

Notice of variation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Rapier Energy Ltd.

Billingham Waste Oil Facility

New Road

Haverton Hill

Billingham

Teesside

TS23 1LE

Variation application number

EPR/PP3137ML/V008

Permit number

EPR/PP3137ML

Billingham Waste Oil Facility

Permit number EPR/PP3137ML

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.

This variation permits the operation of 3.267MWth diesel fired boiler which came into operation on 15/12/2021 and is therefore a new Medium Combustion Plant (MCP). There is a point source emission to air (A7) via a 5m stack. The purpose of the boiler is to provide steam to heat the 4 thermal treatment tanks to aid in the physico-chemical treatment of waste oil prior to it being transported off site for further treatment. Previously steam, was supplied by a 3rd party company. The plant is located to the south of the tanks it serves and adjacent to the Waste Transfer Station buildings.

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 received PP3137ML	Duly made 06/03/2007	
Additional information received	03/08/2007	
Permit determined PP3137ML (EPR/PP3137ML/A001)	19/10/2007	Original permit issued to Rapier Energy Ltd.
Application EPR/PP3137ML/V002 (variation and consolidation)	Duly made 23/08/2010	Application to vary and consolidate waste permit EPR/FP3899SQ (EAWML 60122) and PPC permit PP3137ML.
Variation determined EPR/PP3137ML/V002 (DP3537TX)	18/01/2011	Varied permit issued.
Application EPR/PP3137ML/V003 (variation)	Duly made 08/05/2012	Application to vary permit.
Variation determined EPR/PP3137ML/V003 (WP3934CH)	01/06/2012	Varied permit issued.

Status log of the permit		
Description	Date	Comments
Variation determined EPR/PP3137ML/V004 (CP3537EN)	30/01/2014	Varied permit issued. Environment Agency initiated variation to implement the requirements of the Industrial Emissions Directive (IED).
Application EPR/PP3137ML/V005 (administrative variation)	Duly made 10/12/2014	Application to include additional waste codes to the permit.
Variation issued EPR/PP3137ML/V005 (Billing ref. QP3138WV)	17/12/2014	Varied permit issued.
Application EPR/PP3137ML/V006 (variation)	Duly made 21/04/2015	Application to add eleven waste codes to the permit and amend scheduled activities to reflect the requirements of the IED.
Variation determined EPR/PP3137ML (Billing ref: QP3239AJ)	15/06/2015	Varied permit issued.
Application EPR/PP3137ML/V008 (Variation)	Duly made 05/07/2024	Application to operate a diesel-fired MCP boiler for steam generation and to update the registered office address
Variation determined EPR/PP3137ML	21/08/2024	Varied permit issued

End of introductory note

Notice of variation

The Environmental Permitting (England and Wales) Regulations 2016

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2016 varies

Permit number

EPR/PP3137ML

Issued to

Rapier Energy Ltd. (“the operator”)

whose registered office is

8

Douglas Street

Hamilton

Lanarkshire

Scotland

ML3 0BP

company registration number SC314151

to operate a regulated facility at

Billingham Waste Oil Facility

New Road

Haverton Hill

Billingham

Teesside

TS23 1LE

to the extent set out in the schedules.

The notice shall take effect from 21/08/2024.

Name	Date
Marcus Woodward	21/08/2024

Authorised on behalf of the Environment Agency

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

- Table S1.1 as referenced by condition 2.1.1 to update the permitted activities to include the new MCP (AR5). Subsequent activities have been renumbered (A6 to A8). Table S1.1 now reads;

Table S1.1 activities			
Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
AR1	Section 5.3 A(1)(a)(ii) Disposal or recovery of hazardous waste in a facility with a capacity exceeding 10 tonnes per day by physico-chemical treatment <i>Waste oils defined as per the Waste Oil Directive – “WOD”</i>	Treatment of WOD oils: R3: Recycling/reclamation of organic substances which are not used as solvents.	Reception, bulking, blending and treatment of WOD oils to dispatch of treated oils and wastes arising from treatment. Treatment operations shall be limited to: <ul style="list-style-type: none"> heating; gravity separation and settlement; chemical treatment (demulsifying and deashing); and centrifuging and/or filtration. Permitting quantities and waste types as specified in table S2.1.
AR2	Section 5.6 A(1)(a) Temporary storage of hazardous waste in a facility with a total capacity exceeding 50 tonnes	Storage of WOD oils: R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced).	Receipt and storage of WOD oils and treated oils to dispatch of treated oils and wastes arising from treatment. Permitting quantities and waste types as specified in table S2.1.
Directly Associated Activity			
AR3	Effluent treatment plant and discharge to sewer	D9: Physico-chemical treatment of non-hazardous waste.	From receipt at the effluent treatment plant to discharge of the treated liquid effluent to foul sewer and dispatch of wastes arising from the treatment. Waste types limited to: <ul style="list-style-type: none"> non-hazardous liquid effluent produced from on-site treatment of

Table S1.1 activities			
Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
			<p>WOD oil and non-WOD oil; and</p> <ul style="list-style-type: none"> oil contaminated rainwater from tank bunds. <p>Quantity of waste for treatment shall not exceed 40 tonnes per day or 120 tonnes at any one time.</p>
AR4	Discharges to sewer	Collection of surface water and discharge to sewer via interceptor.	From collection of process wastewater to transfer to sewer.
AR5	Steam generation	3.267MWth diesel-fired boiler – new MCP	From receipt of gas oil to emission of combustion products to air
Activity reference	Description of activities for waste operations	Limits of activities	
AR6	<p>Storage and treatment of non-WOD oils.</p> <p>R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced).</p> <p>R3: Recycling/reclamation of organic substances which are not used as solvents.</p>	<p>Reception, bulking, blending and treatment of non-WOD oils to dispatch of treated oils and wastes arising from treatment.</p> <p>Treatment operations shall be limited to:</p> <ul style="list-style-type: none"> heating; gravity separation and settlement; chemical treatment (demulsifying and deashing); and centrifuging and/or filtration. <p>Permitted quantities and waste types as specified in table S2.1.</p>	
AR7	<p>Waste transfer for the purposes of disposal.</p> <p>D14: Repackaging prior to submission to any of the operations numbered D1 to D13.</p> <p>D15: Storage pending any of the operations numbered D1 to D14 (excluding temporary waste storage, pending collection, on the site where it was produced).</p>	<p>Storage of wastes for off-site disposal.</p> <p>Permitted quantities and waste types as specified in table S2.2.</p>	
AR8	<p>Waste transfer for the purposes of recovery.</p> <p>R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced).</p>	<p>Storage of wastes for off-site recovery.</p> <p>Permitted quantities and waste types as specified in table S2.3.</p>	

- Table S1.2 as referenced by condition 2.3.1 to has been amended to update the operating techniques. Table S1.2 now reads

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application	The responses to B2.1 and B2.2 in the Application, with the exception of B2.1.7, B2.2.3, B2.2.4, B2.2.5, B.2.28, B2.2.9, B2.2.13, B2.2.14, B2.2.15, B2.2.16, B2.2.18, B2.2.22, B2.2.33, B2.2.34, B2.2.38, B2.2.39 and B2.2.40	Duly made 31/01/2007
Receipt of additional information to the application	Responses to questions 1-24 on the request for further information dated 22/08/2007	03/09/2007
Receipt of additional information to the application	Response to questions 1 to 7 on the request for further information dated 03/09/2007.	03/09/2007
Application variation EPR/PP3137ML/V008	Application forms Part A, C2, C2.5 and F1 and all referenced supporting documentation, including but not limited to: <ul style="list-style-type: none"> • Support document 1 (dated September 2023) • Air Quality Assessment 2.0 (dated July 2024) 	Duly made 05/07/2024

- Table S3.1 as referenced by condition 3.5.1 has been amended to add the monitoring requirements for new emission point A7. Table S3.1 now reads

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A1	Subject to improvement condition IC04	Vent from tanks 1 to 4	Subject to improvement condition IC04			
A2		Vent from tanks 8 to 13				
A3		Vent from tanks 5				
A4		Vent from tanks 6				
A5		Vent from tanks 7				
A6		Vent from tanks 1				
A7	New medium combustion plant other than engines and gas	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	200 mg/m ³	Periodic	Every 3 years	MCERTS BS EN 14792

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
	turbines fuelled on diesel	Carbon monoxide	No limit set	Periodic	Every 3 years	MCERTS BS EN 15058

Note 1: Monitoring requirements are defined at a temperature of 273.15 K, a pressure of 101.3 kPa and after correction for the water vapour content of the waste gases at a standardised O₂ content of 6% for solid fuels, 15% for engines and gas turbines and 3% all other MCPs

Table S4.1 Reporting of monitoring data as referenced by condition 4.2.3 has been amended to add emission point A7. Table S4.1 now reads

Table S4.1 Reporting of monitoring data			
Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Point source emissions to air Parameters as required by condition 3.5.1/ Improvement Condition IC04	A1 to A6, subject to any monitoring agreed in accordance with improvement condition IC04	Subject to any monitoring agreed in accordance with improvement condition IC04	Subject to monitoring agreed in accordance with improvement condition IC04
Point source emissions to air Parameters as required by condition 3.5.1	A7 - MCP Boiler	Every 3 years	1 January
Point source emissions to sewer Parameters as required by condition 3.5.1 Improvement condition IC08	S1, Subject to any monitoring agreed in accordance with improvement condition IC08	Subject to any monitoring in accordance with improvement condition IC08	Subject to any monitoring agreed in accordance with improvement condition IC08

Schedule 3 – conditions to be added

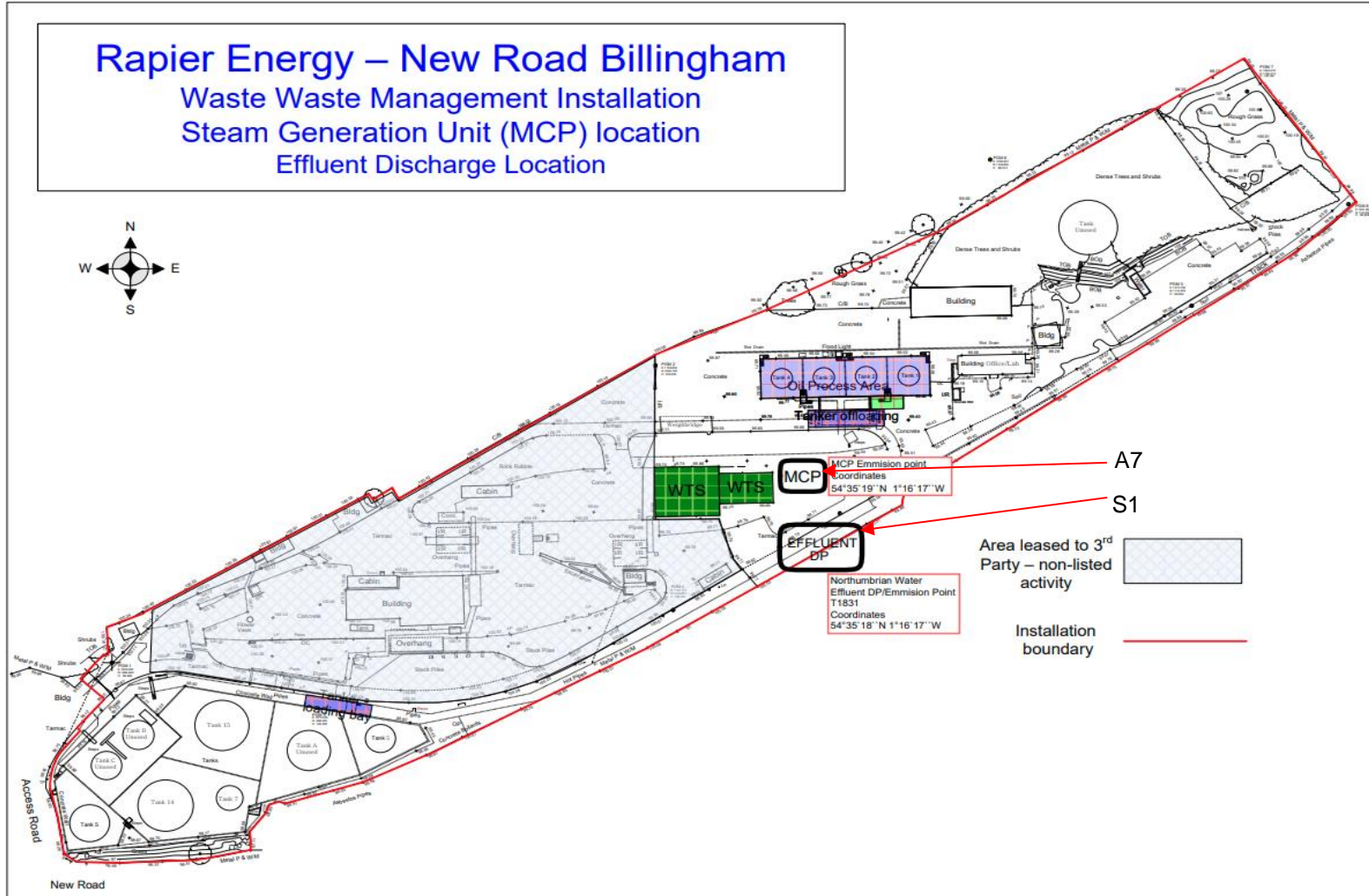
The following conditions are added as a result of the application made by the operator.

3.1.3 For the following activities referenced in schedule 1, table S1.1 (AR5.) the first monitoring measurements shall be carried out within four months of the issue date of the permit or of the date when the MCP is first put into operation, whichever is later.

Schedule 4 – amended plan

Amended plan attached

Site plan as referenced by condition 2.2.1 has been amended to reflect emission point A7 from the MCP Boiler



END OF PERMIT