

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF

March 2022

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**

	Flow (m ³ /day)	Temperature (°C)	pH	BOD (mg/l)	Suspended Solids (mg/l)	Ammoniacal Nitrogen (mg/l)	Total Oil (mg/l)	
Day	Limit 10,000	30	max 9.0 min 6.0	50	70	5	30	
1	14	6	7.4	9				
2	18	12	7.4					
3	6	7	7.5	7	9			
4	2	6	7.5					
5	0	No flow, no effluent samples for analysis.						
6	10	10	7.3					
7	3	7	7.7		6	<0.1	<1	
8	9	7	7.4	14				
9	12	11	7.4					
10	9	7	7.4	4	3			
11	2	14	7.4					
12	0	No flow, no effluent samples for analysis.						
13	6	8	7.3					
14	18	6	7.4		5	<0.1	<1	
15	14	6	7.4	14				
16	3	10	7.4					
17	0	No flow, no effluent samples for analysis.						
18	2	7	7.5					
19	2	12	7.2					
20	2	9	7.3					
21	18	6	7.4		5	<0.1	<1	
22	4	9	7.5	13				
23	0	No flow, no effluent samples for analysis.						
24	8	11	7.5	8	6			
25	3	9	7.3					
26	0	No flow, no effluent samples for analysis.						
27	3	9	7.1					
28	14	10	7.4		5	<0.1	<1	
29	0	No flow, no effluent samples for analysis.						
30	0							
31	0							
Maximum	18	14	7.7	14	9	0.1	1	
Minimum	0	6	7.1	4	3	0.1	1	
Flow- Weighted Average	-	9	7.4	11	5	0.1	1	

Signed on behalf of the Operator
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	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	<1	<0.1	<0.1	<0.01
22				
23				
24				
25				
26				
27				
28	46	<0.1	<0.1	<0.01
29				
30				
31				
Maximum	46	0.1	0.1	0.01
Minimum	1	0.1	0.1	0.01
Flow- Weighted Average	13	0.1	0.1	0.01

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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	RESULTS DELAYED - EXPECTED W/C 9 MAY									
Week 2										
Week 3										
Week 4										
Maximum										
Minimum										
Total										
Flow-Weighted Average										

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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	953	3	7	<0.1	6	7.2	<1
2	899						
3	1,011	5			12	7.0	
4	1,103						
5	1,102						
6	1,064						
7	928						
8	837	2	5	<0.1	9	7.3	<1
9	936						
10	774	6			12	7.4	
11	727						
12	886						
13	735						
14	822						
15	873	2	7	<0.1	11	7.3	<1
16	855						
17	857	5			11	7.3	
18	808						
19	765						
20	754						
21	724						
22	649	3	7	<0.1	13	7.4	<1
23	650						
24	113	2			11	6.6	
25	134						
26	143						
27	124						
28	536						
29	347	1	6	<0.1	13	7.1	<1
30	669						
31	645	1			11	7.2	
Maximum	1,103	6	7	0.1	13	7.4	1
Minimum	113	1	5	0.1	6	6.6	1
Flow- Weighted Average	-	3	6	0.1		7.2	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	RESULTS DELAYED - EXPECTED W/C 9 MAY			
Week 2				
Week 3				
Week 4				
Week 5				
Maximum				
Minimum				
Total				
Flow-Weighted Average	-			

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	Lead (ug/l)	Copper (ug/l)	Iron (ug/l)	Nickel (ug/l)	Zinc (ug/l)
Limit	50	40	1400	10	40
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					
Total (kg/mth)					
Flow-Weighted Average					

RESULTS DELAYED - EXPECTED W/C 9 MAY

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