

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF

October 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	2,900	16	6.7				
2	3,750	17	7.0				
3	2,790	15	7.3		12	<0.1	<1
4	1,870	15	7.2		8		<1
5	3,060	11	7.2		11		
6	0	No flow from East Catch Basin. Refer to Part B notification 03/22.					
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	1,534	15	7.1	17	18	<0.1	1.4
26	1,120	15	6.4		15		1.1
27	1,660	15	7.0	8	12		1.5
28	4,810	10	7.3		11		2.3
29	4,270	17	7.0				
30	700	15	7.2				
31	2,300	14	7.3		14	<0.1	<1
Maximum	4,810	17	7.3	17	18	0.1	2.3
Minimum	0	10	6.4	8	8	0.1	1
Flow-Weighted Average	-	15	7.1	12	12	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	36	<0.1	<0.1	<0.01
4				
5	No flow from East Catch Basin. Refer to Part B notification 03/22.			
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	17	<0.1	<0.1	<0.01
Maximum	36	0.1	0.1	0.01
Minimum	17	0.1	0.1	0.01
Flow- Weighted Average	27	0.100	0.100	0.0100

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	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	<0.05	0.1395	<0.1	0.279	1.4	6	1140	2.6	18	3.6
Week 2	No flow from East Catch Basin. Refer to Part B notification 03/22.									
Week 3										
Week 4										
Week 5	<0.05	0.1150	<0.1	0.230	<1	<3	851	4.9	12	2.1
Maximum	0.05	0.1395	0.1	0.279	1.4	6	1140	4.9	18	3.6
Minimum	0.05	0.1150	0.1	0.230	1.0	3	851	2.6	12	2.1
Total		0.00394		0.0079						
Flow-Weighted Average	0.05		0.1		1.2	5	1009	4	15	3

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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	293						
2	385						
3	648						
4	336	1	4	<0.1	17	6.8	<1
5	360						
6	689	1					
7	668						
8	881						
9	797						
10	681						
11	691	1	7	<0.1	18	6.8	<1
12	592						
13	603	1			17	6.8	
14	604						
15	658						
16	744						
17	695						
18	686	1	3	<0.1	18	6.7	<1
19	695						
20	702	1			17	6.5	
21	658						
22	695						
23	655						
24	728						
25	753	1	2	<0.1	17	6.9	<1
26	2,311						
27	2,588	1			16	6.8	
28	2,371						
29	2,208						
30	2,193						
31	2638						
Maximum	2,638	1	7	0.1	18	6.9	1
Minimum	336	1	2	0.1	16	6.5	1
Flow- Weighted Average	-	1	4	0.10		6.8	1

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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	0.336	<0.1	0.034
Week 2	<0.05	0.691	<0.1	0.069
Week 3	<0.05	0.686	<0.1	0.069
Week 4	<0.05	0.753	<0.1	0.075
Week 5				
Maximum	0.05	0.336	0.1	0.034
Minimum	0.05	0.753	0.1	0.075
Total		0.0191		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)
Limit	50	40	1400	10	40	
Day						
1						
2						
3						
4	<1.0	4	104	0.6	<4	2.1
5						
6						
7						
8						
9						
10						
11	<1.0	12	58	<0.5	<4	<2.0
12						
13						
14						
15						
16						
17						
18	<1.0	<3	53	1	<4	3.1
19						
20						
21						
22						
23						
24						
25	<1.0	<3	63	<0.5	<4	<2.0
26						
27						
28						
29						
30						
31						
Maximum	1.0	12	104	0.6	4	3.1
Minimum	1.0	3	53	0.5	4	2.0
Total (kg/mth)	0.019	0.11	1.23	0.012	0.08	0.04
Flow-Weighted Average	1	6	64	0.7	4	2

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