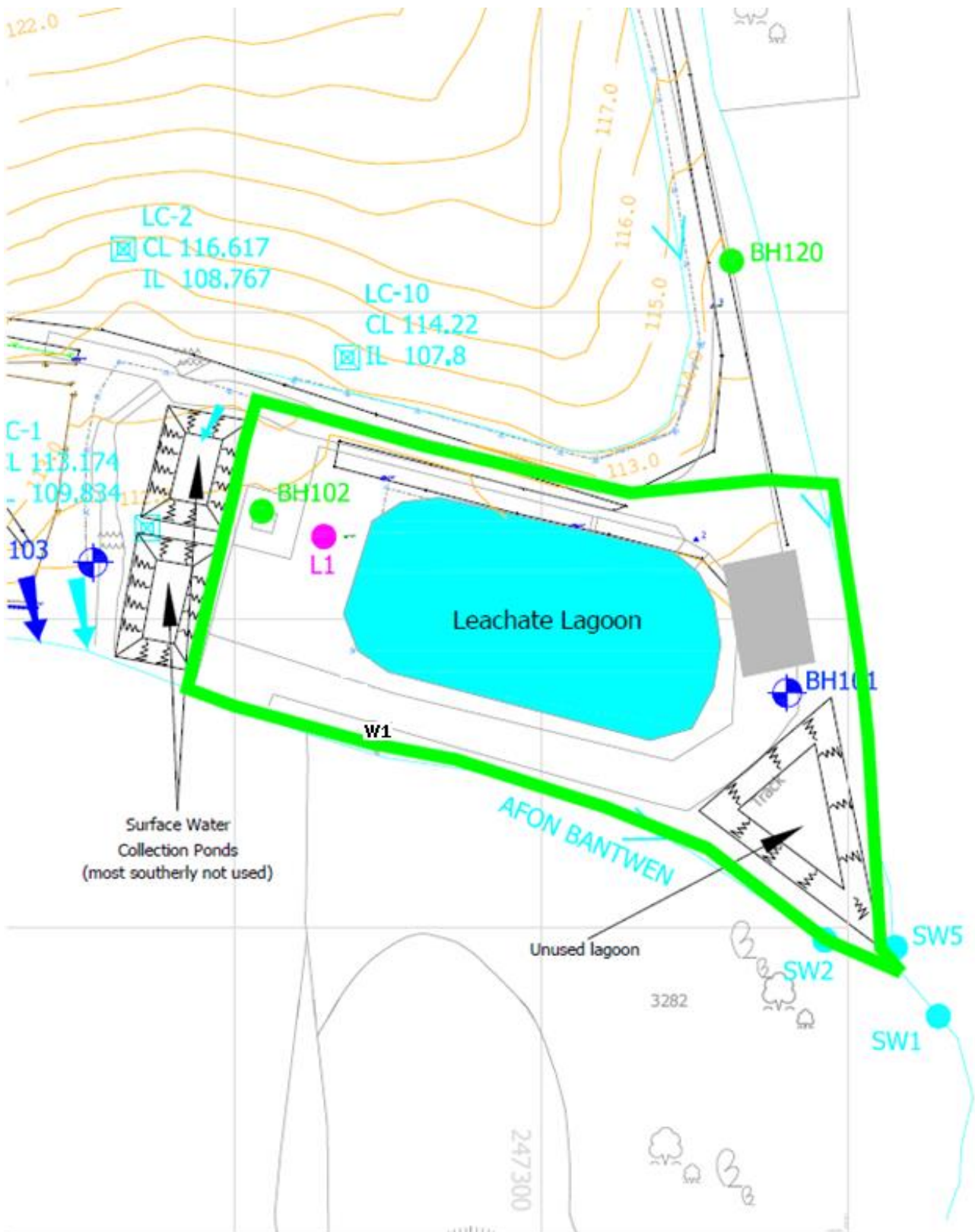
Improvement condition IC4 is added to table S3.1 Improvement programme requirements as follows:

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC4	<p>Regarding the discharge of effluent during a storm event via W1 the operator shall provide the following:</p> <ul style="list-style-type: none">• Details of the expected frequency of storm discharge events based on previous years monitoring.• Based on previous years monitoring, suggest flow rates which could be considered to indicate the start and end of a storm event.• Provide modelling to demonstrate that the requested limits for a storm event would not have a negative impact upon water quality of the receiving water body.• The operator shall design and provide details of a recording system to record the frequency and duration of storm events <p>The above will be submitted in writing to Natural Resources Wales for approval.</p> <p>Once approved the Operator shall define storm events and implement the recording system as agreed.</p>	12/07/16

Schedule 4 – amended plan

Amended plan attached

Amended Site Plan



© Crown Copyright and database right 2014. Ordnance Survey licence number 100019741.