

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF

May

2021

Operator: Valero Pembrokeshire Oil Terminal Limited

Location: Waterston Refinery, Pembrokeshire, SA73 1DR

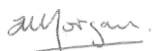
Authorisation/Variation Number:

BK1341/XP3134TC

Release Point: C

Day	Limit	Flow (m ³ /day)	Temperature (°C)	pH	BOD (mg/l)	Suspended Solids (mg/l)	Ammoniacal Nitrogen (mg/l)	Total Oil (mg/l)
		10,000	30	max 9.0 min 6.0	50	70	5	30
1		526	14	7.4				
2		395	15	7.7				
3		337	14	7.7		8	<0.1	<1
4		553	10	7.8	6			
5		543	10	7.6				
6		420	17	7.7	9	7		
7		463	17	7.8				
8		395	12	7.8				
9		576	12	7.6				
10		102	11	7.7		22	<0.1	<1
11		371	9	7.8	6			
12		453	10	7.7				
13		152	9	7.6	9	13		
14		404	9	7.6				
15		696	17	7.3				
16		433	15	7.5				
17		135	10	7.7		16	<0.1	<1
18		137	9	7.8	6			
19		536	13	7.7				
20		414	9	7.8	9	14		
21		734	9	7.8				
22		269	11	7.7				
23		419	11	7.5				
24		176	8	7.8		13	<0.1	<1
25		8	13	7.4	30			
26		162	10	7.4				
27		631	9	7.5	9	12		
28		490	9	7.5				
29		428	20	7.1				
30		541	18	7.5				
31		462	20	7.6		10		<1
Maximum		734	20	7.8	30	22	0.1	1
Minimum		8	8	7.1	6	7	0.1	1
Flow- Weighted Average		-	12	7.6	8	11	0.1	2

Signed on behalf of the Operator



Date

28 June 2021

Name

H Morgan

Form S3/W1

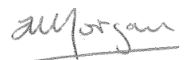
Dated 23/05/2010

RELEASES TO WATER
 RELEASE SUMMARY FOR THE MONTH OF May 2021
 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	3.7	<0.1	<0.1	<0.01
4				
5				
6				
7				
8				
9				
10	8.9	<0.1	<0.1	<0.01
11				
12				
13				
14				
15				
16				
17	9.2	<0.1	<0.1	<0.01
18				
19				
20				
21				
22				
23				
24	10.5	<0.1	<0.1	<0.01
25				
26				
27				
28				
29				
30				
31	11.8	<0.1	<0.1	<0.01
Maximum	10.5	0.1	0.1	0.01
Minimum	3.7	0.1	0.1	0.01
Flow- Weighted Average	8.8	0.1	0.1	0.01

Signed on behalf of the Operator by
 Signature

H. Morgan



Date 28 June 2021

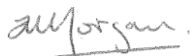
Form S3/W2

Dated 17/05/2010

RELEASES TO WATER
 RELEASE SUMMARY FOR THE MONTH OF May 2021
 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
		(kg/mth)		(kg/mth)						
Date										
Week 1	<0.05	0.02	<0.1	0.03	<1.0	<3	10	0.8	<4	<2.0
Week 2	<0.05	0.01	<0.1	0.01	<1.0	<3	140	0.7	6	<2.0
Week 3	<0.05	0.01	<0.1	0.01	<1.0	<3	110	0.7	<4	<2.0
Week 4	<0.05	0.01	<0.1	0.02	<1.0	<3	350	1.6	7	<2.0
Week 5	<0.05	0.02	<0.1	0.05	<1.0	<3	430	2	6	<2.0
Maximum	0.05	0.02	0.1	0.05	1.0	3	430	2	7	2.0
Minimum	0.05	0.01	0.1	0.01	1.0	3	10	0.8	4	2.0
Total		0.0004		0.001						
Flow-Weighted Average	0.05	-	0.1	-	1.0	3	242	1	5	2

Signed on behalf of the Operator



Form S3/W3

Name

H Morgan

Date 28-Jun-21

Dated 17/05/2010

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF **May** 2021

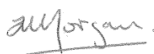
Operator: Valero Pembrokeshire Oil Terminal Limited

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	0						
2	0						
3	0						
4	16	4	40	<0.1	14	7.1	<1
5							
6	14	2			18	7.1	
7	0						
8	0						
9	375						
10	0						
11	219	2	40	<0.1	15	7.7	<1
12	0						
13	102	1			15	6.9	
14	0						
15	0						
16	249						
17	216						
18	212	2	40	<0.1	15	8.0	<1
19	201						
20	181				15	8.1	
21	230						
22	299						
23	249						
24	357						
25	294	3	8	<0.1	16	7.4	<1
26	2,808						
27	3,061	<1			16	7.0	
28	1,937						
29	3,134						
30	3,122						
	3,029						
Maximum	3,134	4	40	0.1	18	8.1	1
Minimum	0	1	8	0.1	14	6.9	1
Flow-Weighted Average	-	1	27	0.1		7.4	1

Signed on behalf of the Operator by



Date

28-Jun-21

H Morgan

Form S3/W4

Dated 17/05/2010

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF

May 2021

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	0.01	<0.1	0.00
Week 2	<0.05	0.01	<0.1	0.02
Week 3	<0.05	0.01	<0.1	0.02
Week 4	<0.05	0.01	<0.1	0.03
Week 5				
Maximum	0.05	0.01	0.1	0.03
Minimum	0.05	0.01	0.1	0.00
Total		0.000		0.001
Flow-Weighted Average	-	0.05	-	0.1

Signed on behalf of the Operator by



Form S3/W34A

Date

28-Jun-21

Name

H Morgan

Dated 17/05/2010

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF

May

2021

Operator: Valero Pembrokehire Oil Terminal Limited

Location: Waterston Refinery, Pembrokehire, SA73 1DR

Authorisation/Variation Number:

BK1341/XP3134TC

Release Point: D

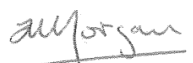
Day	Limit	Lead (ug/l) 50	Copper (ug/l) 40	Iron (ug/l) 1400	Nickel (ug/l) 10	Zinc (ug/l) 40
1						
2						
3						
4		<1.0	<3	400	1.2	10
5						
6						
7						
8						
9						
10						
11		<1.0	<3	210	1.1	<4
12						
13						
14						
15						
16						
17						
18		<1.0	<3	190	0.9	<4
19						
20						
21						
22						
23						
24						
25		<1.0	<3	170	0.8	6
26						
27						
28						
29						
30						
31						
Maximum		1.0	3	400	1.2	10
Minimum		1.0	3	170	0.8	4
Total (kg/mth)		0.01	0.02	1.11	0.005	0.03
Flow-Weighted Average		1	3	193	0.9	5

Signed on behalf of the Operator by

H Morgan

Form S3/W5

Date 28-Jun-21



Dated 17/05/2010