Notice of variation with introductory note

Environmental Permitting (England & Wales) Regulations 2010

Rapier Energy Limited

Billingham Waste Oil Facility
New Road
Haverton Hill
Billingham
Teesside
TS23 1LE

Variation application number

EPR/PP3137ML/V003

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 increases the storage capacity of the site to 5,100 tonnes at any one time. The site processing capacity and annual throughput will remain the same. In order to accommodate the increased capacity the operator is commissioning two new oil storage tanks which have been structurally tested to demonstrate they are fit for purpose. The site plan will be updated to include these additional tanks.

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**
PPC Permit application PP3137ML	Duly made 06/03/07	
Additional information received	03/08/07	
PPC Permit PP3137ML issued	19/10/07	
Variation Application EPR/ PP3137ML/V002 (variation and consolidation)	Duly made 23/08/10	Application to vary and consolidate Waste permit EPR/FP3899SQ (EAWML 60122) and PPC permit PP3137ML
Variation determined consolidated permit number EPR/PP3137ML	18/01/11	Varied permit issued.
Variation Application EPR/PP3137ML/V003	Duly made 08/05/2012	Application to vary permit
Variation determined EPR/PP3137ML	01/06/2012	Varied permit issued

End of introductory note

Notice of variation

Environmental Permitting (England and Wales) Regulations 2010

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2010 varies

Permit number
EPR/PP3137ML

issued to:
Rapier Energy Limited ("the operator")

whose registered office is

70 Northburn Road
Coatbridge
Lanarkshire
Scotland
ML5 2HY

company registration number **SC 314151**

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 01/06/2012

Name	Date
Helen Smith	**01/06/2012**

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

Conditions 2.3.2, 2.3.3 and 2.3.4 have been renumbered to correct the error in the original permit.

2.3.2 Waste shall only be accepted if:

(a) it is of a type and quantity listed in schedule 2 tables S2.1, S2.2 and S2.3

(b) it conforms to the description in the documentation supplied by the producer and holder.

2.3.3 The operator shall ensure that where waste produced by the activities is sent to a relevant waste operation, that operation is provided with the following information, prior to the receipt of the waste:

(a) the nature of the process producing the waste;

(b) the composition of the waste;

(c) the handling requirements of the waste;

(d) the hazardous property associated with the waste, if applicable; and

(e) the waste code of the waste.

2.3.4 The operator shall ensure that where waste produced by the activities is sent to a landfill site, it meets the waste acceptance criteria for that landfill.

Table S1.3 as referenced by condition 2.4.1 has been amended to include tank 14 under improvement condition IC04 and display completed improvement programme requirements

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
IC01	The operator shall produce and implement written procedures (and any amendments to them) that accord with section 2.1.2 of Sector Guidance Note S5.06 to cover: - the temporary storage and quarantine of rejected incoming material prior to removal from site.	01/03/11
IC02	The operator shall produce and implement written procedures (and any amendments to them) that accord with section 2.1.3 of Sector Guidance Note S5.06 to cover: - a formal procedure for tracking incoming material that are rejected from the installation. - a formal procedure for the storage of drummed and/or containerised waste that has been generated on site. - a formal procedure for auditing of performance against requirements arising from the planned maintenance programme. - a formal procedure for auditing of conformity with environmental management system. - test acceptance criteria, limits of results and process criteria to be detailed on operation flow sheets or in operating procedures.	01/03/11
IC03	The operator shall undertake a CCTV survey of site foul drainage and subsurface structures, and provide a written report detailing the findings and any remedial action required and the proposed timescales, for approval by the Environment Agency.	~~30/04/08~~ Completed

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
IC04	The operator shall conduct a survey of emissions of VOCs to air, having regard to Environment Agency Sector Guidance Note IPPC S5.06 Section 2.10. Releases shall be characterised by monitoring, where appropriate, and monitoring methods shall be agreed in advance with the Environment Agency. A written report shall be submitted to the Environment Agency for approval which identifies appropriate improvements with a timetable for their implementation. The operator shall submit a revised environmental impact assessment which evaluates the potential for impact arising from the release of VOCs from the installation, using the Agency's H1 tool (or other equivalent assessment tool used with the written agreement of the Environment Agency). An electronic copy of the H1 assessment (or other equivalent assessment tool used with the written agreement of the Environment Agency) shall be submitted to the Environment Agency.	Within 6 months of commissioning tank 14 Within 1 month of completion of above monitoring
IC05	The operator shall carry out an assessment of the measures that are in place to reduce the risk of a pollution incident caused by firewater. The review shall include: - consideration of the principals set out in PPG 18 – Managing Fire-water and major spillages. - identification of any improvements necessary in order to minimise the risk of a pollution incident caused by firewater A written report summarising the assessment and any necessary improvements shall be submitted to the Environment Agency. The report shall include timescales for the operator to implement the improvements.	~~29/08/08~~ Completed
IC06	The operator shall ensure that a review the integrity of all storage tanks and site surfacing and containment kerbs against the requirements of Sections 2.1.3 and 2.2.5 of the Sector Guidance Note S5.06 be carried out by a qualified structural engineer. The review shall identify any measures necessary to meet those requirements and propose a time scale for implementing them. A written report of the review shall be submitted to the Environment Agency detailing the reviews findings and recommendations. Remedial action shall be taken to ensure all tanks and surfacing meet the standards set out in the above documents and implement the maintenance and inspection regime.	~~Review by 3/01/08~~ Completed ~~31/07/08~~ Completed

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
IC07	The operator shall ensure that a review of the design, method of construction and integrity of all bunds surrounding above ground tanks be carried out by a qualified structural engineer. This shall compare existing bunds against the standards set out in Section 2.2.5 of the Sector Guidance Note S5.06, CIRIA Report 163 on the Construction of Bunds for Oil Storage Tanks with a tank capacity of < 25 m^3 (ISBN: 0 86017 468 9), and CIRIA Report 164 on Design of Containment Systems for the prevention of water pollution from industrial incidents, for tanks with a capacity of > 25 m^3 (ISBN: 0 86017 476X). The review shall include: - the physical condition of the bunds, - their suitability for providing containment when subjected to the dynamic and static loads caused by catastrophic tank failure, - any work required to ensure compliance with the standards set out in CIRIA Reports 163 and 164 for reinforced concrete or masonry bunds, and - suggested preventative maintenance & inspection regime. A written report of the review shall be submitted to the Environment Agency detailing the reviews findings and recommendations. Remedial action shall be taken to ensure all bunds meet the standards set out in the above documents and implement the maintenance and inspection regime.	~~31/01/08~~ Completed ~~31/07/08~~ Completed
IC08	The operator shall develop a written aqueous emissions procedure and plan, including sampling and analysis regime, having regard to the Environment Agency Sector Guidance Note IPPC S5.06 Sections 2.2 and 2.10.1. The operator shall conduct a survey of emissions to sewer, having regard to Environment Agency Sector Guidance Note IPPC S5.06 Section 2.10. Releases shall be characterised by monitoring, where appropriate, and monitoring methods shall be agreed in advance with the Environment Agency. A written report shall be submitted to the Environment Agency for approval which identifies appropriate improvements with a timetable for their implementation. The operator shall submit a revised environmental impact assessment which evaluates the potential for impact arising from the release to sewer from the installation, using the Environment Agency's H1 tool (or other equivalent assessment tool used with the written agreement of the Environment Agency), using the results of the monitoring programme required by this Improvement Condition. An electronic copy of the H1 assessment (or other equivalent assessment tool used with the written agreement of the Environment Agency) shall be submitted to the Environment Agency.	Within 6 months of effluent treatment plant commissioning Within 1 month of completion of above monitoring
IC09	The operator shall colour code all the site manhole and drainage connections and points. The operator shall have regard to the Environment Agency Sector Guidance Note IPPC S5.06 Sections 2.7.2 and 2.10.3.	~~30/04/08~~ Completed

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
IC10	The operator shall install a calibrated temperature probe, meter and recorder into the process tank, T797. The operator shall have regard to the Environment Agency Sector Guidance Note IPPC S5.06 Sections 2.7.2 and 2.10.3.	~~30/05/08~~ Completed
IC11	The operator shall install a steam meter and shall report on the steam usage against tonnes of oil processed. The operator shall have regard to the Environment Agency Sector Guidance Note IPPC S5.06 Sections 2.7.2 and 2.10.3.	~~30/06/08~~ Completed
IC12	The operator shall install fully waterproofed insulation on all steam pipework. The operator shall have regard to the Environment Agency Sector Guidance Note IPPC S5.06 Sections 2.7.2 and 2.10.3.	~~01/09/11~~ Completed
IC13	The operator shall investigate the reuse or recovery of residual, oily sludge (possible treatment with microwaves), or failing that the disposal route that will be employed, which identified the BPEO for its disposal. The operator shall have regard to the Environment Agency Sector Guidance Note IPPC S5.06 Section 2.6.	~~29/08/08~~ Completed
IC14	The operator shall develop a detailed written site closure plan, having regard to the Environment Agency Sector Guidance Note IPPC S5.06 Section 2.11. Upon completion of the plan a summary of the document shall be submitted to the Agency in writing.	~~31/10/08~~ Completed
IC15	The operator shall install level meters on all oil tanks at the installation, connected to an appropriate alarm system.	~~31/10/08~~ Completed

Table S1.4 as referenced by condition 2.5.1 has been amended to refer to tank 7 and 14 under pre-operational measure PO1 and delete completed Pre – operational measures.

Table S1.4 Pre-operational measures for future development		
Reference	**Operation**	**Pre-operational measures**
	Storage of waste oil in refurbished Tanks 7 and 14 Tanks numbers as per Variation Application Support Document EPR/PP3137ML/V003	At least 4 weeks prior to the storage of waste oil in a refurbished or new tank, the following shall be provided to the Environment Agency for approval: 1. A report from a qualified structural engineer that confirms the construction / integrity of the storage tank and associated site surfacing meets the requirements of Sections 2.1.3 and 2.2.5 of Sector Guidance Note IPPC S5.06; and 2. A report from a qualified structural engineer that confirms the design, method of construction and integrity of the associated bund meets the following standards: - Section 2.2.5 Sector Guidance Note IPPC S5.06; and CIRIA Report 164 on Design of Containment Systems for the prevention of water pollution from industrial incidents, for tanks with a capacity of > 25 m^3 (ISBN: 0 86017 476X).

Table S2.1 as referenced by condition 2.3.2 has been amended to increase site storage capacity.

Table S2.1 Combined permitted waste types and quantities for storage and treatment of both non WOD and WOD oils (activity reference AR1 and AR4)	
Maximum quantity	**Quantity of waste oils for storage/treatment shall not exceed 250 tonnes per day or 24,800 tonnes per annum. The maximum amount of waste oils stored on site at any one time shall not exceed 5,100 tonnes.**
Waste code	**Description**
01	**WASTES RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS**
01 05	**Drilling muds and other drilling wastes**
01 05 05 *	oil-containing drilling muds and wastes
05	**WASTES FROM PETROLEUM REFINING, NATURAL GAS PURIFICATION ND PYROLYTIC TREATMENT OF COAL**
05 01	**wastes from petroleum refining**
05 01 05*	oil spills
05 01 06*	oily sludges from maintenance operations of the plant or equipment
05 01 12*	oil containing acids
07	**WASTES FROM ORGANIC CHEMICAL PROCESSES**
07 01	**wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals**
07 01 08*	other still bottoms and reaction residues
07 07	**wastes from the MFSU of fine chemicals and chemical products not otherwise specified**
07 07 08*	other still bottoms and reaction residues
08	**WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS**
08 03	**wastes from MFSU of printing nks**
08 03 19*	disperse oil
10	**WASTES FROM THERMAL PROCESSES**
10 01	**wastes from power stations and other combustion plants (except 19)**
10 01 04*	oil fly ash and boiler dust
10 02	**wastes from the iron and steel industry**
10 02 11*	wastes from cooling-water treatment containing oil
10 05	**wastes from zinc thermal metallurgy**

10 05 08*	wastes from cooling-water treatment containing oil
10 07	**wastes from silver, gold and platinum thermal metallurgy**
10 07 07*	wastes from cooling-water treatment containing oil
10 08	**wastes from other non-ferrous thermal metallurgy**
10 08 19*	wastes from cooling-water treatment containing oil
12	**WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS**
12 01	**wastes from shaping and physical and mechanical surface treatment of metals and plastics**
12 01 06*	mineral-based machining oils containing halogens (except emulsions and solutions)
12 01 07*	mineral-based machining oils free of halogens (except emulsions and solutions)
12 01 09*	machining emulsions and solutions free of halogens
12 01 10*	Synthetic machining oils
12 01 18*	metal sludge (grinding, honing and lapping sludge) containing oil
12 01 19*	readily biodegradable machining oil
13	**OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19)**
13 01	**waste hydraulic oils**
13 01 01*	Hydraulic oils, containing PCBs (1)
13 01 04*	chlorinated emulsions
13 01 05*	non-chlorinated emulsions
13 01 09*	mineral-based chlorinated hydraulic oils
13 01 10*	mineral based non-chlorinated hydraulic oils
13 01 11*	Synthetic hydraulic oils
13 01 12*	readily biodegradable hydraulic oils
13 01 13*	other hydraulic oils
13 02	**waste engine, gear and lubricating oils**
13 02 04*	mineral-based chlorinated engine, gear and lubricating oils
13 02 05*	mineral-based non-chlorinated engine, gear and lubricating oils
13 02 06*	Synthetic engine, gear and lubricating oils
13 02 07*	readily biodegradable engine, gear and lubricating oils
13 02 08*	other engine, gear and lubricating oils
13 03	**waste insulating and heat transmission oils**
13 03 01*	insulating or heat transmission oils containing PCBs

13 03 06*	mineral-based chlorinated insulating and heat transmission oils other than those mentioned in 13 03 01
13 03 07*	mineral-based non-chlorinated insulating and heat transmission oils
13 03 08*	Synthetic insulating and heat transmission oils
13 03 09*	readily biodegradable insulating and heat transmission oils
13 03 10*	other insulating and heat transmission oils
13 04	**bilge oils**
13 04 01*	bilge oils from inland navigation
13 04 02*	bilge oils from jetty sewers
13 04 03*	bilge oils from other navigation
13 05	**oil/water separator contents**
13 05 01*	solids from grit chambers and oil/water separators
13 05 02*	sludges from oil/water separators
13 05 03*	interceptor sludges
13 05 06*	oil from oil/water separators
13 05 07*	oily water from oil/water separators
13 05 08*	mixtures of wastes from grit chambers and oil/water separators
13 07	**wastes of liquid fuels**
13 07 01*	fuel oil and diesel
13 07 02*	petrol
13 07 03*	other fuels (including mixtures)
13 08	**oil wastes not otherwise specified**
13 08 01*	desalter sludges or emulsions
13 08 02*	other emulsions
16	**WASTES NOT OTHERWISE SPECIFIED IN THE LIST**
16 07	**wastes from transport tank, storage tank and barrel cleaning (except 05 and 13)**
16 07 08*	wastes containing oil
16 10	**aqueous liquid wastes destined for off-site treatment**
16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01 16 10
19	**WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE**
19 02	**wastes from physico/chemical treatments of waste (including**

	dechromatation, **decyanidation, neutralisation)**
19 02 04*	premixed wastes composed of at least one hazardous waste
19 02 07*	oil and concentrates from separation
19 08	**wastes from waste water treatment plants not otherwise specified**
19 08 09	grease and oil mixture from oil/water separation containing only edible oil and fats
19 08 10*	grease and oil mixture from oil/water separation other than those mentioned in 19 08 09
20	**MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES)** **INCLUDING SEPARATELY COLLECTED FRACTIONS**
20 01	**separately collected fractions (except 15 01)**
20 01 25	edible oil and fat
20 01 26*	oil and fat other than those mentioned in 20 01 25

Table S3.1 Point source emissions to air as referenced by condition 3.5.1 has been amended to add emission point A6.

Table S3.1 Point source emissions to air – emissions limits and monitoring requirements					
Emission point ref. & Location (as shown on site plan in Schedule 7)	**Parameter**	**Source**	**Limit (including unit)**	**Reference Period**	**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 tank 5			
A4		Vent from tank 6			
A5		Vent from tank 7			
A6		Vent from tank 14			

Table S4.1 Reporting of monitoring data as referenced by condition 4.2.3 has been amended to add emission point A6.

Table S4.1 Reporting of monitoring data			
Parameter	**Emission or monitoring point/reference**	**Reporting period**	**Period begins**
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
Emissions to sewer Parameter 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

None

Schedule 4 – amended plan

Amended plan attached

Site plan as referenced by condition 2.2.1 has been amended to show newly commissioned tanks.

Rapier Energy – New Road Billingham

Waste Management Installation site plan v1.11 May 2012