

Permit Number: BK1341IN

Operator: Valero Pembrokehire Oil Terminal Limited

Facility: Valero Pembrokehire Oil Terminal

Form Number: Water1 / 26/10/2018

Reporting of emissions to water (other than to sewer) and land for the period from 01/01/2022 to 31/12/2022

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
C	Flow	10,000 m ³ /day	01/01/2022 to 31/12/2022	9,840	-	19-11-22	-
C	Temperature	°C	01/01/2022 to 31/12/2022	20	°C		-
C	pH	-	01/01/2022 to 31/12/2022	7.7	-	7-3-22 and 19-6-22	-
C	BOD	50 mg/l	01/01/2022 to 31/12/2022	32	Lovibond	08/09/2022	-
C	Suspended Solids	70 mg/l	01/01/2022 to 31/12/2022	40	SIHM 2018/02	05/09/2002	-
C	Ammoniacal Nitrogen	5 mg/l	01/01/2022 to 31/12/2022	0.2	IS 3025 Part 34	23/05/22	-
C	Oil	30 mg/l	01/01/2022 to 31/12/2022	6.9	IP 426, LCWI 024	05/09/2022	-
C	COD	50 mg/l	01/01/2022 to 31/12/2022	48	NEN 6633	18-7-22 and 8-12-22	-
C	Sulphide	1 mg/l	01/01/2022 to 31/12/2022	0.1	IS 3025 Part 29	-	-
C	Total Phenols	7.5 mg/l	01/01/2022 to 31/12/2022	0.1	IS 3025 Part 43	-	-
C	Cyanide	0.25 mg/l	01/01/2022 to 31/12/2022	0.01	HACH 8027	-	-
C	Cadmium	14 ug/l	01/01/2022 to 31/12/2022	0.05	AES 1048	-	-
C	Cadmium	0.46 kg/month	01/01/2022 to 31/12/2022	0.002	AES 1048	-	-
C	Mercury	2 ug/l	01/01/2022 to 31/12/2022	0.6	AES 1048	24-1-22 and 28-2-22	-
C	Mercury	0.06 kg/month	01/01/2022 to 31/12/2022	0.003	AES 1048	-	-

Emission Point	Substance / Parameter	Emission		Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
		Limit Value						
C	Lead	120 ug/l		01/01/2022 to 31/12/2022	1.7	AES 1048	14/11/2022	-
C	Copper	50 ug/l		01/01/2022 to 31/12/2022	6	AES 1048	5-9-22,19-9-22,3-10-22	-
C	Iron	1400 ug/l		01/01/2022 to 31/12/2022	1240	AES 1048	30/05/2022	-
C	Nickel	150 ug/l		01/01/2022 to 31/12/2022	4.9	AES 1048	31/10/2022	-
C	Zinc	150 ug/l		01/01/2022 to 31/12/2022	18	AES 1048	05-9-22 and 3-10-22	-
C	Chromium	50 ug/l		01/01/2022 to 31/12/2022	7	AES 1048	14/11/2022	-
D	Flow	3,500 m ³ /day		01/01/2022 to 31/12/2022	3,347	-	29-12-22	-
D	Temperature	27 °C		01/01/2022 to 31/12/2022	25	-		
D	pH	-		01/01/2022 to 31/12/2022	8.5	-		
D	BOD	50 mg/l		01/01/2022 to 31/12/2022	19	Lovibond	19/07/2022	
D	Suspended Solids	35 mg/l		01/01/2022 to 31/12/2022	8	SIHM 2018/02	24-2-22 and 1-11-22	-
D	Ammoniacal Nitrogen	0.4 mg/l		01/01/2022 to 31/12/2022	0.1	IS 3025 Part 34		-
D	Oil	1.0 mg/l		01/01/2022 to 31/12/2022	1.0	IP 426, LCWI 024		-
D	Cadmium	14 ug/l		01/01/2022 to 31/12/2022	0.05	AES 1048		-
D	Cadmium	0.46 kg/month		01/01/2022 to 31/12/2022	0.001	AES 1048		-
D	Mercury	0.2 kg/month		01/01/2022 to 31/12/2022	0.002	AES 1048		-
D	Lead	50 ug/l		01/01/2022 to 31/12/2022	1.0	AES 1048		-
D	Copper	40 ug/l		01/01/2022 to 31/12/2022	12	AES 1048	11/10/2022	-
D	Iron	1400 ug/l		01/01/2022 to 31/12/2022	575	AES 1048	24/05/2022	-

Emission Point	Substance / Parameter	Emission		Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
		Limit Value						
D	Nickel	10 ug/l		01/01/2022 to 31/12/2022	1.0	AES 1048	6-9-22 and 18-10-22	-
D	Zinc	40 ug/l		01/01/2022 to 31/12/2022	11	AES 1048	13/09/2022	-
D	Chromium	-		01/01/2022 to 31/12/2022	4.5	AES 1048	19/07/2022	-
C and D	Cadmium	5.5 kg/year		01/01/2022 to 31/12/2022	0.033	AES 1048		-
C and D	Mercury	0.70 kg/year		01/01/2022 to 31/12/2022	0.068	AES 1048		-

[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

.....
 (Authorised to sign as representative of Operator)

Date.....

Permit Number: BK1341IN

Operator: Valero Pembrokehire Oil Terminal Limited

Facility: Valero Pembrokehire Oil Terminal

Form Number: WaterUsage1 / 26/10/2018

Reporting of Water Usage for the year 2022

Water Source	Usage (m ³ /year)	Specific Usage (m ³ /unit output)
Potable	2,980	-
Raw	59,810	0.01
TOTAL		

Operator's comments :

Unit output = total m³ throughput (imports, exports and inter tank transfers).

Signed

.....
 (authorised to sign as representative of Operator)

Date.....

Drafting note: if the operator is required to submit Resource Efficiency Physical Index (REPI) data to the Pollution Inventory, please ensure that no metrics are repeated in this reporting form.