

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF

April

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	Temperature	pH	BOD	Suspended Solids	Ammoniacal Nitrogen	Total Oil
	(m ³ /day)	(°C)		(mg/l)	(mg/l)	(mg/l)	(mg/l)
Limit	10,000	30	max 9.0 min 6.0	50	70	5	30
Day							
1	0						
2	0						
3	0						
4	0						
5	0						
6	0						
7	0						
8	0						
9	0						
10	0						
11	0						
12	0						
13	0						
14	0						
15	0						
16	0						
17	0						
18	0						
19	0						
20	0						
21	0						
22	0						
23	0						
24	0						
25	0						
26	0						
27	0						
28	0						
29	0						
30	0						
31							
Maximum							
Minimum							
Flow-Weighted Average	-						

Repairs to the water draw off tower required emptying the East Catch Basin in March. Low rainfall has resulted in water levels remaining below normal operation levels throughout April. When water level is below normal operation level, there is no flow and no effluent samples are collected for analysis.

Water level returned to normal operation levels on 18 May 2022 and sampling and analysis resumed.

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

Repairs to the water draw off tower required emptying the East Catch Basin in March. Low rainfall has resulted in water levels remaining below normal operation levels throughout April. When water level is below normal operation level, there is no flow and no effluent samples are collected for analysis.

Water level returned to normal operation levels on 18 May 2022 and sampling and analysis resumed.

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RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF

April 2022

Operator: Valero Pembroke Oil Terminal Limited

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

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

	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
Date		(kg/mth)		(kg/mth)						
Week 1		No flow, no effluent samples analysed								
Week 2										
Week 3										
Week 4										
Maximum										
Minimum										
Total										
Flow-Weighted Average										

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

	Flow (m ³ /day)	Suspended Solids (mg/l)	BOD (mg/l)	Ammoniacal Nitrogen (mg/l)	Temperature (°C)	pH	Oil (mg/l)
Day	Limit	3500	35	50	0.4	27	
1	571						
2	1,756						
3	815						
4	1,116						
5	897	1	7	<0.1	13	7.1	<1
6	448						
7	10	2			13	6.8	
8	95						
9	331						
10	346						
11	744						
12	667	2	7	<0.1	12	7.1	<1
13	305						
14	357	3			15	7.2	
15	406						
16	401						
17	384						
18	375						
19	331	2	10	<0.1	11	7.3	<1
20	503						
21	489	2			17	7.8	
22	445						
23	164						
24	74						
25	77						
26	76	1	3	<0.1	17	6.8	<1
27	114						
28	113	1			18	6.7	
29	95						
30	663						
Maximum	1,756	3	10	0.1	18	7.8	1
Minimum	10	1	3	0.1	11	6.7	1
Flow- Weighted Average	-	2	7	0.1		7.1	1

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Variation Number: EPR/BK1341IN/V007

Release Point: D

	Cadmium		Mercury	
	(ug/l)	(g/day)	(ug/l)	(g/day)
Limit	14	0.46		0.06
		(kg/mth)		(kg/mth)
Date				
Week 1	<0.05	0.897	<0.1	0.090
Week 2	<0.05	0.667	<0.1	0.067
Week 3	<0.05	0.331	<0.1	0.033
Week 4	<0.05	0.076	<0.1	0.008
Week 5				
Maximum	0.05	0.076	0.1	0.008
Minimum	0.05	0.897	0.1	0.090
Total		0.0148		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						
2						
3						
4						
5	<1.0	<3	144	0.7	5	<2.0
6						
7						
8						
9						
10						
11						
12	<1.0	<3	150	0.7	6	2.0
13						
14						
15						
16						
17						
18						
19	<1.0	<3	116	0.7	<4	2.1
20						
21						
22						
23						
24						
25						
26	<1.0	<3	82	<0.5	5	2.1
27						
28						
29						
30						
Maximum	1.0	3	150	0.7	6	2.1
Minimum	1.0	3	82	0.5	4	2.0
Total (kg/mth)	0.015	0.04	2.05	0.010	0.08	0.03
Flow-Weighted Average	1	3	139	0.7	5	2

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