

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF

April

2023

Operator: Valero Pembrokeshire Oil Terminal Limited

Days per month

30

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

Permit Number: EPR/BK1341IN

Variation Number: EPR/BK1341IN/V007

Release Point: C

Day	Limit	Flow (m ³ /day)	Temperature (°C)	pH	BOD (mg/l)	Suspended Solids (mg/l)	Ammoniacal Nitrogen (mg/l)	Total Oil (mg/l)
		10,000	30	max 9.0 min 6.0	50	70	5	30
1		0	15	7.1				
2		0	16	7.1				
3		0	16	7.1				
4		5	14	7.2	3			
5		0	13	7.2				
6		0	15	7.2				
7		296	8	7.2				
8		544	15	7.2				
9		637	10	7.3				
10		523	10	7.3		4	<0.1	<1
11		1,103	9	7.3	1			
12		158	13	7.3				
13		0	15	7.3				
14		54	12	7.3				
15		450	13	7.3				
16		522	13	7.3				
17		558	13	7.4		3	<0.1	<1
18		607	10	7.4	1			
19		367	10	7.4				
20		814	15	7.4	7	8		
21		469	17	7.3				
22		354	15	7.1				
23		310	16	7.2				
24		266	15	7.3		6	<0.1	<1
25		541	12	7.3	1			
26		440	10	7.4				
27		240	10	7.4	4	6		
28		289	13	7.3				
29		203	18	7.0				
30		221	18	7.1				
Maximum		1,103	18	7.4	7	8	0.1	1
Minimum		0	8	7.0	1	3	0.1	1
Flow-Weighted Average		-	13	7.3	3	6	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				
8				
9				
10	22	<0.1	<0.1	<0.01
11				
12				
13				
14				
15				
16				
17	15	<0.1	<0.1	<0.01
18				
19				
20				
21				
22				
23				
24	9	<0.1	<0.1	<0.01
25				
26				
27				
28				
29				
30				
31				
Maximum	22	0.1	0.1	0.01
Minimum	9	0.1	0.1	0.01
Flow- Weighted Average	17	0.1	0.1	0.01

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RELEASE SUMMARY FOR THE MONTH OF

April 2023

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

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	No flow recorded from Release Point C									
Week 2	No flow recorded from Release Point C									
Week 3	<0.05	0.0407	<0.1	0.081	<1.0	<3	586	0.6	9	<2.0
Week 4	<0.05	0.0120	<0.1	0.024	<1.0	9	568	0.8	8	<2.0
Week 5										
Maximum	0.05	0.0407	0.1	0.081	1.0	9	586	0.8	9	2.0
Minimum	0.05	0.0120	0.1	0.024	1.0	3	568	0.5	8	2.0
Total		0.0008		0.0016						
Flow-Weighted Average	0.05		0.1		1.0	4	582	1	9	2

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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		2,797						
2		3,157						
3		3,060						
4		2,879	3	2	<0.1	16	7.4	<1
5		2,693						
6		2,604	1			17	7.2	
7		2,543						
8		2,203						
9		2,060						
10		1,203						
11		558	2	1	<0.1	10	6.7	<1
12		859						
13		3,450	2			17	7.4	
14		1,095						
15		1,293						
16		2,013						
17		1,919						
18		961	5	2	<0.1	16	7.4	<1
19		1,485						
20		2,615	16			17	7.5	
21		1,194						
22		1,128						
23		1,045						
24		1,083						
25		1,352	6	2	<0.1	15	7.2	<1
26		1,321						
27		1,329	3			15	7.3	
28		1,866						
29		1,828						
30		1,835						
Maximum		3,450	16	2	0.1	17	7.5	1
Minimum		558	1	1	0.1	10	6.7	1
Flow- Weighted Average		-	5	2	0.10		7.3	1

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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	2.879	<0.1	0.288
Week 2	<0.05	0.558	<0.1	0.056
Week 3	<0.05	0.961	<0.1	0.096
Week 4	<0.05	1.352	<0.1	0.135
Week 5				
Maximum	0.05	2.879	0.1	0.288
Minimum	0.05	0.558	0.1	0.056
Total		0.0431		0.004
Flow-Weighted Average	-	0.05		0.1

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

Day	Limit	Lead (ug/l) 50	Copper (ug/l) 40	Iron (ug/l) 1400	Nickel (ug/l) 10	Zinc (ug/l) 40	Chromium (ug/l)
1							
2							
3							
4		<1.0	<3	133	<0.5	4	<2.0
5							
6							
7							
8							
9							
10							
11		<1.0	6	35	<0.5	5	<2.0
12							
13							
14							
15							
16							
17							
18		<1.0	<3	68	<0.5	6	<2.0
19							
20							
21							
22							
23							
24							
25		<1.0	3	100	<0.5	5	<2.0
26							
27							
28							
29							
30							
Maximum		1.0	6	133	0.5	6	2.0
Minimum		1.0	3	35	0.5	4	2.0
Total (kg/mth)		0.043	0.14	4.52	0.022	0.20	0.09
Flow-Weighted Average		1	3	105	0.5	5	2

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Name