

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF November 2020

Operator: Valero Pembrokeshire Oil Terminal Limited

Location: Waterston Refinery, Pembrokeshire, SA73 1DR

Authorisation/Variation Number: BK1341/XP3134TC 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	4,727	14	7.2				
2	4,152	14	7.2		12	<0.1	<1
3	4,064	13	7.2	8			
4	3,917	10	7.2				
5	2,792	10	7.1	5			
6	1,962	20	6.9		12		
7	1,722	19	7.0				
8	1,628	19	7.2				
9	2,104	16	7.3		11	<0.1	<1
10	3,052	15	7.3	8			
11	4,003	17	7.3				
12	3,402	13	7.3	4			
13	2,462	13	7.2		7		
14	4,032	11	7.0				
15	4,230	11	7.1				
16	3,236	12	7.2		8	<0.1	<1
17	2,926	19	7.1	8			
18	4,155	15	7.3				
19	1,898	12	7.3	5			
20	1,813	13	7.4		4		
21	1,680	15	7.0				
22	1,852	13	7.2				
23	2,146	11	7.2		12	<0.1	<1
24	1,564	14	7.3	8			
25	1,535	13	7.3				
26	471	10	7.1	4			
27	384	12	7.2				
28	505	9	7.4		5		
29	451	13	7.3				
30	450	15	7.3				
31							
Maximum	4,727	20	7	8	12	0.1	1
Minimum	384	9	7	4	4	0.1	1
Flow-Weighted Average	-	14	7.2	7	10	0.1	1

Signed on behalf of the Operator

H Morgan
 H Morgan

Date

04 January 2021

Name

Form S3/W1

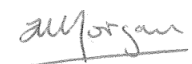
Dated 23/05/2010

RELEASES TO WATER
 RELEASE SUMMARY FOR THE MONTH OF November 2020
 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	3.0	<0.1	<0.1	<0.01
3				
4				
5				
6				
7				
8				
9	2.4	<0.1	<0.1	<0.01
10				
11				
12				
13				
14				
15				
16	3.0	<0.1	<0.1	<0.01
17				
18				
19				
20				
21				
22				
23	3.3	<0.1	<0.1	<0.01
24				
25				
26				
27				
28				
29				
30	4.1	<0.1	<0.1	<0.01
31				
Maximum	4.1	0.1	0.1	0.01
Minimum	2.4	0.1	0.1	0.01
Flow- Weighted Average	3.0	0.1	0.1	0.01

Signed on behalf of the Operator by
 Signature

H. Morgan



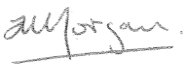
Date 04 January 2021

Form S3/W2

Dated 17/05/2010

RELEASES TO WATER
 RELEASE SUMMARY FOR THE MONTH OF November 2020
 Operator: Valero Pembrokeshire Oil Terminal Limited
 Location: Waterston Refinery, Pembrokeshire, SA73 1DR
 Authorisation/Variation Number: BK1341/XP3134TC Release Point: C

	Cadmium (ug/l) (g/day)		Mercury (ug/l) (g/day)		Lead (ug/l)	Copper (ug/l)	Iron (ug/l)	Nickel (ug/l)	Zinc (ug/l)	Chromium (ug/l)
Limit	14	0.46 (kg/mth)	2	0.06 (kg/mth)	120	50	1400	150	150	50
Date										
Week 1	<0.05	0.21	<0.1	0.42	<1.0	<3	10	<0.5	<4	4.0
Week 2	<0.05	0.11	<0.1	0.21	<1.0	<3	10	<0.5	<4	4.0
Week 3	<0.05	0.16	<0.1	0.32	<1.0	<3	10	<0.5	<4	3.8
Week 4	<0.05	0.11	<0.1	0.21	<1.0	4	14	1.9	4	4.1
Week 5	0.11	0.05	<0.1	0.05	<1.0	<3	15	13.1	43	4.0
Maximum	0.11	0.21	0.1	0.42	1.0	4	15	13.1	43	4.1
Minimum	0.05	0.05	0.1	0.05	1.0	3	10	0.5	4	3.8
Total		0.004		0.007						
Flow-Weighted Average	0.1	-	0.1	-	1.0	3	11	1	5	4

Signed on behalf of the Operator 

Name H Morgan

Date 04-Jan-21

Form S3/W3

Dated 17/05/2010

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF November 2020

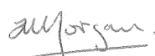
Operator: Valero Pembrokeshire Oil Terminal Limited

Location: Waterston Refinery, Pembrokeshire, SA73 1DR

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

	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	max 8.5 min 6.0	5
Day							
1	3,294						
2	3,250						
3	3,145	1	28	<0.1	10	7.0	<1
4	2,859						
5	2,934	1			8	7.0	
6	2,821						
7	2,987						
8	3,011						
9	3,004						
10	3,407	3	29	<0.1	15	7.0	<1
11	3,034						
12	3,193	4			15	7.0	
13	3,107						
14	3,032						
15	3,350						
16	3,047						
17	2,564	2	28	<0.1	19	7.0	<1
18	3,017						
19	2,876	3			15	7.0	
20	2,959						
21	2,871						
22	2,900						
23	2,975						
24	2,972	2	27	<0.1	14	7.0	<1
25	3,149						
26	3,013	2			15	7.0	
27	2,750						
28	2,931						
29	2,824						
30	2,748						
31							
Maximum	3,407	4	29	0.1	19	7.0	1
Minimum	2,564	1	27	0.1	8	7.0	1
Flow-Weighted Average	-	2	29	0.10		7.0	1

Signed on behalf of the Operator by



Date

04-Jan-21

H Morgan

Form S3/W4

Dated 17/05/2010

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF

November 2020

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)
Limit	14	0.46 (kg/mth)		0.06 (kg/mth)
Date				
Week 1	<0.05	0.16	<0.1	0.31
Week 2	<0.05	0.17	<0.1	0.34
Week 3	<0.05	0.13	<0.1	0.26
Week 4	<0.05	0.15	<0.1	0.30
Week 5				
Maximum	0.05	0.17	0.1	0.34
Minimum	0.05	0.13	0.1	0.26
Total		0.005		0.009
Flow-Weighted Average	-	0.1	-	0.1

Signed on behalf of the Operator by



Form S3/W34A

Date 04-Jan-21

Name

H Morgan

Dated 17/05/2010

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF

November

2020

Operator: Valero Pembrokeshire Oil Terminal Limited

Location: Waterston Refinery, Pembrokeshire, SA73 1DR

Authorisation/Variation Number:

BK1341/XP3134TC

Release Point: D

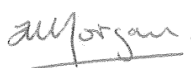
Day	Limit	Lead (ug/l) 50	Copper (ug/l) 40	Iron (ug/l) 1400	Nickel (ug/l) 10	Zinc (ug/l) 40
1						
2						
3		<1.0	<3	10	<0.5	<4
4						
5						
6						
7						
8						
9						
10		<1.0	<3	10	<0.5	<4
11						
12						
13						
14						
15						
16						
17		<1.0	5	10	<0.5	<4
18						
19						
20						
21						
22						
23						
24		<1.0	4	10	0.5	29
25						
26						
27						
28						
29						
30						
Maximum		1.0	5	10	0.5	29
Minimum		1.0	3	10	0.5	4
Total (kg/mth)		0.01	0.04	0.12	0.006	0.12
Flow-Weighted Average		1	4	10	0.5	10

Signed on behalf of the Operator by

H Morgan

Form S3/W5

Date 04-Jan-21



Dated 17/05/2010