

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF September 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	4,968	16	7.1	8			
2	1,950	17	7.1				
3	1,557	17	7.2	3	6		
4	1,792	17	7.3				
5	2,019	16	7.3				
6	1,478	16	7.3				
7	1,252	16	7.3		1	<0.1	1
8	1,354	17	7.4	8			
9	2,371	16	6.9				
10	2,288	17	7.3	3	6		
11	1,502	16	7.2				
12	1,532	16	7.2				
13	1,321	16	7.5				
14	1,283	17	7.4		7	<0.1	<1
15	1,152	20	7.4	8			
16	1,117	18	7.5				
17	1,100	19	7.4	5	4		
18	1,158	18	7.5				
19	1,209	17	7.1				
20	1,087	16	7.5				
21	1,650	16	7.3		4	<0.1	<1
22	1,167	16	7.2	9			
23	1,124	17	8.1				
24	1,751	16	8.0	4	33		
25	1,525	14	7.5				
26	1,790	13	7.7				
27	1,474	13	7.5				
28	1,138	14	7.5		12	<0.1	<1
29	1,165	15	7.4	5			
30	1,145	15	7.4				
31							
Maximum	4,968	20	8	9	33	0.1	1
Minimum	1,087	13	7	3	1	0.1	1
Flow- Weighted Average	-	16	7.4	6	10	0.1	1

Signed on behalf of the Operator

Name

H Morgan

Date

27 October 2020

Form S3/W1

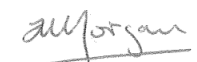
Dated 23/05/2010

RELEASES TO WATER
RELEASE SUMMARY FOR THE MONTH OF September 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				
7	4.5	<0.1	<0.1	<0.01
8				
9				
10				
11				
12				
13				
14	5.7	<0.1	<0.1	<0.01
15				
16				
17				
18				
19				
20				
21	4.4	<0.1	<0.1	<0.01
22				
23				
24				
25				
26				
27				
28	8.3	<0.1	<0.1	<0.01
29				
30				
31				
Maximum	8.3	0.1	0.1	0.01
Minimum	4.4	0.1	0.1	0.01
Flow-Weighted Average	5.6	0.1	1.0	0.01

Signed on behalf of the Operator by
Signature

H. Morgan



Date 27 October 2020

Form S3/W2

Dated 17/05/2010

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF September 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	0.06	<0.1	0.13	<1.0	<3	<20	<0.5	<4	<2.0
Week 2	<0.05	0.06	<0.1	0.13	<1.0	<3	<20	0.9	<4	<2.0
Week 3	<0.05	0.08	<0.1	0.17	<1.0	<3	<20	0.8	<4	<2.0
Week 4	<0.05	0.06	<0.1	0.11	<1.0	<3	<20	2.7	<4	<2.0
Week 5										
Maximum	0.05	0.08	0.1	0.17	1	3	20	2.7	4	2.0
Minimum	0.05	0.06	0.1	0.11	1	3	20	0.8	4	2.0
Total		0.002		0.004						
Flow-Weighted Average	-	0.1	-	0.1	1.0	3	20	1	4	2

Signed on behalf of the Operator



Name

H Morgan

Date 27-Oct-20

Form S3/W3

Dated 17/05/2010

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF September 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	2,775	2	20	<0.1	20	7.1	<1
2	1,188						
3	2,437	1			18	7.1	
4	2,449						
5	2,497						
6	2,673						
7	2,299						
8	2,418	11	16	<0.1	19	7.6	<1
9	2,482						
10	2,414	4			17	7.7	
11	3,434						
12	1,475						
13	998						
14	839						
15	931	4	20	<0.1	20	6.8	<1
16	911						
17	921	4			18	6.8	
18	886						
19	2,587						
20	2,667						
21	2,791						
22	1,672	6	21	<0.1	15	7.3	<1
23	860						
24	934						
25	1,475						
26	1,367						
27	2,747						
28	2,839						
29	1,894	2	17	<0.1	17	7.0	<1
30	921						
31							
Maximum	3,434	11	21	0.1	20	7.7	1
Minimum	839	1	16	0.1	15	6.8	1
Flow- Weighted Average	-	4	19	0.10		7.2	1

Signed on behalf of the Operator by

H Morgan

Date

27-Oct-20

H Morgan

Form S3/W4

Dated 17/05/2010

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF

September 2020

Operator: Valero Pembrokeshire Oil Terminal Limited

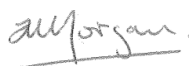
Location: Waterston Refinery, Pembrokeshire, SA73 1DR

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	0.14	<0.1	0.28
Week 2	<0.05	0.12	<0.1	0.24
Week 3	<0.05	0.05	<0.1	0.09
Week 4	<0.05	0.08	<0.1	0.17
Week 5	<0.05	0.09	<0.1	0.19
Maximum	0.05	0.14	0.1	0.28
Minimum	0.05	0.05	0.1	0.09
Total		0.003		0.006
Flow- Weighted Average	-	0.1	-	0.1

Signed on behalf of the Operator by



Form S3/W34A

Date

27-Oct-20

Name

H Morgan

Dated 17/05/2010

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF

September

2020

Operator: Valero Pembrokeshire Oil Terminal Limited

Location: Waterston Refinery, Pembrokeshire, SA73 1DR

Authorisation/Variation Number: BK1341/XP3134TC

Release Point: D

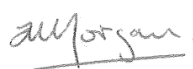
	Lead (ug/l)	Copper (ug/l)	Iron (ug/l)	Nickel (ug/l)	Zinc (ug/l)
Limit	50	40	1400	10	40
Day					
1	<1.0	<3	<20	2.7	<4
2					
3					
4					
5					
6					
7					
8	<1.0	<3	<20	0.7	<4
9					
10					
11					
12					
13					
14					
15	<1.0	<3	<20	0.6	<4
16					
17					
18					
19					
20					
21					
22	<1.0	<3	<20	0.6	<4
23					
24					
25					
26					
27					
28					
29	<1.0	<3	<20	0.6	<4
30					
31					
Maximum	1	3	20	2.7	4
Minimum	1	3	20	0.6	4
Total (kg/mth)	0.060	0.18	1.20	0.07	0.24
Flow-Weighted Average	1	3	20	1.2	4

Signed on behalf of the Operator by

H Morgan

Form S3/W5

Date 27-Oct-20



Dated 17/05/2010