

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF

May 2023

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	439	18	7.2		6	<0.1	<1
2	218	17	7.3	3			
3	155	16	7.5				
4	352	10	7.4	4	6		
5	351	15	7.3				
6	103	15	7.2				
7	114	15	7.2				
8	259	15	7.3		5	<0.1	<1
9	663	14	7.3	2			
10	465	13	7.2				
11	1,030	8	7.3	3	8		
12	800	15	7.3				
13	180	15	7.0				
14	130	16	7.1				
15	66	13	7.3		8	<0.1	<1
16	7	10	7.4	4			
17	0						
18	0						
19	0						
20	1	19	7.1				
21	124	19	7.2				
22	227	17	7.4		6	<0.1	<1
23	192	13	7.5	5			
24	35	8	7.5				
25	0						
26	0						
27	0						
28	0						
29	1	17	7.2	4	6	<0.1	<1
30	0						
31	0						
Maximum	1,030	19	7.5	5	8	0.1	1
Minimum	0	8	7.0	2	5	0.1	1
Flow-Weighted Average	-	14	7.3	3	7	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	8	<0.1	<0.1	<0.01
2				
3				
4				
5				
6				
7				
8	15	<0.1	<0.1	<0.01
9				
10				
11				
12				
13				
14				
15	9	<0.1	<0.1	<0.01
16				
17				
18				
19				
20				
21				
22	7	<0.1	<0.1	<0.01
23				
24				
25				
26				
27				
28				
29	35	<0.1	<0.1	<0.01
30				
31				
Maximum	35	0.1	0.1	0.01
Minimum	7	0.1	0.1	0.01
Flow- Weighted Average	10	0.1	0.1	0.01

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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	0.0220	<0.1	0.0439	<1.0	<3	812	0.8	24	<2.0
Week 2	<0.05	0.0130	<0.1	0.0259	<1.0	3	696	0.8	23	<2.0
Week 3	<0.05	0.0033	<0.1	0.0066	<1.0	<3	881	1.1	41	<2.0
Week 4	<0.05	0.0114	<0.1	0.0227	<1.0	<3	531	0.9	24	<2.0
Week 5	<0.05	0.0001	<0.1	0.0001	<1.0	<3	150	0.9	25	<2.0
Maximum	0.05	0.0220	0.1	0.0439	1.0	3	881	1.1	41	2.0
Minimum	0.05	0.0001	0.1	0.0001	1.0	3	150	0.8	23	2.0
Total		0.0003		0.0006						
Flow-Weighted Average	0.05		0.1		1.0	3	721	1	25	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		0						
2		321	1	1	<0.1	18	6.8	<1
3		1,443						
4		1,783	6			17	7.4	
5		774						
6		874						
7		1,157						
8		1,219						
9		1,245	<1	1	<0.1	18	6.9	<1
10		2,319						
11		2,222	1			15	7.1	
12		1,137						
13		360						
14		661						
15		689						
16		1,050	1	2	<0.1	16	7.4	<1
17		1,002						
18		407	2			17	7.0	
19		354						
20		1,405						
21		227						
22		217						
23		221	2	1	<0.1	17	6.8	<1
24		194						
25		1,047	1			19	7.8	
26		1,001						
27		949						
28		1,022						
29		950						
30		889	4	1	0.1	18	8.3	<1
31		896						
Maximum		2,319	6	2	0.1	19	8.3	1
Minimum		194	1	1	0.1	15	6.8	1
Flow- Weighted Average		-	3	1	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)	(g/day)
	14	0.46		0.06
		(kg/mth)		(kg/mth)
Week 1	<0.05	0.321	<0.1	0.032
Week 2	<0.05	1.245	<0.1	0.125
Week 3	<0.05	1.050	<0.1	0.105
Week 4	<0.05	0.221	<0.1	0.022
Week 5	0.34	0.889	<0.2	0.089
Maximum	0.05	1.245	0.1	0.125
Minimum	0.05	0.221	0.1	0.022
Total		0.0231		0.002
Flow-Weighted Average	-	0.05		0.1

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	Lead (ug/l)	Copper (ug/l)	Iron (ug/l)	Nickel (ug/l)	Zinc (ug/l)	Chromium (ug/l)
Day	Limit	50	40	1400	10	40
1						
2	<1.0	<3	111	<0.5	24	<2.0
3						
4						
5						
6						
7						
8						
9	<1.0	4	67	<0.5	25	<2.0
10						
11						
12						
13						
14						
15						
16	<1.0	3	91	<0.5	25	<2.0
17						
18						
19						
20						
21						
22						
23	<1.0	3	93	<0.5	25	<2.0
24						
25						
26						
27						
28						
29						
30	1	4	201	0.6	21	<2.0
31						
Maximum	1.0	6	201	0.5	25	2.0
Minimum	1.0	3	67	0.5	4	2.0
Total (kg/mth)	0.023	0.08	2.57	0.012	0.55	0.05
Flow-Weighted Average	1	4	111	0.5	24	2

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