

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF October 2020

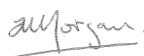
Operator: Valero Pembrokeshire Oil Terminal Limited

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	3,053	10	7.4	5	11		
2	2,718	12	7.2				
3	2,887	12	7.0				
4	2,198	12	7.1				
5	2,559	13	7.1			<0.1	1.8
6	2,271	14	7.1	6	4		
7	2,531	14	7.2				
8	2,966	14	7.0	5	4		
9	3,137	12	7.0				
10	1,952	12	7.1				
11	2,081	12	7.0				
12	2,979	12	6.9			<0.1	<1
13	2,885	12	7.1	8	2		
14	1,996	12	7.2				
15	1,537	12	7.5	5	2		
16	1,382	10	7.3				
17	1,429	14	7.1				
18	1,731	14	7.2				
19	2,508	14	7.2			<0.1	<1
20	1,132	10	7.4				
21	1,083	17	7.4	8	3		
22	1,424	14	7.4				
23	903	12	7.4	5	3		
24	884	14	7.3				
25	1,714	14	7.3				
26	1,734	14	7.2			<0.1	<1
27	1,751	14	7.1	11	4		
28	1,799	11	7.3				
29	1,733	13	7.3	10	12		
30	3,325	15	7.3				
31	3,960	14	7.0				
Maximum	3,960	17	8	11	12	0.1	1.8
Minimum	884	10	7	5	2	0.1	1
Flow-Weighted Average	-	13	7.2	7	5	0.1	1

Signed on behalf of the Operator



Date 27 November 2020

Name


H Morgan

Form S3/W1

Dated 23/05/2010

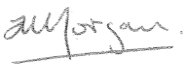
RELEASES TO WATER
 RELEASE SUMMARY FOR THE MONTH OF October 2020
 Operator: Valero Pembrokeshire Oil Terminal Limited
 Location: Waterston Refinery, Pembrokeshire, SA73 1DR
 Authorisation/Variation Number: BK1341/XP3134TC Release Point: C

	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	4.0	<0.1	<0.1	<0.01
6				
7				
8				
9				
10				
11				
12	3.0	<0.1	<0.1	<0.01
13				
14				
15				
16				
17				
18				
19	2.7	<0.1	<0.1	<0.01
20				
21				
22				
23				
24				
25				
26	4.0	<0.1	<0.1	<0.01
27				
28				
29				
30				
31				
Maximum	4.0	0.1	0.1	0.01
Minimum	2.7	0.1	0.1	0.01
Flow- Weighted Average	3.4	0.1	0.1	0.01

Signed on behalf of the Operator by H. Morgan  Form S3/W2
 Signature Date 27 November 2020 Dated 17/05/2010

RELEASES TO WATER
 RELEASE SUMMARY FOR THE MONTH OF October 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	0.13	<0.1	0.26	<1.0	<3	<20	0.7	5	2.8
Week 2	<0.05	0.15	<0.1	0.30	<1.0	<3	<20	1.7	<4	2.8
Week 3	<0.05	0.13	<0.1	0.25	<1.0	<3	<20	0.8	5	2.2
Week 4	<0.05	0.09	<0.1	0.17	<1.0	<3	<20	2.0	<4	2.8
Week 5										
Maximum	0.05	0.15	0.1	0.30	1	3	20	2.0	5	2.8
Minimum	0.05	0.09	0.1	0.17	1	3	20	0.7	4	2.2
Total		0.004		0.008						
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-Nov-20 Form S3/W3 Dated 17/05/2010

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF October 2020

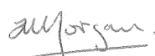
Operator: Valero Pembrokeshire Oil Terminal Limited

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	1,698	4			13	6.5	<1
2	1,520						
3	2,652						
4	1,984						
5	2,426						
6	2,106	1	16	<0.1	13	7.0	<1
7	3,357						
8	2,632	4			14	6.5	
9	3,269						
10	3,370						
11	3,455						
12	3,068						
13	2,792	2	25	<0.1	14	7.0	<1
14	2,803						
15	1,087	2			12	7	
16	1,055						
17	1,596						
18	2,486						
19	2,576						
20	2,847	6	29	<0.1	19	7.8	<1
21	2,765						
22	1,072	1			14	7.4	
23	1,421						
24	1,509						
25	2,862						
26	2,206						
27	2,230	1	18	<0.1			<1
28	2,662						
29	2,898	4			13	7.4	
30	3,400						
31	3,194						
Maximum	3,455	6	29	0.1	19	7.8	1
Minimum	1,055	1	16	0.1	12	6.5	1
Flow-Weighted Average	-	3	23	0.10		7.1	1

Signed on behalf of the Operator by



Date

27-Nov-20

H Morgan

Form S3/W4

Dated 17/05/2010

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF

October 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	0.21
Week 2	<0.05	0.14	<0.1	0.28
Week 3	<0.05	0.14	<0.1	0.28
Week 4	<0.05	0.11	<0.1	0.22
Week 5				
Maximum	0.05	0.14	0.1	0.28
Minimum	0.05	0.11	0.1	0.21
Total		0.004		0.008
Flow-Weighted Average	-	0.1	-	0.1

Signed on behalf of the Operator by



Form S3/W34A

Date 27-Nov-20

Name

H Morgan

Dated 17/05/2010

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF

October

2020

Operator: Valero Pembrokeshire Oil Terminal Limited

Location: Waterston Refinery, Pembrokeshire, SA73 1DR

Authorisation/Variation Number:

BK1341/XP3134TC

Release Point: D

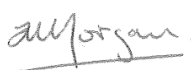
Day	Limit	Lead (ug/l) 50	Copper (ug/l) 40	Iron (ug/l) 1400	Nickel (ug/l) 10	Zinc (ug/l) 40
1						
2						
3						
4						
5						
6		<1.0	<3	<20	<0.5	<4
7						
8						
9						
10						
11						
12						
13		<1.0	<3	<20	<0.5	4
14						
15						
16						
17						
18						
19						
20		<1.0	<3	<20	<0.5	<4
21						
22						
23						
24						
25						
26						
27		<1.0	<3	<20	<0.5	<4
28						
29						
30						
31						
Maximum		1	3	20	0.500	4
Minimum		1	3	20	0.500	4
Total (kg/mth)		0.01	0.03	0.20	0.005	0.04
Flow-Weighted Average		1	3	20	0.5	4

Signed on behalf of the Operator by

H Morgan

Form S3/W5

Date 27-Nov-20



Dated 17/05/2010