

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF March 2020

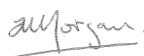
Operator: Valero Pembrokeshire Oil Terminal Limited

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	2,392	13	7.0				
2	5,135	7	7.4		15	<0.1	<1
3	1,832	7	7.5	8			
4	3,193	8	7.3				
5	2,951	7	7.4	15	6		
6	3,116	5	6.9				
7	3,360	8	7.1				
8	3,251	8	7.2				
9	3,016	8	7.3		3	<0.1	2
10	3,010	8	7.5	10			
11	3,020	8	7.4				
12	1,643	6	7.5	5	6		
13	2,285	7	7.5				
14	2,787	6	7.3				
15	1,557	6	7.3				
16	2,812	6	7.3		16	<0.1	2
17	3,430	7	7.4	8			
18	2,730	7	6.9				
19	3,041	6	7.2	5	7		
20	1,958	5	6.9				
21	2,772	7	7.2				
22	2,769	7	6.9				
23	2,827	7	6.9		8	<0.1	<1
24	2,525	16	7.1	3			
25	2,648	12	7.1				
26	2,797	7	7.2	3	4		
27	2,700	6	7.2				
28	2,735	10	7.2				
29	2,589	7	7.0				
30	2,810	6	7.2		4	<0.1	<1
31	2,871	8	7.3	8			
Maximum	3,430	16	7.5	15	16	0.1	2
Minimum	1,557	5	6.9	3	3	0.1	1
Flow-Weighted Average	-	8	7.2	7	9	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 March 2020
 Operator: Valero Pembrokeshire Oil Terminal Limited
 Location: Waterston Refinery, Pembrokeshire, SA73 1DR
 Authorisation/Variation Number: BK1341/XP3134TC Release Point: C

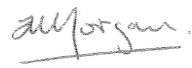
	TOC (mg/l)	Sulphide (mg/l)	Total Phenols (mg/l)	Cyanide (mg/l)
Limit	50	1	7.5	0.25
Day				
1				
2	6.0	<0.1	<0.1	<0.01
3				
4				
5				
6				
7				
8				
9	2.5	<0.1	<0.1	<0.01
10				
11				
12				
13				
14				
15				
16	2.5	<0.1	<0.1	<0.01
17				
18				
19				
20				
21				
22				
23	2.5	<0.1	<0.1	<0.01
24				
25				
26				
27				
28				
29				
30	2.1	<0.1	<0.1	<0.01
31				
Maximum	6.0	0.1	0.1	0.01
Minimum	2.1	0.1	0.1	0.01
Flow- Weighted Average	3.5	0.1	1.0	0.01

Signed on behalf of the Operator by H. Morgan  Form S3/W2
 Signature Date 23 March 2020 Dated 17/05/2010

RELEASES TO WATER
 RELEASE SUMMARY FOR THE MONTH OF March 2020
 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)
Limit	14	0.46	2	0.06	120	50	1400	150	150	50
Date		(kg/mth)		(kg/mth)						
Week 1	<0.05	0.26	<0.1	0.51	<1.0	<3	<20	1	<4	4.8
Week 2	<0.05	0.15	<0.1	0.30	<1.0	<3	<20	2	<4	6.2
Week 3	<0.05	0.14	<0.1	0.28	<1.0	<3	<20	1	<4	6
Week 4	<0.05	0.14	<0.1	0.28	<1.0	<3	<20	6.6	<4	4.8
Week 5	<0.05	0.14	<0.1	0.28	<1.0	<3	<20	0.9	<4	5.1
Maximum	0.05	0.26	0.1	0.51	1	3	20	6.6	4	6.2
Minimum	0.05	0.14	0.1	0.28	1	3	20	0.9	4	4.8
Total		0.005		0.01						
Flow-Weighted Average	-	0.1	-	0.1	1.0	3	20	2	4	5

Signed on behalf of the Operator



Form S3/W3

Name

H Morgan

Date 23-Mar-20

Dated 17/05/2010

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF March 2020

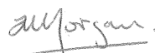
Operator: Valero Pembrokeshire Oil Terminal Limited

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	2,369						
2	2,597						
3	2,272	12	29	<0.1	11	7.3	<1
4	2,220						
5	2,332	5			7	7.5	
6	2,355						
7	2,454						
8	2,063						
9	2,330						
10	2,368	6	30	<0.1	8	7.3	<1
11	2,287						
12	2,263	11			6	7.7	
13	2,272						
14	2,442						
15	2,654						
16	2,253						
17	2,426	6	24	0.2	12	7.3	<1
18	2,283						
19	2,448	16			8	7.2	
20	2,324						
21	2,387						
22	2,292						
23	2,345						
24	2,485	16	28	0.1	19	7.8	<1
25	2,506						
26	2,352	22			5	7.3	
27	2,267						
28	2,311						
29	2,127						
30	2,140						
31	2,310	16	21	<0.1	11	7.9	<1
Maximum	2,654	22	30	0.2	19	7.9	1
Minimum	2,063	5	21	0.1	5	7.2	1
Flow-Weighted Average	-	12	26	0.12		7.5	1

Signed on behalf of the Operator by



Date

23-Mar-20

H Morgan

Form S3/W4

Dated 17/05/2010

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF

March 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	0.11	<0.1	0.23
Week 2	<0.05	0.12	<0.1	0.24
Week 3	<0.05	0.12	<0.1	0.24
Week 4	<0.05	0.12	<0.1	0.25
Week 5	<0.05	0.12	<0.1	0.23
Maximum	0.05	0.12	0.1	0.25
Minimum	0.05	0.11	0.1	0.23
Total		0.004		0.007
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

March

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	<20	0.8	<4
4						
5						
6						
7						
8						
9						
10		<1.0	<3	<20	1	<4
11						
12						
13						
14						
15						
16						
17		<1.0	<3	<20	2.7	8
18						
19						
20						
21						
22						
23						
24		<1.0	5	<20	0.9	7
25						
26						
27						
28						
29						
30						
31		<1.0	<3	<20	2.3	15
Maximum		1	5	20	2.7	8
Minimum		1	3	20	0.8	4
Total (kg/mth)		0.07	0.04	0.2	0.11	0.09
Flow-Weighted Average		1	3	20	2	8

Signed on behalf of the Operator by

H Morgan

Form S3/W5

Date 23-Mar-20



Dated 17/05/2010