

# **Notice of variation and consolidation with introductory note**

The Environmental Permitting (England & Wales) Regulations 2016

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**Morganite Electrical Carbon Ltd**

**Electrical Carbon, Swansea  
Upper Fforest Way  
Morriston  
Swansea  
West Glamorgan  
SA6 8PP**

Variation number

**EPR/VP3339PD/V014**

Permit number

**EPR/VP3339PD**

# Electrical Carbon, Swansea

## Permit number EPR/VP3339PD

### 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.

Morganite Electrical Carbon Ltd have applied for a normal variation to their existing environmental permit (EPR/VP3339PD). The variation application is for the proposed addition of a new graphitisation furnace, inspection table with dust extraction and a 0.7MWth standby generator fired on diesel.

The variation application also includes the removal of the Long-Metallised Carbon Process and associated emission points, as well as the Theta process and its associated air emission point A10. Overall, 4 new air emission points are being added and 6 existing air emission points are being removed as part of this variation. Emission limits for sulphur dioxide on the three existing kilns have also been tightened as a result of this variation.

It is noted that the only NO<sub>x</sub> release from the three proposed new plant items is from the standby generator. This is scheduled to operate 50 hours per year for testing. As the generator is below 1 MWth, it is not subject to the Medium Combustion Plant Directive. There are no combustion gases associated with the new furnace as it is electrically heated.

A small volume of process effluent generated by the new furnace's wet scrubber is discharged to sewer in accordance with the Operator's existing trade effluent consent granted by Dŵr Cymru Welsh Water. There are no changes to current releases to water associated with this variation.

The variation has been incorporated into a consolidated permit at the request of the Operator.

The schedules specify the changes made to the 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 VP3339PD (EPR/VP3339PD/A001)       | Duly made<br>11/03/2004 |                                 |
| Additional Information Received                | Requested<br>04/08/2004 | Received 27/08/2004, 20/09/2004 |
| Permit determined VP3339PD (EPR/VP3339PD/A001) | 06/05/2005              |                                 |

| <b>Status log of the permit</b>                                                                   |                                 |                                                                                                                                                                       |
|---------------------------------------------------------------------------------------------------|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>                                                                                | <b>Date</b>                     | <b>Comments</b>                                                                                                                                                       |
| Regulation 16 Notice* Application                                                                 | 14/06/2005                      |                                                                                                                                                                       |
| Regulation 16 Notice Determined                                                                   | 05/07/2005                      |                                                                                                                                                                       |
| Variation application EP3533LE (EPR/VP3339PD/V002)                                                | Duly made<br>30/10/2005         |                                                                                                                                                                       |
| Variation determined EP3533LE (EPR/VP3339PD/V002)                                                 | 05/01/2006                      |                                                                                                                                                                       |
| Variation application EP3536LY (EPR/VP3339PD/V003)                                                | Duly made<br>05/06/2006         |                                                                                                                                                                       |
| Variation determined EP3536LY (EPR/VP3339PD/V003)                                                 | 04/09/2006                      |                                                                                                                                                                       |
| Variation application CP3331MX (EPR/VP3339PD/V004)                                                | Duly made<br>21/12/2006         |                                                                                                                                                                       |
| Variation determined CP3331MX (EPR/VP3339PD/V004)                                                 | 04/05/2007                      |                                                                                                                                                                       |
| Variation application EPR/VP3339PD/V005                                                           | Duly Made<br>04/03/2011         |                                                                                                                                                                       |
| Variation determined EPR/VP3339PD/V005                                                            | 17/06/2011                      |                                                                                                                                                                       |
| Agency variation determined EPR/VP3339PD/V006                                                     | 04/03/2013                      | Agency variation to implement the changes introduced by IED                                                                                                           |
| Part Surrender application EPR/VP3339PD/S007                                                      | Duly Made                       | Part surrender of non-process areas of the site                                                                                                                       |
| Additional information received                                                                   | 31/05/2016                      | Plan showing new installation boundary                                                                                                                                |
| Part Surrender determined EPR/VP3339PD/S007                                                       | 18/07/2016                      | Part surrender issued                                                                                                                                                 |
| Regulation 60 Notice dated 25/07/16 (Notice requiring information for statutory review of permit) | Response received<br>14/12/2016 | Technical standards detailed in response to the information notice. Information to demonstrate that relevant BAT conclusions are met for non-ferrous metal production |
| Variation application EPR/VP3339PD/V008                                                           | Duly Made<br>24/01/2017         |                                                                                                                                                                       |
| Application EPR/ EPR/VP3339PD/V008 (Variation and Consolidation)                                  | 03/04/2017                      | Variation and consolidation following the implementation of IED. In addition, a normal variation to add a new LMC and extruder process has                            |

| <b>Status log of the permit</b>                                                                   |                         |                                                                                                                                                                           |
|---------------------------------------------------------------------------------------------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>                                                                                | <b>Date</b>             | <b>Comments</b>                                                                                                                                                           |
|                                                                                                   |                         | been completed.                                                                                                                                                           |
| Variation application<br>EPR/VP3339PD/V009                                                        | Duly Made<br>12/02/2018 |                                                                                                                                                                           |
| Application EPR/<br>EPR/VP3339PD/V009<br>(Variation and<br>Consolidation)                         | 23/03/2018              | Normal variation to make several<br>changes within the LMC process.                                                                                                       |
| Variation application<br>EPR/VP3339PD/V010                                                        | Duly Made<br>29/10/2018 | Application to move site waste<br>handling and review sites discharge<br>to sewer.                                                                                        |
| Variation determined<br>EPR/VP3339PD/V010                                                         | 30/11/2018              | Variation determined                                                                                                                                                      |
| Part Surrender<br>application<br>EPR/VP3339PD/S011                                                | Duly Made<br>06/08/2019 | Application to surrender the permit in<br>part – to surrender areas of non-<br>process.                                                                                   |
| Part Surrender<br>determined<br>EPR/VP3339PD/S011                                                 | 23/10/2019              | Part surrender issued                                                                                                                                                     |
| Variation application<br>EPR/VP3339PD/V012                                                        | Duly Made<br>08/02/2021 | Application to change abatement<br>and stack height at emission point<br>A15                                                                                              |
| Variation determined<br>EPR/VP3339PD/V012                                                         | 18/06/2021              | Variation issued to Morganite<br>Electrical Carbon Limited                                                                                                                |
| Part Surrender<br>application<br>EPR/VP3339PD/S013                                                | Duly Made<br>25/11/2021 | Application to surrender the permit in<br>part - to surrender the land of the<br>former RMPU Building                                                                     |
| Part Surrender<br>determined<br>EPR/VP3339PD/S013                                                 | 28/01/2022              | Part surrender and consolidated<br>permit issued to Morganite Electrical<br>Carbon Limited                                                                                |
| Confidentiality decision<br>following objection<br>notice received from<br>operator on 31/01/2024 | 04/07/2024              | Decision to accept the objection<br>notice received from the operator in<br>relation to specified information<br>received as part of the application.                     |
| Application PAN-024653<br>(EPR/VP3339PD/V014)<br>(variation and<br>consolidation)                 | Duly made<br>14/08/24   | Application to vary the permit to add<br>new graphitisation furnace,<br>inspection table and standby<br>generator. Removal of LMC & Theta<br>Process air emission points. |
| Additional information<br>requested                                                               | 16/10/24                | Schedule 5 Notice                                                                                                                                                         |
| Additional information<br>received                                                                | 04/11/24                | Clarification of Benzo[a]Pyrene<br>modelling and Critical Level used for<br>assessment of oxides of nitrogen at<br>ecological receptors.                                  |
| Variation determined<br>EPR/VP3339PD/V014                                                         | 24/02/25                | Varied and consolidated permit<br>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/VP3339PD**

issued to  
**Morganite Electrical Carbon Ltd** (“the operator”)

whose registered office is:

**Upper Fforest Way  
Morrison  
Swansea  
West Glamorgan  
SA6 8PP**

company registration number **01034653**

to operate a regulated facility at:

**Electrical Carbon, Swansea  
Upper Fforest Way  
Morrison  
Swansea  
West Glamorgan  
SA6 8PP**

to the extent set out in the schedules.

The notice shall take effect from 24/02/2025

Signed

Date

**Holly Noble**

**24/02/2025**

Authorised on behalf of Natural Resources Wales

**Schedule 1**

Only conditions 1.2.1, 1.3.1, 2.1.1, 2.2.1, 2.3.1, 2.4.1, 3.1.1, 3.1.3, 3.5.1, 3.5.4, 4.2.2 and 4.2.3 have been varied by the consolidated permit ERP/VP3339PD as a result of the application made by the operator.

**Schedule 2 – consolidated permit**

Consolidated permit issued as a separate document.