

BY EMAIL

Mr Gary Evans
Technical Specialist Industry Regulation
Plas Gwendraeth
Heol Parc Mawr,
Cross Hands,
Carmarthenshire,
SA14 6RE

ATTN: [Mr Gary Evans]

06/07/2022

Our Ref: SHLNG/TS/ENV/C/606

Dear Mr Evans ,

RE: Operator: South Hook LNG Terminal Company LTD.
EPR Environmental Permit Number EPR/ XP3538LD
Condition 3.5.1 – Monitoring

Please find enclosed the report(s) of the permit monitoring and assessment undertaken for the Q1 and Q2 2022 period from 1st January 2022 to 30th June 2022.

Please do not hesitate to contact me should you have any queries.

Yours Sincerely



Mr. Luciano Tamilia
Health and Safety Superintendent
Attachments:
• Form Number: Water1 / 15/04/2021

cc Mr Ken Hurley Technical Services Manager

cc Mr Stuart Kelly Operations Manager

Permit Number: EPR/XP3538LD

Operator: South Hook LNG Terminal Company LTD.

Facility: South Hook LNG Terminal Form Number: Water1 / 15/04/2021

REPORTING OF EMISSIONS TO WATER FOR THE PERIOD FROM 01/01/2022 TO 30/06/2022

Emission Point	Substance / Parameter	Emission limit value	Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
W1	pH	6 – 9	Maximum	8.2	BS ISO 10523	24/01/2022 23/03/2022 26/03/2022 27/03/2022 28/03/2022 27/04/2022	2.02%
	Turbidity	No limit set	Not specified	19	BS EN ISO 7027	12/04/2021	44.97%
	Oil and grease	None visible	Spot sample	None visible	Visual check	N/A	N/A
	TOC	No limit set	Spot sample	3.1	BS EN 1484	07/03/2022	11.04%
	List 2 metals (copper, zinc and iron only)	No limit set	Maximum		APHA 3120B		
	Copper			0.005		15/05/2022	3.01%
	Zinc			0.018		10/02/2022	9.12%
	Iron			0.024		14/04/2022	10.13%
W2	Flow	3500 m ³ /day	24 hour - aligned with gas day	1075.87	Flow meter	13/01/2022	0.56%
		164 m ³ /hr	Maximum	104.90		19/01/2022	0.56%
	pH	6 – 9	Daily maximum	8.28	BS ISO 10523	08/03/2022	0.13pH units
	Nitrates as N	50 mg/L	Spot sample	11	APHA 4500-NO ₃ -B	06/01/2022	2.51%
		100 kgN/day	Spot sample	11.7		16/01/2022	2.51%
		50 kgN/day annual mean	Annual average	5.72		N/A	2.51%
	Oil and grease	None visible	Spot sample	None Visible	Visual check	N/A	N/A

Emission Point	Substance / Parameter	Emission limit value	Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
	Total Residual Oxidant (As Total Free Chlorine)	0.1 mg/L	Spot sample	<0.02	Hach DPD Chlorine test kit for Total Free Chlorine	N/A	20.10%
	Biological Oxygen Demand (BOD)	No limit set	Spot sample	17	HMSO BOD5 II	09/06/2022	48.08%
	Temperature	30 °C	Daily maximum	20.56	Standard thermocouple	12/04/2022	0.20%

- [1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.
- [2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with Natural Resources Wales is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography.
- [3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.
- [4] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed

Eamon O'Joylin

Date.....06/07/2022

(Authorised to sign as representative of Operator)