

Notice of variation with introductory note

Environmental Permitting (England & Wales) Regulations 2016

**South Hook LNG Terminal Company
LTD.**

**South Hook LNG Terminal
Dale Road
Herbrandston
Milford Haven
Pembrokeshire
Wales
SA73 3SU**

Variation number
EPR/XP3538LD/V005

Permit number
EPR/XP3538LD

South Hook LNG Terminal

Permit number EPR/XP3538LD

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 initiated variation changes the monitoring requirements for two of the submerged combustion vaporisers (SCVs) listed as emission points A8 and A11 from having continuous emission monitoring system (CEMS) to periodic monitoring with a quarterly frequency only to match the other SCVs listed in the permit. There are no changes to emission limits.

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 BW9816IE | Duly made 17/11/03 | Application for a new liquefied natural gas terminal |
| Additional information received | 16/06/04 | Response to Schedule 4 Notice dated 11/05/04 |
| Permit determined BW9816IE | 16/07/04 | Permit issued to Esso Petroleum Company Limited |
| Application XP3538LD/T001 (Full transfer of permit BW9816IE) | Duly made 27/07/06 | Application to transfer PPC permit |
| Transfer determined | 01/09/06 | Permit transferred from Esso to South Hook LNG Terminal Company Ltd. |
| Variation application XP3538LD/V002 | Duly made 14/09/06 | Variation for a series of changes to the Terminal design after completion of a more detailed engineering design |
| Additional information received | 15/11/07 | Supporting information regarding discharge of nitrates into the Haven |
| Variation determined EPR/XP3538LD/V002 | 16/05/08 | Varied permit issued. |
| Variation application EPR/XP3538LD/V003 (variation and consolidation) | Duly made 12/03/14 | Application to vary and update the permit to modern conditions |
| Variation determined EPR/XP3538LD/V003 | 14/10/15 | Varied and consolidated permit issued in modern condition format |

| | | |
|--|-----------------------|---|
| Variation application PAN-011689 (EPR/XP3538LD/V004) | Duly made 15/12/20 | Application to add one new submerged combustion vaporiser (SCV) among other changes to the permit. |
| Variation determined EPR/XP3538LD/V004 | 15/04/21 | Varied and consolidated permit issued to Operator. |
| Variation Application PAN-018121 (EPR/XP3538LD/V005) | 24/05/22 | Variation to remove the continuous environmental monitoring system (CEMS) from two SCVs, A8 and A11 |
| Variation Determined EPR/XP3538LD/V005 | 18/11/22 | Varied permit issued to South Hook LNG Terminal Company LTD. |

Other Part A installation permits relating to this installation

| Operator | Permit number | Date of issue |
|------------------------|----------------------|---|
| South Hook CHP Limited | EPR/XP3936NS | Issued 21/05/15 Surrendered 23/06/16 |

End of introductory note

Notice of variation

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

Permit number
EPR/XP3538LD

issued to:
South Hook LNG Terminal Company LTD. (“the operator”)

whose registered office is

**South Hook LNG Terminal Company LTD.
Dale Road
Herbrandston
Milford Haven
Pembrokeshire
Wales
SA73 3SU**

company registration number **04982132**

to operate a regulated facility at

**South Hook LNG Terminal
Dale Road
Herbrandston
Milford Haven
Pembrokeshire
SA73 3SU**

to the extent set out in the schedules.

The notice shall take effect from 18/11/2022

Signed

Date

Holly Noble

18/11/2022

Authorised on behalf of Natural Resources Wales

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 S3.1 is amended and now reads as follows:

| Table S3.1 Point source emissions to air – emission limits and monitoring requirements | | | | | | |
|---|--|---|---|------------------|----------------------|--|
| Emission point ref. & location | Source | Parameter | Limit (including unit) – these limits do not apply during start up or shut down | Reference period | Monitoring frequency | Monitoring standard or method (unless as otherwise agreed in writing with NRW) |
| A1 – A8 A11 – A17 [Points A1 – A8 and A11 – A17 as detailed on site plan in Schedule 7) | Submerged Combustion Vaporisers | Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂) | 107 mg/Nm ³ | One hour sample | Quarterly | BS EN 14792 |
| | | Carbon monoxide | No limit set | Periodic | Quarterly | BS EN 15058 |
| A18 [Point A18 as detailed on site plan in Schedule 7] | Submerged Combustion Vaporiser MCPD Identifier 44-E6901 H | Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂) | 100 mg/Nm ³ | Periodic | Quarterly | BS EN 14792 |
| | | Carbon monoxide | No limit set | Periodic | Quarterly | BS EN 15058 |
| A21 – A24 | Nitrogen plant product nitrogen vents | - | - | - | - | - |
| A28 | Flare (main burners and pilots) | - | - | - | - | - |
| A29 – A32 | Tank 1 relief vents | - | - | - | - | - |
| A33 – A36 | Tank 2 relief vents | - | - | - | - | - |
| A37 – A40 | Tank 3 relief vents | - | - | - | - | - |
| A41 – A44 | Tank 4 relief vents | - | - | - | - | - |
| A45 – A48 | Tank 5 relief vents | - | - | - | - | - |

Table S3.1 Point source emissions to air – emission limits and monitoring requirements

| Emission point ref. & location | Source | Parameter | Limit (including unit) – these limits do not apply during start up or shut down | Reference period | Monitoring frequency | Monitoring standard or method (unless as otherwise agreed in writing with NRW) |
|-----------------------------------|--|-----------|--|------------------|-------------------------|---|
| A51 – A54 | Nitrogen plant (adsorption system) air purification vents | - | - | - | - | - |
| A63 – A66 | Instrument air dryer vents | - | - | - | - | - |
| A70 – A84 | SCV pressure relief valves | - | - | - | - | - |
| A85 – A99 | SCV Burner Management System Fuel Gas Pilot and Interstage vents | - | - | - | - | - |
| A100 - A114 | SCV Burner Management System Fuel Gas Main Burner vents | - | - | - | - | - |
| A115 - A116 | Essential Emergency Generators A & B | - | - | - | - | - |
| A117 - A118 | Diesel Firewater pumps A & B | - | - | - | - | - |
| A119 | Jetty Firewater pump | - | - | - | - | - |
| A120 –A124 | Nitrogen plant (adsorption system) waste gas vents | - | - | - | - | - |
| A125 –A128 | Nitrogen plant main air compressors vents | - | - | - | - | - |
| A129 –A132 | Nitrogen plant column liquid dump vents | - | - | - | - | - |
| A133 –A134 | Nitrogen plant liquid nitrogen storage vents | - | - | - | - | - |
| A135 –A136 | LNG import analyser – gas chromatograph sample gas vents | - | - | - | - | - |
| A137 –A138 | LNG import analyser – sample pump exhaust vents | - | - | - | - | - |

Table S3.1 Point source emissions to air – emission limits and monitoring requirements

| Emission point ref. & location | Source | Parameter | Limit (including unit) – these limits do not apply during start up or shut down | Reference period | Monitoring frequency | Monitoring standard or method (unless as otherwise agreed in writing with NRW) |
|--|--|-----------|--|------------------|-------------------------|---|
| A139 | LNG import analyser vacuum educator vent | - | - | - | - | - |
| A140 –A141 | LNG Export analysers - LNG C6+ Chromatograph Analysers – gas chromatograph sample gas vents | - | - | - | - | - |
| A142 –A143 | LNG Export analysers - LNG Sulphur Chromatograph analysers chromatograph- sample gas vents | - | - | - | - | - |
| A144 – A145 | LNG Export analysers – LNG Sulphur Chromatograph analysers chromatograph- Exhaust | - | - | - | - | - |
| A146 [Point A146 as detailed on site plan in Schedule 7] | Combustion emissions from temporary Portable Air Compressor fuelled on diesel – instrument air compressor / drier skid | - | - | - | - | - |

Table S4.1 is amended and now read as follows:

| 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. | A1 – A8 A11 – A18 | Every 12 months | 1 January |
| Emissions to water Parameters as required by condition 3.5.1 | W1, W2 | Every 6 months | 1 January, 1 July |

Table S4.4 is amended and now reads as follows:

| Table S4.4 Reporting forms | | |
|-----------------------------------|--|---------------------|
| Media/parameter | Reporting format | Date of form |
| Air | Form air 1 or other form as agreed in writing by Natural Resources Wales | 18/11/22 |
| Water | Form water 1 or other form as agreed in writing by Natural Resources Wales | 15/04/21 |
| Water usage | Form water usage 1 or other form as agreed in writing by Natural Resources Wales | 14/10/15 |
| Energy usage | Form energy 1 or other form as agreed in writing by Natural Resources Wales | 14/10/15 |
| Other performance indicators | Form performance 1 or other form as agreed in writing by Natural Resources Wales | 15/04/21 |

Schedule 3 – conditions to be added

None