



University of Wisconsin – Eau Claire
 105 Garfield Avenue • P.O. Box 4004 • Eau Claire, WI 54702-4004

To: Town of Cook’s Valley, Wisconsin

Attn: Mr. Darrel Fehr, Town Chairman
 15784 40th Street
 Bloomer WI 54724
 715-568-4711 Phone
 E-Mail cv1927@bloomer.net

Air quality monitoring results, November 2015-July 2016

20 July 2016

Dear Mr. Fehr:

With this letter I would like to provide our preliminary results for air quality monitoring for the Town of Cook’s Valley for the months of November 2015-July 2016.

As you know, we are using EPA-certified federal reference method monitors to measure the levels of PM₁₀ and PM_{2.5} particulate matter.

The monitoring site was chosen based upon EPA siting criteria, the Andersen dichotomous samplers were calibrated before and after each sample using a Tetracal calibrator, and pre- and post-weight filter weights were recorded. Results from these 24-hour samples were compared to EPA standards, the State of California/World Health Organization standard, and the concurrent 24-hour averaged hourly PM_{2.5} values reported by the Eau Claire DNR regional monitor.

Date/Time	PM10 (µg/m3)	State of CA/WHO PM10 Standard (µg/m3)	EPA PM10 Standard (µg/m3)*	PM2.5 (µg/m3)	DNR PM2.5 Average (µg/m3)	EPA PM2.5 Standard (µg/m3)**
14 November 2015 0:00–23:59	6.69	20	150	2.86	3.58	12
29 February 2016 0:00–23:59	6.46	20	150	4.07	2.33	12
07 March 2016 0:00–23:59	22.9	20	150	14.6	9.88	12
13 March 2016 0:00–23:59	15.4	20	150	11.6	8.38	12
19 March 2016 0:00–23:59	6.52	20	150	3.12	1.25	12
25 March 2016 0:00–23:59	10.1	20	150	5.82	4.71	12
31 March 2016 0:00–23:59	6.73	20	150	4.64	1.08	12
06 May 2016 0:00–23:59	35.2	20	150	9.37	2.71	12
12 May 2016 0:00–23:59	9.44	20	150	3.51	2.00	12
18 May 2016 0:00–23:59	18.8	20	150	4.41	0.875	12
30 May 2016 0:00–23:59	14.1	20	150	6.26	2.63	12
05 June 2016 0:00–23:59	15.5	20	150	4.81	1.92	12

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11 June 2016 0:00-23:59	16.1	20	150	5.95	1.17	12
23 June 2016 0:00-23:59	20.8	20	150	11.9	1.79	12
05 July 2016 0:00-23:59	29.7	20	150	17.8	4.63	12
11 July 2016 0:00-23:59	17.5	20	150	7.83	4.04	12

*EPA PM10 standard is "Not to be exceeded more than once per year on average over 3 years." **PM2.5 NAAQS average annual standard.

Sincerely, 

Crispin H. Pierce, Ph.D., Professor / ENPH Program Director

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