

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Valero Energy Ltd

Pembroke Refinery
Pembroke
Pembrokeshire
SA71 5SJ

Variation application number
EPR/YP3930EX/V005

Permit number
EPR/YP3930EX

Pembroke Refinery

Permit number EPR/YP3930EX

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 variation adds a Cogeneration Plant to the existing refinery operations and consolidates the permits. The plant is a 137 MW(th) natural gas fired cogeneration plant. This will produce up to 49.9 megawatts of electrical output (MWe) from the combustion of natural gas in a combustion turbine generator (CTG). Superheated steam will be generated via a heat recovery steam generator (HRSG) and will supplement the refineries steam demand. The plant will be connected to the refinery's steam infrastructure as well as the natural gas and electrical distribution systems. There is a de-mineralisation plant associated with the cogeneration plant to provide a flow of softened and filtered water to allow on-line and off-line washing of the CTG. Neutralised regeneration fluid will be routed from the unit to the existing waste water drain line and refineries waste water treatment plant.

Status log of the permit

Detail	Date	Comments
Application QP3033LW	Duly made 21/09/2006	
Additional Information Received		Confirmation of site boundary.
Certificate of Incorporation	18/08/06	
Details on combustion units	24/01/07	
Site plan	24/02/07	
Response to Schedule 4 notice issued 08/12/06	02/02/07 09/02/07 20/03/07 12/04/07	
Response to Schedule 4 notice issued 02/04/07	01/05/07	
Response to Schedule 4 notice issue 02/05/07	25/05/07	
Response to Schedule 4 notice issued 04/01/07	15/06/07	
Historical data on emission to water	19/06/07	
Annual VOC emissions	16/07/07	
Historical data on emissions to air	16/07/07	
Historical data on carbon monoxide releases to air	17/09/07 21/09/07	
Sulphur dioxide emissions from sulphur recovery unit	25/09/07 04/10/07	

Status log of the permit

Detail	Date	Comments
Letter justifying request for higher annual mass limit	15/10/07	
e-mail detailing methods used for monitoring emissions to water	16/10/07	
	17/10/07	
	01/11/07	
e-mail detailing SO2 releases from SRU and % efficiency		
e-mail detailing effluent temperature		
e-mail on volumetric flows of A9/A10 flue		
e-mail on H2S concentration in Refinery fuel gas		
Permit determined	20/12/2007	Permit issued
Variation application ERR/QP3033LW/V002	Duly made 13/08/10	
Variation issued ERR/QP3033LW/V002	11/09/10	
Notified of change of company name and registered office address	26/08/11	
Variation issued EPR/QP3033LW/V003	21/09/11	
Variation application EPR/QP3033LW/V004	06/01/12	
Variation issued EPR/QP3033LW/V004	05/04/12	
Variation determined EPR/QP3033LW/V005	26/03/13	
Transfer application EPR/YP3930EX/T001 (full transfer of permit EPR/QP3033LW)	Duly made 18/09/13	
Transfer determined EPR/YP3930EX	01/01/14	Permit transferred to Valero Energy Limited company No 8566216 as of 01/01/14, from Valero Energy Limited company No 145197
Regulation 60 Notice sent to the Operator	08/10/15	Issue of a Notice under Regulation 60(1) of the EPR. Natural Resources Wales initiated review and variation to vary the permit.
Regulation 60 Notice response	06/11/15	Response received from the Operator.
Job Aid – PP-HES-JBA-0004	15/12/15	Supporting documentation
Regulation 60 Notice response	06/11/15	Response received from the Operator.
Variation determined EPR/YP3930EX/V002	23/12/15	Varied permit issued.
Variation determined EPR/YP3930EX/V003	09/12/16	NRW led variation to add hazardous waste storage to the permit.

Status log of the permit

Detail	Date	Comments
Variation EPR/YP3930EX/V004	03/03/17	Administrative variation to change registered address.
Variation EPR/YP3930EX/V005	Duly Made 31/05/17	
Schedule 5 notice issued	05/06/17	Notice issued requesting additional information relating to the noise assessment
Additional Information Received	19/06/17	Additional information relating to the noise assessment
Additional Information Received	12/07/17	Additional Information relating to the noise assessment
Additional Information Received	20/07/17	Additional Information relating to the noise assessment
Schedule 5 notice issued	02/08/17	Notice issued requesting additional information relating to the noise assessment
Additional Information Received	08/08/17	Additional information relating to the noise assessment
Variation determined EPR/YP3930EX/V005	20/10/17	Consolidated and varied permit issued.

Other Part A installation permits relating to this installation

Operator	Permit number	Date of issue
Valero Energy Limited	Waste Management licence EPR/YB3997TZ/T001	01/01/2014

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”) authorises, under regulation 13 of the Environmental Permitting (England and Wales) Regulations 2016

Permit number
EPR/YP3930EX

issued to
Valero Energy Ltd

whose registered office is

**Fifth Floor
100 Wood Street
London
EC2V 7EX**

company registration number **8566216**

to operate a regulated facility at

**Pembroke Refinery
Pembroke
Pembrokeshire
SA71 5SJ**

to the extent set out in the schedules.

The notice shall take effect from 20/10/17

Signed

Date

Stephen Attwood	20/10/17
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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 the application made by the operator.

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.