

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF

September 2022

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

	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	72	15	7.5	2	6		<1
2	75	12	7.5				<1
3	464	16	7.0				
4	283	14	7.2				
5	178	14	7.2		40	<0.1	6.9
6	394	17	7.2	23			3.1
7	293	15	7.3				<1
8	317	15	7.2	32	36		<1
9	289	14	7.1				4.9
10	294	14	6.8				
11	376	14	7.0				
12	470	10	7.1		16	<0.1	<1
13	232	12	7.3	18			
14	190	14	7.3				
15	127	9	7.3	7	8		
16	144	17	7.3				
17	187	15	6.8				
18	165	15	7.0				
19	120	15	7.2		4	<0.1	<1
20	126	13	7.4	3			
21	123	9	7.3				
22	116	10	7.3	2	5		
23	115	15	7.3				
24	121	10	7.3				
25	110	10	7.2				
26	104	10	7.3		1	<0.1	<1
27	117	14	7.3	2			
28	123	8	7.4				
29	128	12	7.3	4	2		
30	222	14	7.3				
31							
Maximum	470	17	7.5	32	40	0.1	6.9
Minimum	72	8	6.8	2	1	0.1	1
Flow-Weighted Average	-	13	7.2	16	18	0.1	2

Signed on behalf of the Operator
Name

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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				
2				
3				
4				
5	37	<0.1	<0.1	<0.01
6				
7				
8				
9				
10				
11				
12	34	<0.1	<0.1	<0.01
13				
14				
15				
16				
17				
18				
19	21	<0.1	<0.1	<0.01
20				
21				
22				
23				
24				
25				
26	39	<0.1	<0.1	<0.01
27				
28				
29				
30				
31				
Maximum	39	0.1	0.1	0.01
Minimum	21	0.1	0.1	0.01
Flow- Weighted Average	33	0.100	0.100	0.0100

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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	30	1200	30	150	10
		(kg/mth)		(kg/mth)						
Week 1	<0.05	0.0089	<0.1	0.018	1.4	6	1140	2.6	18	3.6
Week 2	<0.05	0.0235	<0.1	0.047	<1.0	5	1170	<0.5	13	<2.0
Week 3	<0.05	0.0060	<0.1	0.012	<1.0	6	606	<0.5	5	<2.0
Week 4	<0.05	0.0052	<0.1	0.010	<1.0	<3	245	0.7	<4	<2.0
Week 5										
Maximum	0.05	0.0235	0.1	0.047	1.4	6	1170	2.6	18	3.6
Minimum	0.05	0.0052	0.1	0.010	1.0	3	245	0.5	4	2.0
Total		0.00034		0.0007						
Flow-Weighted Average	0.05		0.1		1.0	3	976	1	4	2

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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	Oil (mg/l)
		3500	35	50	0.4	27		
1		563	2	8		19	7.2	
2		337						
3		447						
4		474						
5		527						
6		618	1		<0.1	17	7.2	<1
7		957						
8		926	1	16		20	7.1	
9		919						
10		325						
11		296						
12		787						
13		640	2	5	<0.1	16	6.9	<1
14		586						
15		589	2			15	7.1	
16		564						
17		523						
18		586						
19		460						
20		513	1	3	<0.1	16	6.9	<1
21		519						
22		463	2			15	6.9	
23		440						
24		837						
25		296						
26		302						
27		815	1	4	<0.1	16	7.0	<1
28		845						
29		836	1			15	7.2	
30		820						
31								
Maximum		957	2	16	0.1	20	7.2	1
Minimum		296	1	3	0.1	15	6.9	1
Flow- Weighted Average		-	1	8	0.1		7.1	1

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RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF

September 2022

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	
	(ug/l)	(g/day)	(ug/l)	(g/day)
Limit	14	0.46		0.06
		(kg/mth)		(kg/mth)
Week 1	<0.05	0.618	<0.1	0.062
Week 2	<0.05	0.640	<0.1	0.064
Week 3	<0.05	0.513	<0.1	0.051
Week 4	<0.05	0.815	<0.1	0.082
Week 5				
Maximum	0.05	0.513	0.1	0.051
Minimum	0.05	0.815	0.1	0.082
Total		0.0200		0.002
Flow-Weighted Average	-	0.05		0.1

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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							
3							
4							
5							
6		<1.0	5	182	1.0	<4	<2.0
7							
8							
9							
10							
11							
12							
13		<1.0	11	185	0.8	11	<2.0
14							
15							
16							
17							
18							
19							
20		<1.0	7	91	0.7	<4	2.1
21							
22							
23							
24							
25							
26							
27		<1.0	3	91	0.6	<4	<2.0
28							
29							
30							
31							
Maximum		1.0	11	185	1.0	11	2.1
Minimum		1.0	3	91	0.6	4	2.0
Total (kg/mth)		0.020	0.06	2.73	0.010	0.08	0.04
Flow-Weighted Average		1	3	136	0.5	4	2

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