

097190AFG  
10K



Medline Industries, Inc.  
www.medline.com

Northpoint Services  
1160 South Northpoint Blvd.  
Waukegan, Illinois 60685

1-224-572-6431

97547  
cc: Mohr  
MSA

October 29, 2020

Illinois Environmental Protection Agency  
Bureau of Air  
Compliance Section (#40)  
1021 North Grand Avenue, East  
P.O. Box 19276  
Springfield, IL 62794-9276

Telephone: 217/782-5811  
I.D. No.: 097190AFG  
Application No.: 19020013

RECEIVED  
STATE OF ILLINOIS  
OCT 30 2020  
ENVIRONMENTAL PROTECTION AGENCY  
BUREAU OF AIR

As required in Section 10. a. i., of the Construction Permit, the daily, monthly and annual rolling emissions of ethylene oxide (EO) are listed in the tables below beginning on the following page:

IEPA - DIVISION OF RECORDS MANAGEMENT  
RELEASABLE

DEC 15 2020

REVIEWER: RDH



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Date	Emissions Daily-Lbs EO	Rolling Emissions Monthly-Lbs EO (Limit: 15 Lb/Mo)	Rolling Emissions Annual-Lbs EO (Limit: 150 Lb/Yr)
7/1/2020	0.2777	0.2777	24.9321
7/2/2020	0.1146	0.3923	25.0467
7/3/2020	0.3688	0.7611	25.4155
7/4/2020	0.6074	1.3685	26.0229
7/5/2020	0.7737	2.1422	26.7966
7/6/2020	0.1404	2.2826	26.9370
7/7/2020	0.0000	2.2826	26.9370
7/8/2020	0.0059	2.2885	26.9429
7/9/2020	0.2166	2.5051	27.1595
7/10/2020	0.1841	2.6892	27.3436
7/11/2020	0.2609	2.9501	27.6045
7/12/2020	0.3190	3.2691	27.9235
7/13/2020	0.3196	3.5887	28.2431
7/14/2020	0.1581	3.7468	28.4012
7/15/2020	0.3926	4.1394	28.7938
7/16/2020	0.1128	4.2522	28.9066
7/17/2020	0.2346	4.4868	29.1412
7/18/2020	0.3615	4.8483	29.5027
7/19/2020	0.4169	5.2652	29.9196
7/20/2020	0.3453	5.6105	30.2649
7/21/2020	0.3486	5.9591	30.6135
7/22/2020	0.2704	6.2295	30.8839
7/23/2020	0.3746	6.6041	31.2585
7/24/2020	0.4306	7.0347	31.6891
7/25/2020	0.3439	7.3786	32.0330
7/26/2020	0.2825	7.6611	32.3155
7/27/2020	0.2491	7.9102	32.5646
7/28/2020	0.1006	8.0108	32.6652
7/29/2020	0.2086	8.2194	32.8738
7/30/2020	0.1297	8.3491	33.0035
7/31/2020	0.3671	8.7162	33.3706



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Date	Emissions Daily-Lbs EO	Rolling Emissions Monthly-Lbs EO (Limit: 15 Lb/Mo)	Rolling Emissions Annual-Lbs EO (Limit: 150 Lb/Yr)
8/1/2020	0.3185	0.3185	33.6891
8/2/2020	0.5513	0.8698	34.2404
8/3/2020	0.2416	1.1114	34.4820
8/4/2020	0.1396	1.2510	34.6216
8/5/2020	0.2235	1.4745	34.8451
8/6/2020	0.0980	1.5725	34.9431
8/7/2020	0.5558	2.1283	35.4989
8/8/2020	0.4286	2.5569	35.9275
8/9/2020	0.4629	3.0198	36.3904
8/10/2020	0.2339	3.2537	36.6243
8/11/2020	0.1292	3.3829	36.7535
8/12/2020	0.1742	3.5571	36.9277
8/13/2020	0.0888	3.6459	37.0165
8/14/2020	0.1590	3.8049	37.1755
8/15/2020	0.0338	3.8387	37.2093
8/16/2020	0.0058	3.8446	37.2152
8/17/2020	0.1008	3.9454	37.3160
8/18/2020	0.0058	3.9512	37.3218
8/19/2020	0.0133	3.9645	37.3351
8/20/2020	0.0042	3.9687	37.3393
8/21/2020	0.1227	4.0914	37.4620
8/22/2020	0.0138	4.1052	37.4758
8/23/2020	0.0263	4.1315	37.5021
8/24/2020	0.1583	4.2898	37.6604
8/25/2020	0.0425	4.3323	37.7029
8/26/2020	0.0818	4.4141	37.7847
8/27/2020	0.2904	4.7045	38.0751
8/28/2020	0.2939	4.9984	38.3690
8/29/2020	0.3875	5.3859	38.7565
8/30/2020	0.2339	5.6198	38.9904
8/31/2020	0.3206	5.9404	39.3110



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<b>Date</b>	<b>Emissions Daily-Lbs EO</b>	<b>Rolling Emissions Monthly-Lbs EO (Limit: 15 Lb/Mo)</b>	<b>Rolling Emissions Annual-Lbs EO (Limit: 150 Lb/Yr)</b>
9/1/2020	0.1632	0.1632	39.4742
9/2/2020	0.1679	0.3311	39.6421
9/3/2020	0.0665	0.3976	39.7086
9/4/2020	0.1904	0.5880	39.8990
9/5/2020	0.6291	1.2171	40.5281
9/6/2020	0.2918	1.5089	40.8199
9/7/2020	0.0476	1.5565	40.8675
9/8/2020	0.0638	1.6203	40.9313
9/9/2020	0.1397	1.7600	41.0710
9/10/2020	0.2402	2.0002	41.3112
9/11/2020	0.1354	2.1356	41.4466
9/12/2020	0.1028	2.2384	41.5494
9/13/2020	0.2432	2.4816	41.7926
9/14/2020	0.3446	2.8262	42.1372
9/15/2020	0.2897	3.1159	42.4269
9/16/2020	0.3351	3.4510	42.7620
9/17/2020	0.0592	3.5102	42.8212
9/18/2020	0.1885	3.6987	43.0097
9/19/2020	0.0814	3.7801	43.0911
9/20/2020	0.1836	3.9637	43.2747
9/21/2020	0.1129	4.0766	43.3876
9/22/2020	0.1098	4.1864	43.4974
9/23/2020	0.2094	4.3958	43.7068
9/24/2020	0.0866	4.4824	43.7934
9/25/2020	0.0491	4.5315	43.8425
9/26/2020	0.1346	4.6661	43.9771
9/27/2020	0.3647	5.0308	44.3418
9/28/2020	0.2355	5.2663	44.5773
9/29/2020	0.0893	5.3556	44.6666
9/30/2020	0.1596	5.5152	44.8262



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On Friday, August 14, 2020, after normal business hours, the Windows operating system for the CEMS unit rebooted the computer due to an upgrade. The data collection software failed to restart once the computer finished rebooting. This problem was discovered and the data collection software was restarted on the morning of Monday, August 17, 2020.

The Windows upgrade and subsequent rebooting of the CEMS computer did not affect the emissions controls equipment. The emissions controls equipment remained operational throughout the time that the CEMS was not collecting data.

In order to prevent this rebooting from happening again, the CEMS manufacturer disabled the ability of the Windows operating system to upgrade without prior authorization.

The emissions during the time that the CEMS was not collecting data were calculated using mass balance and the DRE of 99.99% established during emissions testing in March of this year. The total amount ethylene oxide that each load of product was exposed to was obtained from processing records.

The CEMS unit did report partial days' worth of emissions on the August 14, 2020 and August 17, 2020 for the times that it was logging data. In order to account for this, these reported emissions were added to the calculated emissions potentially over reporting the emissions for these days.

Additionally, as required by Section 10 a. ii., no changes to the emission monitoring system to improve the limit of quantification of the system were done.

Lastly, as required by Section 10 a. iii., no additional testing of the emission control system for ethylene oxide was conducted.

If you have any questions regarding this report, please contact me at 224-572-6437.

Clay Durbin  
Plant Manager  
Medline Industries, Inc.  
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