

Notice of variation with introductory note

Environmental Permitting (England & Wales) Regulations 2016

Morganite Electrical Carbon Limited

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

Variation number

EPR/VP3339PD/V012

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 of an environmental permit.

The variation is to change the abatement for the emission point A15. The new abatement is a horizontal deep bed filter which is to replace the wet scrubber that had previously used as abatement for this emission point. The new abatement plant also replaces the stack reducing the stack height from 12 meters to 4 meters. As a result the variation has reduced the emission limit value of particulate matter and Benzo-a-pyrene for A15 from 5 mg/Nm³ and 0.01mg/Nm³ (respectfully) to 4 mg/Nm³ and 0.005 mg/Nm³.

Conditions 3.1.1, 3.5.1 and 3.5.4 have also been updated to removed the reference to table S3.3 which was removed as part of a previous variation (V010).

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 VP3339PD (EPR/VP3339PD/A001)	Duly made 11/03/2004	
Additional Information Received	Requested 04/08/2004	Received 27/08/2004, 20/09/2004
Permit determined VP3339PD (EPR/VP3339PD/A001)	06/05/2005	
Regulation 16 Notice* Application	14/06/2005	
Regulation 16 Notice Determined	05/07/2005	
Variation application EP3533LE (EPR/VP3339PD/V002)	Duly made 30/10/2005	
Variation determined EP3533LE (EPR/VP3339PD/V002)	05/01/2006	

Variation application EP3536LY (EPR/VP3339PD/V003)	Duly made 05/06/2006	
Variation determined EP3536LY (EPR/VP3339PD/V003)	04/09/2006	
Variation application CP3331MX (EPR/VP3339PD/V004)	Duly made 21/12/2006	
Variation determined CP3331MX (EPR/VP3339PD/V004)	04/05/2007	
Variation application EPR/VP3339PD/V005	Duly Made 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 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 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 been completed.
Variation application EPR/VP3339PD/V009	Duly Made 12/02/2018	
Application EPR/ EPR/VP3339PD/V009 (Variation and Consolidation)	23/03/2018	Normal variation to make several changes within the LMC process.
Variation application EPR/VP3339PD/V010	Duly Made 29/10/2018	Application to move site waste handling and review sites discharge to sewer.
Variation determined EPR/VP3339PD/V010	30/11/2018	Variation determined

Part Surrender application EPR/VP3339PD/S011	Duly Made 06/08/2019	Application to surrender the permit in part – to surrender areas of nonprocess.
Part Surrender determined EPR/VP3339PD/S011	23/10/2019	Part surrender issued
Application EPR/VP3339/V012	Duly Made 08/02/2021	Application to change abatement and stack at emission point A15
Application EPR/VP3339/V012	Duly Made 18/06/2021	Variation issued to Morganite Electrical Carbon Limited

End of introductory note

Notice of variation

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

Permit number
EPR/VP3339PD

issued to:
Morganite Electrical Carbon Limited (“the operator”)

whose registered office is

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

company registration number **01034653**

to operate a regulated facility at

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

to the extent set out in the schedules.

The notice shall take effect from 18/06/2021

Signed

Date

Holly Noble	18/06/2021
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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: 3.1.1, 3.5.1 (a), 3.5.4 and Table S1.2 and Table S3.1b

Conditions 3.1.1 is amended as follow:

- 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 and S3.2

Conditions 3.5.1 and 3.5.4 are amended as follow:

- 3.5.1 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) point source emissions specified in tables S3.1, and S3.2.
- 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 tables S3.1, S3.2 unless otherwise agreed in writing by Natural Resources Wales

Table S1.2 is amended as follow:

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application	The response to questions 2.1 and 2.2 and given in section 2.3 of the application	11/03/2004
Variation	Variation Application CP3331MX and response to Sch7 Notice	21/12/2006
Variation	Variation Application VP33339PD/V005 Non-technical summary	23/02/2011
Response to Regulation 60 notice	The response and supporting information requested by NRW and submitted by email	14/12/2016
Variation	Variation Application VP33339PD/V008 Non-technical summary	24/01/2017
Variation	Variation Application VP33339PD/V008 Air Quality Assessment	24/01/2017
Variation	Variation Application VP33339PD/V008 Application Document P2703/R003	24/01/2017
Variation	Non-Technical Summary v4	02/02/2018
Variation	IPPC Morgan Carbon Site Emissions Point to Air, Drawing No – SITEMISS01/I	02/02/2018
Variation	Variation Application VP3339PD/V010 Application Document Minor Technical Variation 2010-10	16/10/2018

Variation	Variation Application VP3339PD/V012	08/02/2021
	• Document Reference: VP3339PD/V012/A15 • Appendix 3 HDB Vessel Information	

Table S3.1b is amended as follow:

Table S3.1b Point source emissions to air – emission limits and monitoring requirements – from 30 th June 2020						
Emission point ref. & location	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A2	Production Line 1	-	-	-	-	-
A3	LMC decompression exhaust	-	-	-	-	-
A8	Production Line 4, G building	-	-	-	-	-
A9	Metal Spraying	-	-	-	-	-
A10	Dust plant	Lead	2 mg/Nm ³	Spot Sample	Quarterly	BS EN 14385:2004
		Copper	2 mg/Nm ³			
		Antimony	2 mg/Nm ³			
		Total Particulate	5 mg/Nm ³	Hourly Average	Annual	BS ISO 13284-1:2002
A11	LMC pre-heat furnaces	-	-	-	-	-
A15	Production Line 1	Total Particulates	4 mg/Nm ³	Hourly Average	Annual	BS ISO 13284-1:2002
		BaP	0.005 mg/Nm ³			
A19	Production Line 4, G building	Total Particulate	5 mg/Nm ³	Hourly Average	Annual	BS ISO 13284-1:2002
A27	Production Line 1	Sulphur Dioxide	2900 mg/Nm ³	24 Hourly Average	Annual	BS ISO 7935:1992
		Oxides of Nitrogen (expressed as NO ₂)	150 mg/Nm ³			BS ISO 10849:1996
		Total Particulate	10 mg/Nm ³	Hourly Average		BS ISO 13284-1:2002
		BaP	0.01 mg/Nm ³			
A28	Production Line 1	Sulphur Dioxide	2900 mg/Nm ³	24 Hourly Average	Annual	BS ISO 10849:1996
		Oxides of Nitrogen (expressed as NO ₂)	150 mg/Nm ³			BS ISO 10849:1996
		Total Particulate	10 mg/Nm ³	Hourly Average		BS ISO 13284-1:2002
		BaP	0.01 mg/Nm ³			

Table S3.1b Point source emissions to air – emission limits and monitoring requirements – from 30th June 2020

Emission point ref. & location	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A39	EHT, G building	-	-	-	-	-
A61	Production Line 1	Sulphur Dioxide	2900 mg/Nm ³	24 hourly average	Annual	BS ISO 7935:1992
		Oxides of Nitrogen (expressed as NO ₂)	150 mg/Nm ³			BS ISO 13284-1:2002
		Total Particulate	10 mg/Nm ³	Hourly average		BS ISO 13284-1:2002
		BaP	0.01 mg/Nm ³			
A62	LMC	-	-	-	-	-
A63	Small batch plating (tin, copper, silver plant)	-	-	-	-	-
A64	Ceramic and zinc spray booth	-	-	-	-	-
A65-A69	LMC pressure and depressurisation. Emergency pressure release valves	-	-	-	-	-

Schedule 3 – conditions to be added

None