

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF September 2021

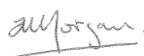
Operator: Valero Pembrokeshire Oil Terminal Limited

Location: Waterston Refinery, Pembrokeshire, SA73 1DR

Authorisation/Variation Number: BK1341/XP3134TC Release Point: C

	Flow (m <sup>3</sup> /day)	Temperature (°C)	pH	BOD (mg/l)	Suspended Solids (mg/l)	Ammoniacal Nitrogen (mg/l)	Total Oil (mg/l)
Day	Limit <b>10,000</b>	<b>30</b>	<b>max 9.0 min 6.0</b>	<b>50</b>	<b>70</b>	<b>5</b>	<b>30</b>
1	83	10	7.1				
2	55	12	7.3	28	26		
3	116	11	7.2				
4	88	18	7.0				
5	83	18	7.3				
6	75	15	7.5		32	<0.1	<1
7	147	12	7.1	29			
8	313	14	7.3				
9	208	15	7.3	12	18		
10	336	13	7.4				
11	434	17	7.1				
12	368	17	7.3				
13	679	11	7.4		18	<0.1	<1
14	1,051	16	7.5	22			
15	362	11	7.4				
16	215	12	7.3	17	23		
17	181	12	7.3				
18	240	14	7.2				
19	623	15	7.3				
20	241	10	7.4		20	<0.1	<1
21	164	11	7.4	15			
22	135	12	7.4				
23	100	13	7.3	23	27		
24	74	13	7.4				
25	69	16	6.8				
26	150	16	7.1				
27	664	10	7.3		22	<0.1	<1
28	235	10	7.3	18			
29	208	9	7.2				
30	9	11	7.2	19	14		
Maximum	1,051	18	7.5	29	32	0.1	1
Minimum	9	9	6.8	12	14	0.1	1
Flow- Weighted Average	-	13	7.3	20	21	0.1	1

Signed on behalf of the Operator



Date

10 November 2021

Name


H Morgan

Form S3/W1

Dated 23/05/2010

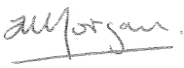
RELEASES TO WATER  
 RELEASE SUMMARY FOR THE MONTH OF September 2021  
 Operator: Valero Pembrokeshire Oil Terminal Limited  
 Location: Waterston Refinery, Pembrokeshire, SA73 1DR  
 Authorisation/Variation Number: BK1341/XP3134TC Release Point: C

	TOC (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	35	<0.1	<0.1	<0.01
7				
8				
9				
10				
11				
12				
13	28	<0.1	<0.1	<0.01
14				
15				
16				
17				
18				
19				
20	47	<0.1	<0.1	<0.01
21				
22				
23				
24				
25				
26				
27	44	<0.1	<0.1	<0.01
28				
29				
30				
31				
Maximum	47	0.1	0.1	0.01
Minimum	28	0.1	0.1	0.01
Flow- Weighted Average		0.1	0.1	0.01

Signed on behalf of the Operator by H. Morgan  Form S3/W2  
 Signature Date 10 November 2021 Dated 17/05/2010

RELEASES TO WATER  
 RELEASE SUMMARY FOR THE MONTH OF September 2021  
 Operator: Valero Pembrokehire Oil Terminal Limited  
 Location: Waterston Refinery, Pembrokehire, SA73 1DR  
 Authorisation/Variation Number: BK1341/XP3134TC 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)
<b>Limit</b>	<b>14</b>	<b>0.46</b>	<b>2</b>	<b>0.06</b>	<b>120</b>	<b>50</b>	<b>1400</b>	<b>150</b>	<b>150</b>	<b>50</b>
Date		(kg/mth)		(kg/mth)						
Week 1	<0.05	0.004	<0.1	0.01	<1.0	<3	720	5.7	7	4.1
Week 2	<0.05	0.034	<0.1	0.07	<1.0	<3	152	0.5	<4	3.8
Week 3	<0.05	0.012	<0.1	0.02	<1.0	<3	201	1.0	<4	3.5
Week 4	<0.05	0.033	<0.1	0.07	<1.0	<3	450	3.0	<4	4.0
Week 5										
Maximum	0.05	0.034	0.1	0.07	1.0	3	720	5.7	7	4.1
Minimum	0.05	0.004	0.1	0.01	1.0	3	152	0.5	4	3.5
Total		0.0006		0.001						
Flow-Weighted Average	0.05	-	0.1	-	1.0	3	304	2	4	2

Signed on behalf of the Operator 

Name H Morgan Date 10-Nov-21 Form S3/W3 Dated 17/05/2010

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF September 2021

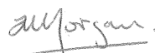
Operator: Valero Pembrokeshire Oil Terminal Limited

Location: Waterston Refinery, Pembrokeshire, SA73 1DR

Authorisation/Variation Number: BK1341/XP3134TC Release Point: D

	Flow (m <sup>3</sup> /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	max 8.5 min 6.0	5
Day							
1	10						
2	14	2			16	6.7	
3	9						
4	9						
5	11						
6	614						
7	634	7	7	<0.1	18	7.1	<1
8	618						
9	594	6			19	7.2	
10	19						
11	10						
12	6						
13	7						
14	25	1	8	<0.1	18	6.6	<1
15	15						
16	15	4			16	6.6	
17	15						
18	11						
19	12						
20	19						
21	23	1	5	<0.1	13	6.7	<1
22	23						
23	289	4			17	7.2	
24	269						
25	265						
26	255						
27	241						
28	742	4	5	<0.1	15	7.1	<1
29	884						
30	772	1			16	7.0	
Maximum	884	7	8	0.1	19	7.2	1
Minimum	6	1	5	0.1	13	6.6	1
Flow-Weighted Average	-	4	6	0.1		6.9	1

Signed on behalf of the Operator by



Date 10-Nov-21

H Morgan

Form S3/W4

Dated 17/05/2010

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF

September 2021

Operator: Valero Pembrokeshire Oil Terminal Limited

Location: Waterston Refinery, Pembrokeshire, SA73 1DR

Authorisation/Variation Number: BK1341/XP3134TC

Release Point: D

	Cadmium		Mercury	
	(ug/l)	(g/day)	(ug/l)	(g/day)
<b>Limit</b>	<b>14</b>	<b>0.46</b> <b>(kg/mth)</b>		<b>0.06</b> <b>(kg/mth)</b>
Date				
Week 1	<0.05	0.0100	<0.1	0.063
Week 2	<0.05	0.0013	<0.1	0.003
Week 3	<0.05	0.0012	<0.1	0.002
Week 4	<0.05	0.0371	<0.1	0.074
Maximum	0.05	0.0371	0.1	0.074
Minimum	0.05	0.0012	0.1	0.002
Total		0.0004		0.001
Flow-Weighted Average	-	0.05	-	0.1

Signed on behalf of the Operator by



Form S3/W34A

Date 10-Nov-21

Name

H Morgan

Dated 17/05/2010

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF

September

2021

Operator: Valero Pembrokeshire Oil Terminal Limited

Location: Waterston Refinery, Pembrokeshire, SA73 1DR

Authorisation/Variation Number:

BK1341/XP3134TC

Release Point: D

Day	Limit	Lead (ug/l) <b>50</b>	Copper (ug/l) <b>40</b>	Iron (ug/l) <b>1400</b>	Nickel (ug/l) <b>10</b>	Zinc (ug/l) <b>40</b>
1						
2						
3						
4						
5						
6						
7		<1.0	<3	79	0.6	5
8						
9						
10						
11						
12						
13						
14		<1.0	<3	144	<0.5	4
15						
16						
17						
18						
19						
20						
21		<1.0	<3	517	1.1	<4
22						
23						
24						
25						
26						
27						
28		<1.0	<3	20	<0.5	<4
29						
30						
31						
Maximum		1.0	3	517	1.1	5
Minimum		1.0	3	20	0.5	4
Total (kg/mth)		0.01	0.03	0.62	0.006	0.04
Flow-Weighted Average		1	3	56	0.5	4

Signed on behalf of the Operator by

H Morgan

Form S3/W5

Date 10-Nov-21



Dated 17/05/2010