

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF

June

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	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							
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	-						

Low rainfall has resulted in water levels remaining below normal operation levels throughout June. When water level is below normal operation level, there is no flow and no effluent samples are collected for analysis. The East Catch basin outlet valve was closed 1 June 2023.

 Signed on behalf of the Operator
 Name

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF

June 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

	COD	Sulphide	Total Phenols	Cyanide
	(mg/l)	(mg/l)	(mg/l)	(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	#VALUE!	#VALUE!	#VALUE!	#VALUE!

Low rainfall has resulted in water levels remaining below normal operation levels throughout June. When water level is below normal operation level, there is no flow and no effluent samples are collected for analysis. The East Catch basin outlet valve was closed 1 June 2023.

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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										
Week 5										
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	906	1			18	8.2	
2	1,515						
3	526						
4	493						
5	500						
6	475	2	4	<0.1	19	7.6	<1
7	437						
8	1,091	1			19	8.2	
9	1,196						
10	1,137						
11	1,259						
12	1,514						
13	2,906	1	3	<0.1	20	7.0	<1
14	3,355						
15	3,386						
16	2,702						
17	3,221						
18	2,416						
19	3,260						
20	3,279	1	3	<0.1	20	7.0	<1
21	3,329						
22	1,157	1			25	7.2	
23	1,010						
24	2,494						
25	2,161						
26	2,977						
27	3,015	3	4	<0.1	23	7.2	<1
28	2,942						
29	2,623	2			23	6.8	
30	1,727						
31	817						
Maximum	3,386	3	4	0.1	25	8.2	1
Minimum	437	1	3	0.1	18	6.8	1
Flow- Weighted Average	-	2	3	0.10		7.4	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	0.475	<0.1	0.048
Week 2	<0.05	2.906	<0.1	0.291
Week 3	<0.05	3.279	<0.1	0.328
Week 4	<0.05	3.015	<0.1	0.302
Week 5				
Maximum	0.05	3.279	0.1	0.328
Minimum	0.05	0.475	0.1	0.048
Total		0.0750		0.007
Flow-Weighted Average	-	0.05		0.1

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Release Point: D

	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						
6	<1.0	4	193	<0.5	20	<2.0
7						
8						
9						
10						
11						
12						
13	<1.0	<3	229	<0.5	29	<2.0
14						
15						
16						
17						
18						
19						
20	<1.0	3	260	<0.5	38	<2.0
21						
22						
23						
24						
25						
26						
27	<1.0	<3	61	<0.5	23	<2.0
28						
29						
30						
31						
Maximum	1.0	4	260	0.5	38	2.0
Minimum	1.0	3	61	0.5	20	2.0
Total (kg/mth)	0.07	0.2	13.9	0.04	2.2	0.15
Flow-Weighted Average	1	3	185	0.5	30	2

Signed on behalf of the Operator
Name