

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Camarthenshire County Council

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

Variation number

EPR/PP3338CQ/V004

Permit number

EPR/PP3338CQ

Nantycaws Landfill Site Phase 1 Effluent Treatment Plant

Permit number EPR/PP3338CQ

Introductory note

This introductory note does not form a part of the notice.

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

This is a permit variation following the publication of the revised Best Available Techniques (BAT) Reference Document (BRef) Waste Treatment. The associated BAT conclusions to this document were published on the 17th August 2018 in the Official Journal of the European Union.

This variation incorporates the changes required by the Industrial Emissions Directive following a statutory review of permits in the Waste Treatment sector. These include the amendment of the wording of several permit conditions relating to notifications, changes to emission limits and monitoring requirements. The interpretation section of the permit has also been updated and the opportunity has been taken to consolidate the original permit and subsequent variations.

We are satisfied that the operator will be compliant with the published BAT conclusions which will apply from 17th August 2022.

The rest of the installation is unchanged and continues to be operated 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 schedules specify the changes made to the permit. Schedule 1 of the notice specifies the conditions that have been varied and Schedule 2 comprises a consolidated permit which reflects the changes being made.

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 25/04/2012	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)
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 layout.
Variation determined EPR/PP3338CQ/V002	12/04/2016	Variation issued.
Application EPR/PP3338CQ/T003	Duly made 02/07/2018	Application to transfer the permit in full to Carmarthenshire County Council
Transfer determined EPR/PP3338CQ/T003	08/08/2018	Full transfer of permit complete
Regulation 61 Notice sent to the Operator	05/04/2019	Issue of a Notice under Regulation 61(1) of the EPR. Natural Resources Wales initiated review and variation to vary the permit following the

		publication of the revised Best Available Techniques (BAT) Reference Document (BRef) for Waste Treatment.
Regulation 61 Notice response	23/10/2019	Response received from the operator.
Additional information received	14/09/2020	Additional response following request for further information
Natural Resources Wales initiated variation determined EPR/PP3338CQ/V004	20/05/2021	Varied and consolidated permit issued

End of introductory note

Notice of variation and consolidation

The Environmental Permitting (England and Wales) Regulations 2016

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 2016 varies and consolidates

Permit number
EPR/PP3338CQ

issued to

Carmarthenshire County Council (“the operator”)

whose principal office is

**County Hall
Carmarthen
SA31 1JP**

to operate **an installation at**

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

to the extent set out in the schedules.

The notice shall take effect from 20/05/2021

Signed

Date

Holly Noble	19/05/2021
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Authorised on behalf of Natural Resources Wales

Schedule 1

All conditions have been varied by the consolidated permit as a result of a Natural Resources Wales initiated variation.

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.