

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF January 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	1,740	10	7.3				
2	1,607	9	7.4	12	3		
3	1,731	7	7.4				
4	1,811	6	7.2				
5	1,666	6	7.2				
6	1,592	6	7.3		2	<0.1	<1
7	2,066	8	7.4	7			
8	1,891	8	7.4				
9	1,241	6	7.3	28	7		
10	1,953	7	7.3				
11	4,158	6	7.2				
12	3,864	6	7.3				
13	4,788	6	7.5		5	<0.1	1
14	3,677	7	7.3	17			
15	4,595	5	7.4				
16	3,220	5	7.4	27	20		
17	3,380	5	6.6				
18	3,298	12	6.8				
19	2,677	13	7.0				
20	2,986	18	7.1		5	<0.1	<1
21	3,652	17	7.2	6			
22	2,766	12	7.4				
23	2,639	6	7.4	10	4		
24	2,445	8	7.1				
25	3,507	3	6.8				
26	5,670	3	7.0				
27	2,624	4	7.1		5	<0.1	<1
28	2,395	19	7.2	12			
29	1,072	10	7.5				
30	1,592	8	7.2	15	4		
31	2,510	8	7.4				
Maximum	5,670	19	7.5	28	20	0.1	1
Minimum	1,072	3	6.6	6	2	0.1	1
Flow-Weighted Average	-	8	7.2	14	7	0.1	1

Signed on behalf of the Operator



Date

21 February 2020

Name


H Morgan

Form S3/W1

Dated 23/05/2010

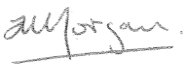
RELEASES TO WATER
 RELEASE SUMMARY FOR THE MONTH OF January 2020
 Operator: Valero Pembrokeshire Oil Terminal Limited
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 Authorisation/Variation Number: BK1341/XP3134TC Release Point: C

	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	<0.1	<0.1	<0.01
7				
8				
9				
10				
11				
12				
13	4	<0.1	<0.1	<0.01
14				
15				
16				
17				
18				
19				
20	3	<0.1	<0.1	<0.01
21				
22				
23				
24				
25				
26				
27	9	<0.1	<0.1	<0.01
28				
29				
30				
31				
Maximum	9	0.1	0.1	0.01
Minimum	3	0.1	0.1	0.01
Flow- Weighted Average	5	0.1	1.0	0.01

Signed on behalf of the Operator by H. Morgan  Form S3/W2
 Signature Date 21 February 2020 Dated 17/05/2010

RELEASES TO WATER
 RELEASE SUMMARY FOR THE MONTH OF January 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	0.08	0.1	0.16	<1	<3	234	3	7	2
Week 2	<0.05	0.06	<0.1	0.12						
Week 3	<0.05	0.16	<0.1	0.32	<1	<3	138	1	10	8
Week 4	<0.05	0.13	<0.1	0.26						
Week 5										
Maximum	0.05	0.16	0.1	0.32	1	3	234	3	10	8
Minimum	0.05	0.06	0.1	0.12	1	3	138	1	7	2
Total		0.003		0.01						
Flow-Weighted Average	-	0.1	-	0.1	1	3	20	1	4	2

Signed on behalf of the Operator 

Name H Morgan Date 21-Feb-20 Form S3/W3 Dated 17/05/2010

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF January 2020

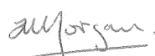
Operator: Valero Pembrokeshire Oil Terminal Limited

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	2,748						
2	2,618	1			14	7.2	
3	2,737						
4	2,797						
5	2,701						
6	2,302						
7	2,462	2	5	<0.1	12	7.4	<1
8	2,312						
9	2,312	5			16	7.2	
10	2,552						
11	2,295						
12	2,442						
13	2,410						
14	2,414	3	6	<0.1	11	7.4	<1
15	3,026						
16	2,528	4			5	7.2	
17	2,327						
18	2,634						
19	2,840						
20	2,923						
21	2,589	2	5	<0.1	10	6.8	<1
22	2,256						
23	2,547	4			14	7.1	
24	2,534						
25	2,244						
26	2,675						
27	2,368						
28	2,535	1	5	<0.1	15	7.2	<1
29	927						
30	1,120						
31	2,240						
Maximum	3,026	5	6	0.1	16	7.4	1
Minimum	927	1	5	0.1	5	6.8	1
Flow- Weighted Average	-	3	5	0.10		7.2	1

Signed on behalf of the Operator by



Date 21-Feb-20

H Morgan

Form S3/W4

Dated 17/05/2010

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF

January 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	0.14	<0.1	0.27
Week 2	<0.05	0.13	<0.1	0.26
Week 3	<0.05	0.12	<0.1	0.23
Week 4	<0.05	0.13	<0.1	0.25
Week 5				
Maximum	0.05	0.14	0.1	0.27
Minimum	0.05	0.12	0.1	0.23
Total		0.004		0.008
Flow-Weighted Average	-	0.1	-	0.1

Signed on behalf of the Operator by



Form S3/W34A

Date 21-Feb-20

Name

H Morgan

Dated 17/05/2010

RELEASES TO WATER

RELEASE SUMMARY FOR THE MONTH OF January 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						
7		<1	7	305	1	30
8						
9						
10						
11						
12						
13						
14		<1	12	63	2	34
15						
16						
17						
18						
19						
20						
21		<1	10	330	2	22
22						
23						
24						
25						
26						
27						
28		2	17	315	3	36
29						
30						
31						
Maximum		2	17	330	3	36
Minimum		1	7	63	1	22
Total (kg/mth)		0.08	0.89	19.8	0.16	2.36
Flow-Weighted Average		1	12	256	2	30

Signed on behalf of the Operator by

H Morgan

Form S3/W5

Date 21-Feb-20



Dated 17/05/2010