

Notice of variation with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

Devonport Royal Dockyard Limited
Devonport Royal Dockyard Boiler Houses
Health and Safety Department
PC623
Devonport
Plymouth
Devon
PL1 4SG

Variation application number

EPR/RP3135LP/V002

Permit number

EPR/RP3135LP

Devonport Royal Dockyard Boiler Houses

Permit number EPR/RP3135LP

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 operator has applied to replace three boilers with two new ones in the Fleet Maintenance Base (FMB) Boiler House. The three boilers that are being replaced are of 7.67MW thermal input capacity and are being replaced with two 15.5MW thermal input capacity gas fuelled boilers for generating steam and heat. The new total thermal input capacity for the installation will be 75MW. The boiler blow down will continue to be discharged to sewer. The flues from the two new boilers will become emission points A1 and A2 respectively. Emission points A1 and A2 are part of a two core stack which is in the same location as the stack from the old boilers. Emission point A3 is now redundant.

Seven raw materials will be used to optimise boiler water. The liquid raw materials will be stored in an impervious bund with a total capacity of over 25% of the volume of all the liquid containers stored within. Spill kits will be in place to contain spillages prior to disposal.

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	Duly made 10/04/06	
Additional information received	01/09/06	
Additional information received	03/11/06	
Additional information received	09/11/06	
Additional information received	10/11/06	
Additional information received	14/12/06	
Permit determined EPR/RP3135LP	19/12/06	Permit issued to Devonport Royal Dockyard Limited
Application EPR/RP3135LP/V002	Duly made 01/10/14	Application to vary the permit to replace three boilers in boiler house FMB with two new 15.5MW capacity gas fuelled boilers.
Variation determined EPR/RP3135LP/V002 (PAS/Billing reference PP3239WR)	10/10/14	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/RP3135LP

Issued to

Devonport Royal Dockyard Limited ("the operator")

whose registered office is

Devonport Royal Dockyard

Devonport

Plymouth

PL1 4SG

company registration number 02077752

to operate an installation at

Devonport Royal Dockyard Boiler Houses

Health and Safety Department

PC623

Devonport

Plymouth

Devon

PL1 4SG

to the extent set out in the schedules.

The notice shall take effect from 10/10/2014.

Name	Date
M Bischer	10/10/2014

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 referred to in condition 2.1.1 is amended to:

Table S1.1 activities		
Activity listed in Schedule 1 of the Environmental Permitting Regulations	Description of specified activity	Limits of specified activity
Section 1.1 A(1) a) : Burning any fuel in an appliance with a rated thermal input of 50 megawatts or more	Fleet Maintenance Base (FMB) boiler house total 31 MW (2x 15.5MW boilers) to provide space heating and steam.	From receipt of fuel to emission of waste products. The only fuel used will be natural gas.
	Hill 60 boiler house, total 24 MW (3x 8MW boilers) to provide space heating and steam	Shall not exceed 2928 operating hours on gas oil per year. From receipt of fuel to emission of waste products.
	Steam barge total 20 MW, (4x 5MW boilers) to provide steam.	Shall not exceed 960 operating hours per year. From receipt of fuel to emission of waste products.
Directly Associated Activity		
Directly associated activity	Gas oil storage	From receipt of raw materials to dispatch for use.
Directly associated activity	Water treatment	From receipt of raw materials to dispatch to chemical effluent and dirty water system.

Table S1.2 as referred to in condition 2.3.1 is amended to:

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application	The response to section 2.1.3, 2.1.4, 2.2.2, 2.2.3.7, 2.2.4 and 2.2.5 in the Application.	10/04/06
Variation application EPR/RP3135LP/V002	Part C2 and C3 of the application form and supporting information.	01/10/14
Variation application EPR/RP3135LP/V002	Response to request for further information detailing that low NOx burners are used on the boilers in the FMB boiler house and that spill kits will be used to contain raw material spillages.	02/10/14

Table S4.1 as referred to in condition 3.1.1 is amended to:

Table S4.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	Parameter	Source	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A1 [Point A1 on FMB Boiler House plan submitted 18/12/06 as further information]	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	FMB Boiler house fired on natural gas via stack-boiler 1	140 mg/m ³	Hourly average	Annual As agreed in writing with the Agency.	BS EN 14792
A2 [Point A2 on FMB Boiler House plan submitted 18/12/06 as further information]	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	FMB Boiler house fired on natural gas via stack-boiler 2	140 mg/m ³	Hourly average	Annual As agreed in writing with the Agency.	BS EN 14792
A3 [Point A3 on FMB Boiler House plan submitted 18/12/06 as further information]	Flue not in use, no monitoring required					
A4 [Point A4 on FMB Boiler House plan submitted 18/12/06 as further information]	Flue not in use, no monitoring required					
A5 [Point A5 on FMB Boiler House plan submitted 18/12/06 as further information]	Flue not in use no monitoring required					
A6 [Point A6 on FMB Boiler House plan submitted 18/12/06 as further information]	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	Hill 60 Boiler house fired on natural gas via stack	175 mg/m ³	Hourly average	Annual As agreed in writing with the Agency.	BS EN 14792
A6 [Point A6 on FMB Boiler House plan submitted 18/12/06 as further information]	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	Hill 60 Boiler house fired on gas oil via stack.	175 mg/m ³	Hourly average	Annual As agreed in writing with the Agency.	BS EN 14792
A7 [Point A7 on FMB Boiler House plan	Oxides of Nitrogen	Hill 60 Boiler house fired	175 mg/m ³	Hourly average	Annual As agreed	BS EN 14792

Table S4.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	Parameter	Source	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
submitted 18/12/06 as further information]	(NO and NO ₂ expressed as NO ₂)	on natural gas via stack			in writing with the Agency.	
A7 [Point A7 on FMB Boiler House plan submitted 18/12/06 as further information]	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	Hill 60 Boiler house fired on gas oil via stack.	175 mg/m ³	Hourly average	Annual As agreed in writing with the Agency.	BS EN 14792
A8 [Point A8 on FMB Boiler House plan submitted 18/12/06 as further information]	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	Hill 60 Boiler house fired on natural gas via stack	175 mg/m ³	Hourly average	Annual As agreed in writing with the Agency.	BS EN 14792
A8 [Point A8 on FMB Boiler House plan submitted 18/12/06 as further information]	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	Hill 60 Boiler house fired on gas oil via stack.	175 mg/m ³	Hourly average	Annual As agreed in writing with the Agency.	BS EN 14792
A9 [Point A9 on FMB Boiler House plan submitted 18/12/06 as further information]	No parameters set.	Steam barge fired on gas oil via stack.	-	-	-	Permanent sampling access not required.
A10 [Point A10 on FMB Boiler House plan submitted 18/12/06 as further information]	No parameters set.	Steam barge fired on gas oil via stack.	-	-	-	Permanent sampling access not required.
A11 [Point A11 on FMB Boiler House plan submitted 18/12/06 as further information]	No parameters set.	Steam barge fired on gas oil via stack.	-	-	-	Permanent sampling access not required.
A12 [Point A12 on FMB Boiler House plan submitted 18/12/06 as further information]	No parameters set.	Steam barge fired on gas oil via stack.	-	-	-	Permanent sampling access not required.

Table S4.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	Parameter	Source	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
Small combustion plants under 1.7MW within the site boundary on site plan in schedule 2	No parameters set	Various small combustion plants around the site.	-	-	-	Permanent sampling access not required.

Table S5.1 as referred to in condition 4.2.2 is amended to:

Table S5.1 Reporting of monitoring data			
Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Oxides of nitrogen Parameters as required by condition 3.6.1.	A1, A2, A3, A4, A6, A7, A8	Every 12 months	01/01/07
Sulphur dioxide Parameters as required by condition 3.6.1	A1, A2, A3, A4, A6, A7, A8	Every 12 months	01/01/07

Table S5.4 as referred to in condition 4.2.2 is amended to:

Table S5.4 Reporting forms				
Media/ parameter	Reporting format	Starting Point	Agency recipient	Date of form
Air	Form Air 1 or other form as agreed in writing by the Agency	Permit issue	SI	10/10/14
Water usage	Form water usage1 or other form as agreed in writing by the Agency	Permit issue	SI	03/11/07
Energy usage	Form energy 1 or other form as agreed in writing by the Agency	Permit issue	SI	03/11/07
Other performance indicators	Form performance 1 or other form as agreed in writing by the Agency	Permit issue	SI	03/11/07

Schedule 3 – conditions to be added

None