

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 number

EPR/YP3930EX/V008

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.

Valero Energy Limited have applied for derogation under Article 15(4) of the Industrial Emissions Directive on the Best Available Technique (BAT) Conclusion BAT 52 and associated emission limit for the installation permit for Pembroke Refinery (EPR/YP3930EX).

BAT 52 of the BAT Conclusions for the Refining of Mineral Oil and Gas, requires operators to prevent or reduce volatile organic compound (VOC) emissions to air from loading and unloading of volatile liquid hydrocarbons and comply with the associated emission limits for non-methane volatile organic compound (NMVOC) and benzene.

The derogation has been granted on the basis that the cost of installing and operating vapour recovery units (VRUs) on site for the capture of non-methane volatile organic compounds (NMVOCs) and benzene outweighs the cost damage in terms of environmental impacts from the emissions of these pollutants. As such, the cost of compliance would be disproportionate to the environmental gains achieved from the use of VRUs.

The operator had been granted a derogation on BAT 52 after the BRef review of the permit was done in 2018 with an end date of 2026. This variation is to grant a new derogation on BAT 52 and the associated emission limits until December 2034 unless a new set of BAT Conclusions for this sector is published in the interim.

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 QP3033LW	Duly made 21/09/2006	
Additional Information Received	18/08/06	Confirmation of site boundary.
Certificate of Incorporation	24/01/07	
Details on combustion units	24/02/07 02/02/07	

Status log of the permit

Description	Date	Comments
Site plan	09/02/07	
Response to Schedule 4 notice issued	20/03/07	
08/12/06	12/04/07	
	01/05/07	
	25/05/07	
	15/06/07	
	19/06/07	
Response to Schedule 4 notice issued	16/07/07	
02/04/07	16/07/07	
Response to Schedule 4 notice issue	17/09/07	
02/05/07	21/09/07	
Response to Schedule 4 notice issued	25/09/07	
04/01/07		
	04/10/07	
Historical data on emission to water	15/10/07	
	16/10/07	
Annual VOC emissions	17/10/07	
Historical data on emissions to air	01/11/07	
Historical data on carbon monoxide releases to air		
Sulphur dioxide emissions from sulphur recovery unit		
Letter justifying request for higher annual mass limit		
e-mail detailing methods used for monitoring emissions to water		
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	Duly made	
ERR/QP3033LW/V002	13/08/10	
Variation issued	11/09/10	

Status log of the permit		
Description	Date	Comments
ERR/QP3033LW/V002		
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
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.
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	02/08/17	Notice issued requesting additional

Status log of the permit		
Description	Date	Comments
issued		information relating to the noise assessment
Additional Information Received	08/08/2017	Additional information relating to the noise assessment
Variation determined EPR/YP3930EX/V005	20/10/2017	Consolidated and varied permit issued.
Permit Review Issued EPR/YP3930EX/V006	11/07/2018	Reviewed against Refinery BREF Note. Consolidated permit issued
Variation Application EPR/YP3930EX/V007	Duly Made 30/09/2020	Minor technical variation for a trial use of used cooking oil.
Variation Application EPR/YP3930EX/V007	06/11/2020	
Variation Application PAN-023559 (EPR/YP3930EX/V008)	Duly Made 16/11/2023	Application for derogation on BAT 52. (recovery of non-methane volatile organic compound and benzene).
Additional Information Received	30/08/2024	Additional information and revision on the cost benefit analysis
Variation Determined EPR/YP3930EX/V008	DD/MM/2025	Derogation variation issued

Other Part A installation permits relating to this installation		
Operator	Permit number	Date of issue
Valero Energy Ltd	EPR/YB3997TZ	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”) in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2016 varies and consolidates

Permit number
EPR/YP3930EX

issued to
Valero Energy Ltd (“the operator”)

whose registered office is
27th Floor
1 Canada Square
Canary Wharf
London
United Kingdom
E14 5AA

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 **[DD/MM/YYYY]**

Signed

Date

[name of authorised person]
Type name, signature not needed

[DD/MM/YYYY]

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.

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