

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF

November 2021

Operator: Valero Pembrokehire Oil Terminal Limited

Location: Main Road, Waterston, Pembrokehire, SA73 1DR

Permit Number: EPR/BK1341IN

Variation Number: EPR/BK1341IN/V007 Release Point: C

	Flow (m ³ /day)	Temperature (°C)	pH	BOD (mg/l)	Suspended Solids (mg/l)	Ammoniacal Nitrogen (mg/l)	Total Oil (mg/l)
Limit	10,000	30	max 9.0 min 6.0	50	70	5	30
Day 1	482	9	7.1		14	<0.1	<1
2	292	6	7.0	20			
3	492	8	7.1				
4	54	8	7.1	11	13		
5	153	6	7.0				
6	270	15	6.9				
7	339	15	7.2				
8	347	15	7.2		10	<0.1	<1
9	319	10	7.3	9			
10	310	12	7.2				
11	1,112	12	7.3	5	16		
12	988	12	7.3				
13	970	14	7.1				
14	741	14	7.2				
15	772	13	7.2		7	<0.1	<1
16	1,317	14	7.2	5			
17	521	10	7.4				
18	973	15	7.3	10	10		
19	588	11	7.4				
20	558	6	7.3				
21	905	6	7.2				
22	704	5	7.4		6	<0.1	<1
23	377	8	7.3	6			
24	375	8	7.4				
25	594	6	7.4	3	1		
26	283	6	7.3				
27	623	8	7.4				
28	819	4	7.4				
29	96	5	7.4		4	<0.1	<1
30	569	7	7.3	8			
Maximum	1,317	15	7.4	20	16	0.1	1
Minimum	54	4	6.9	3	1	0.1	1
Flow- Weighted Average	-	10	7.2	7	10	0.1	1

Signed on behalf of the Operator
Name

Date 14 December 2021

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF

November 2021

Operator: Valero Pembrokehire Oil Terminal Limited

Location: Main Road, Waterston, Pembrokehire, SA73 1DR

Permit Number: EPR/BK1341IN

Variation Number: EPR/BK1341IN/V007

Release Point: C

	COD (mg/l)	Sulphide (mg/l)	Total Phenols (mg/l)	Cyanide (mg/l)
Limit	50	1	7.5	0.25
Day				
1	7	<0.1	<0.1	<0.01
2				
3				
4				
5				
6				
7				
8	9	<0.1	<0.1	<0.01
9				
10				
11				
12				
13				
14				
15	8	<0.1	<0.1	<0.01
16				
17				
18				
19				
20				
21				
22	47	<0.1	<0.1	<0.01
23				
24				
25				
26				
27				
28				
29	37	<0.1	<0.1	<0.01
30				
Maximum	47	0.1	0.1	0.01
Minimum	7	0.1	0.1	0.01
Flow- Weighted Average	21	0.1	0.1	0.01

Signed on behalf of the Operator
Name

Date 14 December 2021

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF

November 2021

Operator: Valero Pembrokeshire Oil Terminal Limited

Location: Main Road, Waterston, Pembrokeshire, SA73 1DR

Permit Number: EPR/BK1341IN Variation Number: EPR/BK1341IN/V007 Release Point: C

Date	Cadmium		Mercury		Lead	Copper	Iron	Nickel	Zinc	Chromium
	(ug/l)	(g/day)	(ug/l)	(g/day)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Limit	14	0.46	2	0.06	120	50	1400	150	150	50
		(kg/mth)		(kg/mth)						
Week 1	<0.05	0.024	<0.1	0.048	<1.0	<3	38	<0.5	<4	<2.0
Week 2	<0.05	0.017	<0.1	0.035	<1.0	<3	49	<0.5	<4	2.7
Week 3	<0.05	0.039	<0.1	0.077	<1.0	<3	74	0.6	<4	2.9
Week 4	<0.05	0.035	<0.1	0.070	<1.0	<3	177	1.1	<4	3.4
Week 5	<0.05	0.005	<0.1	0.010	<1.0	<3	340	2	<4	4.1
Maximum	0.05	0.039	0.1	0.077	1.0	3	340	2.0	4	4.1
Minimum	0.05	0.005	0.1	0.010	1.0	3	38	0.6	4	2.0
Total		0.0007		0.001						
Flow-Weighted Average	0.05	-	0.1	-	1.0	3	104	1	4	3

Signed on behalf of the Operator
Name

Date 14 December 2021

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF

November 2021

Operator: Valero Pembrokeshire Oil Terminal Limited

Location: Main Road, Waterston, Pembrokeshire, SA73 1DR

Permit Number: EPR/BK1341IN Variation Number: EPR/BK1341IN/V007 Release Point: D

Day	Limit	Flow (m ³ /day)	Suspended Solids (mg/l)	BOD (mg/l)	Ammoniacal Nitrogen (mg/l)	Temperature (°C)	pH max 8.5 min 6.0	Oil (mg/l)
		3500	35	50	0.4	27		5
1		1,736						
2		1,572	1	4	<0.1	13	6.9	<1
3		1,181						
4		1,147	1			15	6.8	
5		1,063						
6		1,145						
7		611						
8		809						
9		821	1	5	<0.1	15	7.1	<1
10		848						
11		868	1			16	6.9	
12		814						
13		873						
14		928						
15		821						
16		804	1	1	<0.1	17	7.0	<1
17		793						
18		804	1			17	7.0	
19		734						
20		735						
21		687						
22		656						
23		670	1	2	<0.1	11	7.2	<1
24		636						
25		661	<1			15	7.1	
26		689						
27		709						
28		797						
29		681						
30		728	1	3	<0.1	11	7.3	<1
Maximum		1,736	1	5	0.1	17	7.3	1
Minimum		611	1	1	0.1	11	6.8	1
Flow- Weighted Average		-	1	3	0.1		7.0	1

Signed on behalf of the Operator

Date 14 December 2021

Name

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF

November 2021

Operator: Valero Pembrokehire Oil Terminal Limited

Location: Main Road, Waterston, Pembrokehire, SA73 1DR

Permit Number: EPR/BK1341IN

Variation Number: EPR/BK1341IN/V007

Release Point: D

Date	Cadmium		Mercury	
	Limit (ug/l)	(g/day) (kg/mth)	(ug/l)	(g/day) (kg/mth)
	14	0.46		0.06
Week 1	<0.05	0.0100	<0.1	0.157
Week 2	<0.05	0.0411	<0.1	0.082
Week 3	<0.05	0.0402	<0.1	0.080
Week 4	<0.05	0.0335	<0.1	0.067
Week 5	<0.05	0.0364	<0.1	0.073
Maximum	0.05	0.0411	0.1	0.157
Minimum	0.05	0.0100	0.1	0.067
Total		0.0010		0.003
Flow-Weighted Average	-	0.05	-	0.1

Signed on behalf of the Operator
Name

Date 14 December 2021

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF

November 2021

Operator: Valero Pembrokeshire Oil Terminal Limited

Location: Main Road, Waterston, Pembrokeshire, SA73 1DR

Permit Number: EPR/BK1341IN Variation Number: EPR/BK1341IN/V007 Release Point: D

Day	Limit	Lead (ug/l)	Copper (ug/l)	Iron (ug/l)	Nickel (ug/l)	Zinc (ug/l)	Chromium (ug/l)
		50	40	1400	10	40	
1							
2		<1.0	<3	34	<0.5	<4	3.4
3							
4							
5							
6							
7							
8							
9		<1.0	<3	10	<0.5	6	4.2
10							
11							
12							
13							
14							
15							
16		<1.0	<3	17	<0.5	<4	3.2
17							
18							
19							
20							
21							
22							
23		<1.0	<3	38	<0.5	<4	4.3
24							
25							
26							
27							
28							
29							
30		<1.0	<3	73	0.6	<4	4.2
Maximum		1.0	3	73	0.6	6	4.3
Minimum		1.0	3	10	0.5	4	3.2
Total (kg/mth)		0.00	0.01	0.15	0.002	0.02	0.02
Flow-Weighted Average		1	3	33	0.5	4	4

Signed on behalf of the Operator

Date

14 December 2021