

Philadelphia Refinery Operations, a series of Evergreen Resources Group, LLC
Point Breeze Biofilter Remediation System
Source ID: PB-RS
System Operational Data, May 2021 through July 2021

Date	Flow Rate (CFM)	Biofilter Influent (ppm)			Biofilter Effluent (ppm)				VOC Reduction
		Packer Ave.	26 th Street	ST-1 (Combined Influent)	Cell-1N	Cell-1S	Cell-2N	Cell-2S	
7-May-21	8,200	1.2	0.7	3.6	0.0	0.0	0.0	0.0	100%
14-May-21	8,200	1.0	0.0	1.0	0.0	0.0	0.0	0.0	100%
19-May-21	8,200	1.0	1.0	6.0	0.0	0.0	0.0	0.0	100%
26-May-21	8,500	2.0	5.0	3.0	0.0	0.0	0.0	0.0	100%
4-Jun-21	8,800	1.0	1.0	1.0	0.0	0.0	0.0	0.0	100%
10-Jun-21	8,200	0.5	0.9	1.0	0.0	0.0	0.0	0.0	100%
18-Jun-21	8,200	0.5	0.9	1.0	0.0	0.0	0.0	0.0	100%
24-Jun-21	8,300	2.0	2.8	1.0	0.0	0.0	0.0	0.0	100%
1-Jul-21	7,900	3.6	3.4	1.0	0.0	0.0	0.0	0.0	100%
8-Jul-21	7,900	1.3	4.8	1.0	0.0	0.0	0.0	0.0	100%
15-Jul-21	8,200	0.1	0.2	1.0	0.0	0.0	0.0	0.0	100%
22-Jul-21	8,100	8.4	7.2	1.0	0.0	0.0	0.0	0.0	100%
29-Jul-21	7,800	0.4	1.8	1.0	0.0	0.0	0.0	0.0	100%

Notes:

CFM = cubic feet per minute

ppm = parts per million

VOC = volatile organic compounds

Philadelphia Refinery Operations, a series of Evergreen Resources Group, LLC
Point Breeze Boifilter Remediation System
Source ID: PB-RS
System Operational Data, May 2021 through July 2021

Date	Temp (°F)	Relative Humidity	Dew Point (°F)
5/7/2021	67.0	73.3	58.2
5/14/2021	69.0	68.0	58.1
5/19/2021	72.6	62.9	59.2
5/26/2021	73.6	69.0	62.9
6/4/2021	72.1	78.3	64.9
6/10/2021	80.1	61.5	65.6
6/18/2021	80.1	61.5	65.6
6/24/2021	72.4	80.4	66.0
7/1/2021	75.8	78.8	68.8
7/8/2021	79.4	72.9	69.9
7/15/2021	78.2	79.4	71.4
7/22/2021	76.4	81.5	70.4
7/29/2021	76.7	83.6	71.4

NOTES:

°F = degrees Fahrenheit

**Philadelphia Refinery Operations, a series of Evergreen Resources Group, LLC
Belmont Terminal Biofilter Remediation System
Source ID: BT-RS
System Operational Data, May 2021 through July 2021**

Date	Time	Temp (°F)	Relative Humidity	Dew Point (°F)
1-May-21	04:00	62.9	85.8	57.8
1-May-21	16:00	66.6	80.8	59.7
2-May-21	04:00	65.3	80.6	58.3
2-May-21	16:00	69.9	74.0	60.5
3-May-21	04:00	69.6	72.5	59.7
3-May-21	16:00	67.5	78.6	59.8
4-May-21	04:00	65.7	84.3	60.0
4-May-21	16:00	69.9	76.7	61.5
5-May-21	04:00	69.3	75.2	60.3
5-May-21	16:00	66.8	84.1	61.1
6-May-21	04:00	65.5	84.4	59.9
6-May-21	16:00	68.5	79.0	60.9
7-May-21	04:00	65.6	82.2	59.2
7-May-21	16:00	69.1	76.9	60.8
8-May-21	04:00	64.2	86.4	59.3
8-May-21	16:00	65.2	86.0	60.1
9-May-21	04:00	63.2	88.4	59.1
9-May-21	16:00	64.5	88.0	60.1
10-May-21	04:00	63.3	90.6	59.9
15-May-21	01:00	70.6	72.4	60.6
15-May-21	13:00	68.0	81.2	61.2
16-May-21	01:00	70.6	72.1	60.5
16-May-21	13:00	67.2	82.2	60.8
17-May-21	01:00	70.4	73.5	60.9
17-May-21	13:00	68.7	80.0	61.5
18-May-21	01:00	72.5	68.4	61.2
18-May-21	13:00	69.1	79.5	61.7
19-May-21	01:00	73.5	66.9	61.6
19-May-21	13:00	71.0	75.2	62.1
20-May-21	01:00	76.2	61.7	62.4
20-May-21	13:00	70.9	74.8	61.8
21-May-21	01:00	73.7	66.6	61.7
21-May-21	13:00	70.0	77.8	62.0
22-May-21	01:00	75.1	65.1	62.5
22-May-21	13:00	71.8	74.5	62.6
23-May-21	01:00	76.7	62.6	63.2
23-May-21	13:00	74.7	67.9	63.2
24-May-21	01:00	78.1	60.3	63.8
24-May-21	13:00	69.8	78.4	62.1
25-May-21	01:00	69.2	80.3	62.1
25-May-21	13:00	69.1	82.5	62.8
26-May-21	01:00	73.2	72.5	63.3
26-May-21	13:00	70.8	80.6	63.8
27-May-21	01:00	76.6	69.2	65.5
27-May-21	13:00	73.7	77.5	65.6
28-May-21	01:00	76.4	66.7	64.4
28-May-21	13:00	70.4	80.9	63.5
29-May-21	01:00	66.0	88.8	62.0
29-May-21	13:00	61.9	95.3	60.2
30-May-21	01:00	63.5	94.6	61.6
30-May-21	13:00	62.5	95.4	60.9
31-May-21	01:00	64.1	93.9	61.9

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System Operational Data, May 2021 through July 2021

Date	Time	Temp (°F)	Relative Humidity	Dew Point (°F)
31-May-21	13:00	66.5	89.3	62.6
1-Jun-21	01:00	72.2	74.8	63.1
1-Jun-21	13:00	69.7	82.6	63.5
2-Jun-21	01:00	73.2	73.0	63.5
2-Jun-21	13:00	70.7	81.1	63.9
3-Jun-21	01:00	74.2	70.7	63.7
3-Jun-21	13:00	69.3	84.5	63.7
4-Jun-21	01:00	74.1	75.6	65.3
4-Jun-21	13:00	71.5	81.4	64.8
5-Jun-21	01:00	75.0	75.6	66.2
5-Jun-21	13:00	73.9	77.6	65.9
6-Jun-21	01:00	79.5	62.7	66.1
6-Jun-21	13:00	75.8	71.7	65.6
7-Jun-21	01:00	80.0	62.0	66.3
7-Jun-21	13:00	76.3	71.1	65.9
8-Jun-21	01:00	80.7	61.5	66.8
8-Jun-21	13:00	77.0	69.8	66.2
9-Jun-21	01:00	75.2	80.2	68.1
9-Jun-21	13:00	75.6	76.8	67.2
10-Jun-21	01:00	78.2	69.1	67.1
10-Jun-21	13:00	76.1	74.8	67.0
11-Jun-21	01:00	76.5	69.3	65.5
11-Jun-21	13:00	70.1	85.7	65.0
12-Jun-21	01:00	69.8	87.5	65.3
12-Jun-21	13:00	72.4	82.0	65.9
13-Jun-21	01:00	74.7	74.6	65.5
13-Jun-21	13:00	73.2	80.1	66.0
14-Jun-21	01:00	75.4	73.8	66.0
14-Jun-21	13:00	73.1	80.7	66.1
15-Jun-21	01:00	77.4	71.9	67.2
15-Jun-21	13:00	74.8	79.9	67.6
16-Jun-21	01:00	77.7	69.7	66.8
16-Jun-21	13:00	74.6	78.8	67.0
17-Jun-21	01:00	77.6	68.6	66.3
17-Jun-21	13:00	73.8	78.9	66.2
18-Jun-21	01:00	77.6	68.3	66.2
18-Jun-21	13:00	74.2	79.1	66.7
19-Jun-21	01:00	78.8	67.5	67.1
19-Jun-21	13:00	75.6	76.6	67.2
20-Jun-21	01:00	76.9	72.8	67.1
20-Jun-21	13:00	75.7	76.8	67.4
21-Jun-21	01:00	80.9	64.5	68.1
21-Jun-21	13:00	76.0	76.1	67.4
22-Jun-21	01:00	79.4	69.9	68.6
22-Jun-21	13:00	73.9	82.1	67.5
23-Jun-21	01:00	70.9	88.5	66.8
23-Jun-21	13:00	72.7	84.6	67.1
24-Jun-21	01:00	76.3	73.2	66.6
24-Jun-21	13:00	73.7	81.4	67.1
25-Jun-21	01:00	77.2	70.8	66.7
25-Jun-21	13:00	73.7	81.9	67.2
26-Jun-21	01:00	78.4	69.9	67.6

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Date	Time	Temp (°F)	Relative Humidity	Dew Point (°F)
26-Jun-21	13:00	75.9	78.0	67.9
27-Jun-21	01:00	79.2	69.5	68.3
27-Jun-21	13:00	76.3	77.0	68.1
28-Jun-21	01:00	81.2	65.6	68.8
28-Jun-21	13:00	78.3	73.1	68.6
29-Jun-21	01:00	82.6	63.1	69.3
29-Jun-21	13:00	79.0	71.9	68.9
30-Jun-21	01:00	83.3	61.8	69.6
30-Jun-21	13:00	79.8	70.4	69.2
1-Jul-21	01:00	83.8	63.2	70.5
1-Jul-21	13:00	78.1	75.8	69.4
2-Jul-21	01:00	77.4	80.9	70.5
2-Jul-21	13:00	74.6	86.7	69.8
3-Jul-21	01:00	77.6	78.3	69.8
3-Jul-21	13:00	73.9	87.5	69.4
4-Jul-21	01:00	74.9	83.8	69.1
4-Jul-21	13:00	76.4	82.9	70.2
5-Jul-21	01:00	78.3	76.0	69.6
5-Jul-21	13:00	77.8	79.6	70.4
6-Jul-21	01:00	82.6	68.1	71.1
6-Jul-21	13:00	79.6	77.0	71.3
7-Jul-21	01:00	83.8	66.6	71.8
7-Jul-21	13:00	80.8	72.9	71.1
8-Jul-21	01:00	84.9	64.3	72.0
8-Jul-21	13:00	79.5	75.6	70.7
9-Jul-21	01:00	80.8	72.8	71.0
9-Jul-21	13:00	78.0	81.6	71.4
10-Jul-21	01:00	81.6	71.4	71.3
10-Jul-21	13:00	79.0	80.1	71.8
11-Jul-21	01:00	81.6	70.1	70.8
11-Jul-21	13:00	77.8	79.3	70.3
12-Jul-21	01:00	82.0	69.2	70.9
12-Jul-21	13:00	79.6	75.9	71.0
13-Jul-21	01:00	82.1	73.6	72.5
13-Jul-21	13:00	77.4	83.9	71.6
14-Jul-21	01:00	81.8	72.2	71.8
14-Jul-21	13:00	80.3	77.7	72.3
15-Jul-21	01:00	83.5	68.4	72.2
15-Jul-21	13:00	81.4	75.8	72.7
16-Jul-21	01:00	84.3	67.3	72.6
16-Jul-21	13:00	82.1	74.0	72.7
17-Jul-21	01:00	85.2	65.4	72.7
17-Jul-21	13:00	82.3	72.8	72.5
18-Jul-21	01:00	83.7	70.8	73.2
18-Jul-21	13:00	79.5	82.1	73.1
19-Jul-21	01:00	79.8	79.2	72.3
19-Jul-21	13:00	79.5	81.1	72.7
20-Jul-21	01:00	83.5	70.0	72.7
20-Jul-21	13:00	80.6	78.3	72.8
21-Jul-21	01:00	83.9	69.9	73.0
21-Jul-21	13:00	80.9	77.3	72.7
22-Jul-21	01:00	80.2	80.6	73.2

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Date	Time	Temp (°F)	Relative Humidity	Dew Point (°F)
22-Jul-21	13:00	78.7	83.6	72.8
23-Jul-21	01:00	81.4	74.2	72.2
23-Jul-21	13:00	79.1	82.2	72.7
24-Jul-21	01:00	82.0	71.4	71.7
24-Jul-21	13:00	79.5	79.2	72.0
25-Jul-21	01:00	82.8	70.0	72.0
25-Jul-21	13:00	77.8	83.1	71.7
26-Jul-21	01:00	82.5	71.7	72.3
26-Jul-21	13:00	80.4	77.1	72.1
27-Jul-21	01:00	83.8	66.7	71.8
27-Jul-21	13:00	80.6	76.1	72.0
28-Jul-21	01:00	84.0	66.7	72.0
28-Jul-21	13:00	80.1	76.3	71.5
29-Jul-21	01:00	81.6	71.6	71.3
29-Jul-21	13:00	76.8	84.4	71.1
30-Jul-21	01:00	79.5	78.5	71.8
30-Jul-21	13:00	79.9	78.0	71.9
31-Jul-21	01:00	82.1	69.5	71.2
31-Jul-21	13:00	76.6	84.6	71.1

NOTES:

°F = degrees Fahrenheit

Philadelphia Refinery Operations, a series of Evergreen Resources Group, LLC
Belmont Terminal Biofilter Remediation System
Source ID: BT-RS
System Operational Data - May 2021 - July 2021

Date	Flow Rate (cfm)	Influent Flow PID (ppm)	Treatment Cell Effluent PID (ppm)			VOC Reduction
			Cell #1	Cell #2	Cell #3	
7-May-21	3,200	1.9	0	0	0	100%
14-May-21	3,200	3.0	0	0	0	100%
19-May-21	3,300	1.0	0	0	0	100%
27-May-21	3,300	1.0	0	0	0	100%
4-Jun-21	3,200	2.0	0	0	0	100%
10-Jun-21	2,800	2.0	0	0	0	100%
16-Jun-21	4,900	1.3	0	0	0	100%
21-Jun-21	4,900	1.3	0	0	0	100%
29-Jun-21	4,700	1.3	0	0	0	100%
7-Jul-21	4,700	1.3	0	0	0	100%
14-Jul-21	4,700	1.3	0	0	0	100%
20-Jul-21	4,500	1.3	0	0	0	100%
28-Jul-21	4,300	1.3	0	0	0	100%

Notes:

cfm = cubic feet per minute
 ppm = parts per million
 °F = degrees Fahrenheit
 PID = photoionization detector
 VOC = volatile organic compounds

Philadelphia Refinery Operations, a series of Evergreen Resources Group, LLC
PGW Border Remediation System
Source ID: PB-PGW
System Operational Data, May 2021 through July 2021

Date	Influent Temperature (°F)	Influent Air Flow Rate (CFM)	PID Influent (ppm)	PID Effluent (ppm)	VOC Reduction
6-May-21	72.6	0.06	38.0	0.0	100%
12-May-21	73.8	0.19	21.0	0.0	100%
20-May-21	73.8	0.19	83.0	0.0	100%
27-May-21	75.3	0.33	83.0	0.0	100%
2-Jun-21	79.0	0.21	81.3	0.0	100%
7-Jun-21	79.0	0.05	40.0	0.0	100%
16-Jun-21	79.0	0.61	0.0	0.0	100%
22-Jun-21	79.0	1.11	68.0	0.0	100%
2-Jul-21	79.0	1.07	74.0	0.0	100%
8-Jul-21	79.0	1.07	74.0	0.0	100%
15-Jul-21	82.0	0.31	0.2	0.0	100%
21-Jul-21	84.0	0.28	36.0	0.0	100%
30-Jul-21	84.0	0.10	44.0	0.0	100%

NOTES:

CFM = cubic feet per minute

°F = degrees Fahrenheit

PID = photoionization detector

ppm = parts per million

VOC = volatile organic compounds

Philadelphia Refinery Operations, a series of Evergreen Resources Group, LLC
Maiden Lane Remediation System
Source ID: PB-ML
System Operational Data, May 2021 through July 2021

Date	PreCatalyst Set Point T1 (°C)	Catalyst Bed Temperature T2 (°C)	Catalyst Bed Temperature T3 (°C)	Air Flow rate (CFM)	PID Reading Influent (ppm)	PID Reading Effluent (ppm)	VOC Reduction
04-May-21	360	481	449	51.9	866	0.0	100%
24-May-21	330	423	404	51.2	572	0.0	100%
01-Jun-21	330	392	388	52.3	394	0.0	100%
07-Jun-21	330	407	407	52.2	438	0.0	100%
14-Jun-21	344	464	435	46.8	610	0.0	100%
21-Jun-21	330	417	409	51.3	557	0.0	100%
28-Jun-21	330	429	419	48.3	654	0.0	100%
06-Jul-21	330	410	403	47.7	458	0.0	100%
12-Jul-21	342	463	435	42.1	647	0.0	100%
20-Jul-21	330	378	369	53.0	219	0.0	100%
26-Jul-21	371	454	490	51.2	811	0.0	100%

°C = degrees Celsius

ppm = parts per million

CFM = cubic feet per minute

VOC = volatile organic compounds