

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF **February 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**

Day	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
1	458	10	7.5	6			
2	200	7	7.5				
3	168	7	7.4		3		
4	91	7	7.5				
5	469	10	7.5				
6	367	10	7.5				
7	339	7	7.6		3	<0.1	<1
8	202	6	7.5	6			
9	166	11	7.5				
10	401	8	7.3	3	2		
11	386	6	7.5				
12	346	6	7.5				
13	265	9	7.6				
14	2,523	6	7.4		4	<0.1	<1
15	304	8	7.5	12			
16	24	12	7.4				
17	310	8	7.5	9	6		
18	818	11	7.1				
19	602	9	7.2				
20	421	10	7.2				
21	475	7	7.3		7	<0.1	<1
22	101	9	7.4	16			
23	13	13	7.4				
24	22	6	7.4	11	4		
25	26	8	7.4				
26	28	10	7.4				
27	42	11	7.4				
28	50	8	7.4		2	<0.1	<1
Maximum	2,523	13	7.6	16	7	0.1	1
Minimum	13	6	7.1	3	2	0.1	1
Flow-Weighted Average	-	9	7.4	7	4	0.1	1

Signed on behalf of the Operator
Name

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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				
6				
7	<1	<0.1	<0.1	<0.01
8				
9				
10				
11				
12				
13				
14	<1	<0.1	<0.1	<0.01
15				
16				
17				
18				
19				
20				
21	28	<0.1	<0.1	<0.01
22				
23				
24				
25				
26				
27				
28	<1	<0.1	<0.1	<0.01
29				
30				
31				
Maximum	28	0.1	0.1	0.01
Minimum	1	0.1	0.1	0.01
Flow- Weighted Average	5	0.1	0.1	0.01

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RELEASE SUMMARY FOR THE MONTH OF

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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	30	1200	30	150	10
		(kg/mth)		(kg/mth)						
Week 1	<0.05	0.0170	<0.1	0.034	<1.0	<3	<20	<0.5	<4	2.9
Week 2	<0.05	0.1262	<0.1	0.252	<1.0	<3	24	0.6	<4	2.5
Week 3	<0.05	0.0238	<0.1	0.048	<1.0	<3	194	1.1	4	2.2
Week 4	<0.05	0.0025	0.6	0.005	<1.0	<3	241	1.1	<4	2.2
Maximum	0.05	0.0025	0.6	0.005	1.0	3	241	1.1	4	2.9
Minimum	0.05	0.1262	0.1	0.252	1.0	3	20	0.5	4	2.2
Total		0.0012		0.002						
Flow-Weighted Average	0.05		0.1		1.0	3	51	1	4	2

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Operator: Valero Pembroke Oil Terminal Limited

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

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

Day	Flow (m ³ /day)	Suspended Solids (mg/l)	BOD (mg/l)	Ammoniacal Nitrogen (mg/l)	Temperature (°C)	pH	Oil (mg/l)
	Limit	3500	35	50	0.4	27	
1	283	1	2	<0.1	13	6.7	<1
2	58						
3	59	<1			13	6.7	
4	411						
5	1,252						
6	76						
7	441						
8	182	2	4	<0.1	11	7.3	<1
9	266						
10	703	6			9	7.2	
11	717						
12	755						
13	700						
14	1,050						
15	537	7	6	<0.1	12	7.1	<1
16	1,526						
17	868	7			11	7.4	
18	968						
19	1,016						
20	932						
21	758						
22	769	6	7	<0.1	12	7.3	<1
23	768						
24	819	8			13	7.3	
25	798						
26	794						
27	748						
28	704						
29							
30							
31							
Maximum	1,526	8	7	0.1	13	7.4	1
Minimum	58	1	2	0.1	9	6.7	1
Flow- Weighted Average	-	6	3	0.1		7.1	1

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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	0.283	<0.1	0.028
Week 2	<0.05	0.182	<0.1	0.018
Week 3	<0.05	0.537	<0.1	0.054
Week 4	<0.05	0.769	<0.1	0.077
Week 5				
Maximum	0.05	0.182	0.1	0.018
Minimum	0.05	0.769	0.1	0.077
Total		0.0137		0.001
Flow-Weighted Average	-			

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	Lead (ug/l)	Copper (ug/l)	Iron (ug/l)	Nickel (ug/l)	Zinc (ug/l)	Chromium (ug/l)
Limit	50	40	1400	10	40	
Day						
1	<1.0	<3	<20	<0.5	<4	3.2
2						
3						
4						
5						
6						
7						
8	<1.0	<3	<20	<0.5	<4	<2.0
9						
10						
11						
12						
13						
14						
15	<1.0	<3	<20	<0.5	<4	2.3
16						
17						
18						
19						
20						
21						
22	<1.0	<3	<20	<0.5	<4	2.6
23						
24						
25						
26						
27						
28						
Maximum	1.0	3	20	0.5	4	3.2
Minimum	1.0	3	20	0.5	4	2.0
Total (kg/mth)	0.012	0.04	0.25	0.006	0.05	0.03
Flow-Weighted Average	1	3	20	0.5	4	3

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