

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF

April

2020

Operator: Valero Pembrokeshire Oil Terminal Limited

Location: Waterston Refinery, Pembrokeshire, SA73 1DR

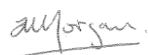
Authorisation/Variation Number:

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)
Limit	10,000	30	max 9.0 min 6.0	50	70	5	30
Day							
1	2,663	12	7.5				
2	2,600	9	7.2	3	2		
3	2,848	7	7.2				
4	3,108	12	6.9				
5	2,970	12	7.0				
6	2,939	12	7.2		5	<0.1	<1
7	3,055	10	7.2	8			
8	3,465	6	7.3				
9	2,993	11	7.2	3	3		
10	2,652	16	6.9				
11	2,627	14	7.1				
12	2,623	10	7.3				
13	3,979	16	7.5		4	<0.1	<1
14	2,412	10	7.6	8			
15	2,620	9	7.3				
16	2,795	12	7.5	3	2		
17	2,806	15	7.4				
18	3,175	12	7.4				
19	3,283	12	7.3				
20	2,777	12	7.3		4	<0.1	<1
21	2,985	18	7.4	15			
22	2,620	14	7.4				
23	2,830	18	7.4	7	2		
24	2,802	6	7.2				
25	2,595	7	7.0				
26	2,571	7	7.3				
27	2,631	7	7.4		6	<0.1	<1
28	2,959	8	7.2	7			
29	2,992	17	7.5				
30	3,721	8	7.2	8	14		
31							
Maximum	3,979	18	7.6	15	14	0.1	1
Minimum	2,412	6	6.9	3	2	0.1	1
Flow- Weighted Average	-	11	7.3	7	4	0.1	1

Signed on behalf of the Operator



Date

23 March 2020

Name

H Morgan

Form S3/W1

Dated 23/05/2010

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF

April

2020

Operator: Valero Pembrokeshire Oil Terminal Limited

Location: Waterston Refinery, Pembrokeshire, SA73 1DR

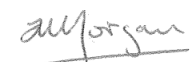
Authorisation/Variation Number: BK1341/XP3134TC

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				
4				
5				
6	3.6	<0.1	<0.1	<0.01
7				
8				
9				
10				
11				
12				
13	2.8	<0.1	<0.1	<0.01
14				
15				
16				
17				
18				
19				
20	5.3	<0.1	<0.1	<0.01
21				
22				
23				
24				
25				
26				
27	9.1	<0.1	<0.1	<0.01
28				
29				
30				
31				
Maximum	9.1	0.1	0.1	0.01
Minimum	2.8	0.1	0.1	0.01
Flow- Weighted Average	4.9	0.1	1.0	0.01

Signed on behalf of the Operator by
Signature

H. Morgan



Date 23 March 2020

Form S3/W2

Dated 17/05/2010

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF April 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	0.15	<0.1	0.29	<1.0	<3	<20	<0.5	<4	3.6
Week 2	<0.05	0.20	<0.1	0.40	<1.0	<3	25	<0.5	<4	3.1
Week 3	<0.05	0.14	<0.1	0.28	<1.0	<3	<20	<0.5	6	2.4
Week 4	<0.05	0.13	<0.1	0.26	<1.0	<3	<20	<0.5	<4	3.1
Week 5										
Maximum	0.05	0.20	0.1	0.40	1	3	25	0.5	6	3.6
Minimum	0.05	0.13	0.1	0.26	1	3	20	0.5	4	2.4
Total		0.005		0.01						
Flow-Weighted Average	-	0.1	-	0.1	1.0	3	22	1	4	3

Signed on behalf of the Operator

H Morgan

Form S3/W3

Name

H Morgan

Date 23-Mar-20

Dated 17/05/2010

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF April 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 max 8.5 min 6.0	Oil (mg/l)
Limit	3500	35	50	0.4	27		5
Day							
1	2,121						
2	2,126	14			14	8.2	
3	2,049						
4	1,288						
5	494						
6	470						
7	462	2	28	<0.1	18	7.2	<1
8	469						
9	503	2			19	6.7	
10	1,373						
11	1,723						
12	1,605						
13	2,168						
14	2,329	8	29	0.1	16	8.5	<1
15	2,465						
16	1,523	8			17	8.1	
17	2,328						
18	2,240						
19	2,300						
20	2,142						
21	2,368	9	29	0.15	19	8.0	1
22	1,157						
23	1,150	6			18	6.8	
24	1,030						
25	1,075						
26	404						
27	401						
28	938	2	29	<0.1	13	6.8	<1
29	901						
30	2,314	8			8	8.0	
31							
Maximum	2,465	14	29	0.15	19	8.5	1
Minimum	401	2	28	0.1	8	6.7	1
Flow- Weighted Average	-	10	16	0.11		7.6	1

Signed on behalf of the Operator by

H Morgan

Date

23-Mar-20

H Morgan

Form S3/W4

Dated 17/05/2010

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF

April 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	0.02	<0.1	0.05
Week 2	<0.05	0.12	<0.1	0.23
Week 3	<0.05	0.12	<0.1	0.24
Week 4	<0.05	0.05	<0.1	0.09
Week 5				
Maximum	0.05	0.12	0.1	0.24
Minimum	0.05	0.02	0.1	0.05
Total		0.002		0.005
Flow- Weighted Average	-	0.1	-	0.1

Signed on behalf of the Operator by



Form S3/W34A

Date

23-Mar-20

Name

H Morgan

Dated 17/05/2010

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF

April

2020

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Authorisation/Variation Number: BK1341/XP3134TC

Release Point: D

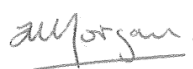
	Lead (ug/l)	Copper (ug/l)	Iron (ug/l)	Nickel (ug/l)	Zinc (ug/l)
Limit	50	40	1400	10	40
Day					
1					
2					
3					
4					
5					
6					
7	<1.0	<3	<20	<0.5	<4
8					
9					
10					
11					
12					
13					
14	<1.0	<3	<20	<0.5	4
15					
16					
17					
18					
19					
20					
21	<1.0	<3	<20	<0.5	5
22					
23					
24					
25					
26					
27					
28	<1.0	<3	<20	<0.5	<4
29					
30					
31					
Maximum	1	3	20	0.5	5
Minimum	1	3	20	0.5	4
Total (kg/mth)	0.05	0.14	0.9	0.02	0.21
Flow-Weighted Average	1	3	20	1	4

Signed on behalf of the Operator by

H Morgan

Form S3/W5

Date 23-Mar-20



Dated 17/05/2010