

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF August 2021

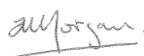
Operator: Valero Pembrokeshire Oil Terminal Limited

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	760	18	7.3				
2	547	17	7.5		16	<0.1	<1
3	254	15	7.5	19			
4	148	10	7.5				
5	197	12	7.5	16	10		
6	692	11	7.5				
7	445	16	7.3				
8	471	16	7.3				
9	304	10	7.5		19	<0.1	<1
10	371	12	7.5	22			
11	439	13	7.5				
12	890	12	7.5	16	16		
13	462	14	7.5				
14	184	17	7.3				
15	196	17	7.3				
16	480	10	7.5		15	<0.1	<1
17	769	10	7.3	22			
18	208	10	7.5				
19	140	11	7.4	23	18		
20	144	13	7.5				
21	195	16	7.2				
22	749	16	7.3				
23	309	13	7.5		13	<0.1	<1
24	132	14	7.5	22			
25	102	16	7.3				
26	95	12	7.2		16		
27	419	12	7.2				
28	364	18	7.0				
29	133	18	7.0				
30	91	17	7.0		18	<0.1	<1
31	85	13	7.1	28			
Maximum	890	18	7.5	28	19	0.1	1
Minimum	85	10	7.0	16	10	0.1	1
Flow-Weighted Average	-	14	7.4	20	16	0.1	1

Signed on behalf of the Operator



Date 29 September 2021

Name

H Morgan

Form S3/W1

Dated 23/05/2010

RELEASES TO WATER
 RELEASE SUMMARY FOR THE MONTH OF August 2021
 Operator: Valero Pembrokeshire Oil Terminal Limited
 Location: Waterston Refinery, Pembrokeshire, SA73 1DR
 Authorisation/Variation Number: BK1341/XP3134TC Release Point: C

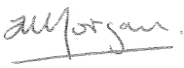
	TOC (mg/l)	Sulphide (mg/l)	Total Phenols (mg/l)	Cyanide (mg/l)
Limit	50	1	7.5	0.25
Day				
1				
2		<0.1	<0.1	<0.01
3				
4				
5				
6				
7				
8				
9		<0.1	<0.1	<0.01
10				
11				
12				
13				
14				
15				
16		<0.1	<0.1	<0.01
17				
18				
19				
20				
21				
22				
23		<0.1	<0.1	<0.01
24			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

COD analysis to follow as per email 17-09-21

Signed on behalf of the Operator by H. Morgan *H. Morgan* Form S3/W2
 Signature Date 29 September 2021 Dated 17/05/2010

RELEASES TO WATER
 RELEASE SUMMARY FOR THE MONTH OF August 2021
 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	0.027	<0.1	0.05	<1.0	<3	10	0.5	<4	<2.0
Week 2	<0.05	0.015	<0.1	0.03	<1.0	<3	52	0.6	<4	<2.0
Week 3	<0.05	0.024	<0.1	0.05	<1.0	<3	34	0.6	<4	<2.0
Week 4	<0.05	0.015	<0.1	0.03	<1.0	<3	103	0.6	4	<2.0
Week 5	<0.05	0.005	<0.1	0.01	<1.0	<3	327	1.2	<4	<2.0
Maximum	0.05	0.027	0.1	0.05	1.0	3	327	1.2	4	2.0
Minimum	0.05	0.005	0.1	0.01	1.0	3	10	0.5	4	2.0
Total		0.0005		0.001						
Flow-Weighted Average	0.05	-	0.1	-	1.0	3	57	1	4	2

Signed on behalf of the Operator 

Name H Morgan Date 29-Sep-21 Form S3/W3 Dated 17/05/2010

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF August 2021

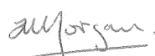
Operator: Valero Pembrokeshire Oil Terminal Limited

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	138						
2	36						
3	40	2	4	<0.1	18	6.8	<1
4	39						
5	40	2			18	6.7	
6	46						
7	741						
8	629						
9	706						
10	73	1	8	<0.1	16	6.7	<1
11	60						
12	57	1			16	6.7	
13	63						
14	75						
15	84						
16	107						
17	289	1	5	<0.1	16	6.6	<1
18	106						
19	745	3			18	7.0	
20	659						
21	69						
22	54						
23	53						
24	670	6	8	<0.1	18	7.2	<1
25	669						
26	633	3			17	7.1	
27	23						
28	13						
29	11						
30	8						
31	7	1	6	<0.1	15	6.7	<1
Maximum	745	6	8	0.1	18	7.2	1
Minimum	7	1	4	0.1	15	6.6	1
Flow-Weighted Average	-	3	7	0.1		6.8	1

Signed on behalf of the Operator by



Date

29-Sep-21

H Morgan

Form S3/W4

Dated 17/05/2010

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF

August 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	0.0100	<0.1	0.004
Week 2	<0.05	0.0037	<0.1	0.007
Week 3	<0.05	0.0145	<0.1	0.029
Week 4	<0.05	0.0335	<0.1	0.067
Week 5	<0.05	0.0004	<0.1	0.001
Maximum	0.05	0.0335	0.1	0.067
Minimum	0.05	0.0037	0.1	0.004
Total		0.0004		0.001
Flow-Weighted Average	-	0.05	-	0.1

Signed on behalf of the Operator by



Form S3/W34A

Date 29-Sep-21

Name

H Morgan

Dated 17/05/2010

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF

August

2021

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	19	0.5	<4
4						
5						
6						
7						
8						
9						
10		<1.0	<3	24	0.5	<4
11						
12						
13						
14						
15						
16						
17		<1.0	<3	62	<0.5	<4
18						
19						
20						
21						
22						
23						
24		<1.0	<3	10	<0.5	<4
25						
26						
27						
28						
29						
30						
31		<1.0	<3	211	<0.5	<4
Maximum		1.0	3	62	0.5	4
Minimum		1.0	3	24	0.5	4
Total (kg/mth)		0.01	0.02	0.18	0.003	0.03
Flow-Weighted Average		1	3	27	0.5	4

Signed on behalf of the Operator by

H Morgan

Form S3/W5

Date 29-Sep-21



Dated 17/05/2010