

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF December 2020

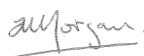
Operator: Valero Pembrokeshire Oil Terminal Limited

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	529	10	7.4	8	5		
2	501	15	7.3				
3	782	17	7.3	5	8		
4	3,970	14	7.2				
5	2,628	15	6.9				
6	4,732	15	7.0				
7	3,822	8	7.1			<0.1	2
8	2,179	10	7.1	7	6		
9	2,016	11	7.2				
10	5,515	16	7.0	6	16		
11	5,749	10	7.1				
12	5,108	14	6.9				
13	4,090	10	7.0				
14	4,533	12	6.9			<0.1	2
15	7,100	11	7.0	8	8		
16	4,798	15	6.9				
17	4,633	10	7.2	5	6		
18	5,225	9	7.4				
19	4,372	14	7.0				
20	5,798	13	7.3				
21	7,268	8	7.5			<0.1	<1
22	7,230	9	7.4	7	8		
23	6,891	6	7.2				
24	6,435	6	7.0	5	4		
25	4,815	12	7.0				
26	3,503	10	6.8				
27	5,173	6	7.3				
28	5,005	6	7.4			<0.1	<1
29	5,252	6	7.5	8	6		
30	5,105	6	7.5				
31	4,074	5	7.3	5	4		
Maximum	7,268	17	8	8	16	0.1	2
Minimum	501	5	7	5	4	0.1	1
Flow-Weighted Average	-	11	7.2	6	7	0.1	1

Signed on behalf of the Operator



Date

31 January 2021

Name


H Morgan

Form S3/W1

Dated 23/05/2010

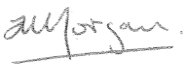
RELEASES TO WATER
 RELEASE SUMMARY FOR THE MONTH OF December 2020
 Operator: Valero Pembrokeshire Oil Terminal Limited
 Location: Waterston Refinery, Pembrokeshire, SA73 1DR
 Authorisation/Variation Number: BK1341/XP3134TC Release Point: C

	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	1.7	<0.1	<0.1	<0.01
8				
9				
10				
11				
12				
13				
14	1.9	<0.1	<0.1	<0.01
15				
16				
17				
18				
19				
20				
21	3.8	<0.1	<0.1	<0.01
22				
23				
24				
25				
26				
27				
28	2.6	<0.1	<0.1	<0.01
29				
30				
31				
Maximum	3.8	0.1	0.1	0.01
Minimum	1.7	0.1	0.1	0.01
Flow- Weighted Average	2.7	0.1	0.1	0.01

Signed on behalf of the Operator by H. Morgan  Form S3/W2
 Signature Date 31 January 2021 Dated 17/05/2010

RELEASES TO WATER
 RELEASE SUMMARY FOR THE MONTH OF December 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	0.19	<0.1	0.38	<1.0	<3	78	<0.5	7	3.3
Week 2	<0.05	0.23	<0.1	0.45	<1.0	<3	71	<0.5	6	2.8
Week 3	<0.05	0.36	<0.1	0.73	<1.0	6	141	2.3	13	2.8
Week 4	<0.05	0.25	<0.1	0.50	<1.0	<3	318	1.5	6	2.8
Week 5										
Maximum	0.05	0.36	0.1	0.73	1.0	6	318	2.3	13	3.3
Minimum	0.05	0.19	0.1	0.38	1.0	3	71	0.5	6	2.8
Total		0.008		0.016						
Flow-Weighted Average	0.05	-	0.1	-	1.0	4	157	1	9	3

Signed on behalf of the Operator 

Name H Morgan

Date 31-Jan-21

Form S3/W3

Dated 17/05/2010

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF December 2020

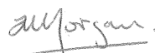
Operator: Valero Pembrokeshire Oil Terminal Limited

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	2,919	1	29	<0.1	12	7.1	<1
2	2,700						
3	2,711	2			17	7.1	
4	3,482						
5	2,848						
6	2,567						
7	2,635						
8	3,464	1	27	<0.1	11	6.8	<1
9	3,254						
10	3,358	2			18	6.7	
11	3,457						
12	3,241						
13	3,136						
14	2,737						
15	2,878	2	29	<0.1	11	6.9	<1
16	2,387						
17	2,684	2			15	7.1	
18	2,526						
19	2,601						
20	2,595						
21	3,293						
22	3,274	1	28	<0.1	11	7.1	<1
23	1,237						
24	3,498	2			15	7.0	
25	3,360						
26	3,255						
27	3,350						
28	3,140						
29	3,071	1	29	<0.1	13	7.5	<1
30	3,040						
31	2,827	1			10	7.1	
Maximum	3,498	2	29	0.1	18	7.5	1
Minimum	1,237	1	27	0.1	10	6.7	1
Flow-Weighted Average	-	1	28	0.1		7.0	1

Signed on behalf of the Operator by



Date

31-Jan-21

H Morgan

Form S3/W4

Dated 17/05/2010

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF

December 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	0.15	<0.1	0.29
Week 2	<0.05	0.17	<0.1	0.35
Week 3	<0.05	0.14	<0.1	0.29
Week 4	<0.05	0.16	<0.1	0.33
Week 5	<0.05	0.15	<0.1	0.31
Maximum	0.05	0.17	0.1	0.35
Minimum	0.05	0.14	0.1	0.29
Total		0.005		0.010
Flow-Weighted Average	-	0.05	-	0.1

Signed on behalf of the Operator by



Form S3/W34A

Date 31-Jan-21

Name

H Morgan

Dated 17/05/2010

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF December 2020

Operator: Valero Pembrokehire Oil Terminal Limited

Location: Waterston Refinery, Pembrokehire, SA73 1DR

Authorisation/Variation Number: BK1341/XP3134TC Release Point: D

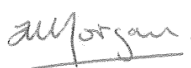
Day	Limit	Lead (ug/l) 50	Copper (ug/l) 40	Iron (ug/l) 1400	Nickel (ug/l) 10	Zinc (ug/l) 40
1		<1.0	5	211	<0.5	15
2						
3						
4						
5						
6						
7						
8		<1.0	<3	62	<0.5	<4
9						
10						
11						
12						
13						
14						
15		<1.0	5	157	0.7	21
16						
17						
18						
19						
20						
21						
22		<1.0	<3	35	<0.5	<4
23						
24						
25						
26						
27						
28						
29		<1.0	<3	32	<0.5	5
30						
Maximum		1.0	5	211	0.7	21
Minimum		1.0	3	32	0.5	4
Total (kg/mth)		0.02	0.06	1.45	0.008	0.14
Flow-Weighted Average		1	4	96	0.5	9

Signed on behalf of the Operator by

H Morgan

Form S3/W5

Date 31-Jan-21



Dated 17/05/2010

RELEASES TO WATER
ANNUAL RELEASES
RELEASE FOR YEAR

2020

Operator **Valero Pembrokehire Oil Terminal Limited**
Location : **Waterston Refinery, Pembrokehire, SA73 1DR**
Authorisation/Variation Number : **BK1341IN/MP3136SH**

SUBSTANCE	ACTUAL RELEASE (kg)	RELEASE LIMIT (kg)
Chlorinated hydrocarbons	0	-
Suspended solids	11,657	-
Total BOD 5 (ATU)	25,909	-
Ammoniacal nitrogen	192	-
Total oil	2,129	-
Total Organic Carbon	6,252	-
Cadmium	0.09	5.5
Mercury	0.2	0.7
Lead	1.9	-
Copper	6.7	-
Iron	92	-
Nickel	1.85	-
Zinc	12.51	-
Chromium	7.46	-

Signed on behalf of the Operator by

Name **Huw Morgan**

Date:

02-Feb-21



Form S3/W9

Dated 17/05/2010

WASTE RETURNS

ANNUAL RELEASES

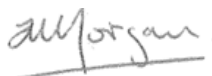
RELEASE FOR YEAR

2020

Operator **Valero Pembrokehire Oil Terminal Limited**
Location : **Waterston Refinery, Pembrokehire, SA73 1DR**
Authorisation/Variation Number : **BK1341IN/MP3136SH**

SUBSTANCE	ACTUAL RELEASE (kg)
General Waste	67,650
Jetty Waste	1,146
Special Waste	858,739
Landfarm	0
Excess Activated Sludge	0

Signed on behalf of the Operator by



Date

02-Feb-21

Huw Morgan

Form S3/R1

Dated 17/05/2010