

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF June 2020

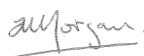
Operator: Valero Pembrokeshire Oil Terminal Limited

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	2,958	20	6.9		8	<0.1	2
2	2,770	19	7.2	8			
3	2,676	19	7.1				
4	2,801	15	6.9	3	3		
5	2,853	15	7.3				
6	2,572	15	7.0				
7	3,622	15	7.4				
8	2,922	15	7.2		4	<0.1	<1
9	2,927	15	7.2	12			
10	2,753	17	7.2				
11	2,281	15	7.2	3	16		
12	3,334	19	7.4				
13	2,731	16	7.0				
14	3,017	19	6.9				
15	2,850	19	7.1		14	<0.1	3.3
16	2,857	18	7.1	8			
17	2,504	18	7.1				
18	2,353	18	7.1	3	12		
19	2,536	16	7.3				
20	2,802	16	7.1				
21	2,058	16	7.1				
22	2,396	17	7.0		20	<0.1	2
23	2,654	16	7.0	8			
24	2,800	20	6.9				
25	2,734	20	6.9	3	4		
26	2,746	19	7.0				
27	2,666	17	7.0				
28	3,034	17	6.9				
29	2,725	17	7.4		8	<0.1	<1
30	2,640	16	7.1	3			
31							
Maximum	3,622	20	7.4	12	20	0.1	3.3
Minimum	2,058	15	6.9	3	3	0.1	1
Flow- Weighted Average	-	17	7.1	6	10	0.1	2

Signed on behalf of the Operator



Date

22 July 2020

Name


H Morgan

Form S3/W1

Dated 23/05/2010

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

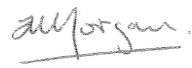
	TOC (mg/l)	Sulphide (mg/l)	Total Phenols (mg/l)	Cyanide (mg/l)
Limit	50	1	7.5	0.25
Day				
1	8.4	<0.1	<0.1	<0.01
2				
3				
4				
5				
6				
7				
8	1.9	<0.1	<0.1	<0.01
9				
10				
11				
12				
13				
14				
15	17.1	<0.1	<0.1	<0.01
16				
17				
18				
19				
20				
21				
22	19.6	<0.1	<0.1	<0.01
23				
24				
25				
26				
27				
28				
29	16.5	<0.1	<0.1	<0.01
30				
31				
Maximum	19.6	0.1	0.1	0.01
Minimum	1.9	0.1	0.1	0.01
Flow- Weighted Average	12.3	0.1	1.0	0.01

Signed on behalf of the Operator by H. Morgan  Form S3/W2
 Signature Date 22 July 2020 Dated 17/05/2010

RELEASES TO WATER
 RELEASE SUMMARY FOR THE MONTH OF June 2020
 Operator: Valero Pembrokeshire Oil Terminal Limited
 Location: Waterston Refinery, Pembrokeshire, 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)
Limit	14	0.46	2	0.06	120	50	1400	150	150	50
Date		(kg/mth)		(kg/mth)						
Week 1	<0.05	0.15	<0.1	0.30	<1.0	<3	<20	<0.5	<4	4.5
Week 2	<0.05	0.15	<0.1	0.29	<1.0	<3	<20	<0.5	<4	2.5
Week 3	<0.05	0.14	<0.1	0.29	<1.0	<3	39	1	<4	4.1
Week 4	<0.05	0.12	<0.1	0.24	<1.0	<3	51	0.8	<4	4.3
Week 5	<0.05	0.14	<0.1	0.27	<1.0	<3	<20	0.5	<4	4.0
Maximum	0.05	0.15	0.1	0.30	1	3	51	1	4	4.5
Minimum	0.05	0.12	0.1	0.24	1	3	20	0.5	4	2.5
Total		0.004		0.01						
Flow-Weighted Average	-	0.1	-	0.1	1.0	3	20	1	4	4

Signed on behalf of the Operator



Form S3/W3

Name

H Morgan

Date 22-Jul-20

Dated 17/05/2010

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF June 2020

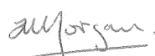
Operator: Valero Pembrokeshire Oil Terminal Limited

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	457						
2	407	2	25	<0.1	20	7.0	<1
3	436						
4	316	2			15	6.8	
5	551						
6	393						
7	459						
8	445						
9	432	2	29	<0.1	17	6.8	<1
10	302						
11	522	12			15	6.6	
12	1,019						
13	2,358						
14	2,407						
15	2,243						
16	551	3	29	<0.1	17	6.8	1
17	563						
18	565	4			17	6.9	
19	601						
20	802						
21	2,852						
22	2,777						
23	2,845	2	28	<0.1	16	7.0	<1
24	2,717						
25	2,724	2			20	7.5	
26	1,018						
27	740						
28	839						
29	870						
30	976	6	25	<0.1	18	6.7	1.8
31							
Maximum	2,852	12	29	0.1	20	7.5	1.8
Minimum	302	2	25	0.1	15	6.6	1
Flow-Weighted Average	-	3	27	0.10		6.9	1

Signed on behalf of the Operator by



Date

22-Jul-20

H Morgan

Form S3/W4

Dated 17/05/2010

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF

June 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	0.04
Week 2	<0.05	0.02	<0.1	0.04
Week 3	<0.05	0.03	<0.1	0.06
Week 4	<0.05	0.14	<0.1	0.28
Week 5	<0.05	0.05	<0.1	0.10
Maximum	0.05	0.14	0.1	0.28
Minimum	0.05	0.02	0.1	0.04
Total		0.002		0.003
Flow-Weighted Average	-	0.1	-	0.1

Signed on behalf of the Operator by



Form S3/W34A

Date 22-Jul-20

Name

H Morgan

Dated 17/05/2010

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF

June

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		<1.0	<3	<20	<0.5	<4
3						
4						
5						
6						
7						
8						
9		<1.0	<3	<20	<0.5	8
10						
11						
12						
13						
14						
15						
16		<1.0	<3	<20	0.6	<4
17						
18						
19						
20						
21						
22						
23		<1.0	<3	<20	0.6	<4
24						
25						
26						
27						
28						
29						
30		<1.0	<3	<20	0.5	<4
31						
Maximum		1	3	20	0.5	4
Minimum		1	3	20	0.5	4
Total (kg/mth)		0.032	0.10	0.65	0.02	0.14
Flow-Weighted Average		1	3	20	1	4

Signed on behalf of the Operator by

H Morgan

Form S3/W5

Date 22-Jul-20



Dated 17/05/2010