



University of Wisconsin – Eau Claire
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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

Re: Air quality monitoring results, September-November 2015

19 February 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 September-November 2015.

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. Results from these 24-hour samples were compared to EPA standards, the State of California/World Health Organization standard, and the concurrent average hourly PM_{2.5} values reported by the Eau Claire DNR regional monitor.

Date/Time	PM10 ($\mu\text{g}/\text{m}^3$)	State of CA/WHO PM10 Standard ($\mu\text{g}/\text{m}^3$)	EPA PM10 Standard ($\mu\text{g}/\text{m}^3$)*	PM2.5 ($\mu\text{g}/\text{m}^3$)	DNR PM2.5 Average ($\mu\text{g}/\text{m}^3$)	EPA PM2.5 Standard ($\mu\text{g}/\text{m}^3$)**
3 October 2015 0:00-23:59	***	20	150	13.4	1.38	12
15 October 2015 0:00-23:59	13.6	20	150	2.32	1.75	12
21 October 0:00-23:59	23.0	20	150	8.74	6.75	12
27 October 2015 0:00-23:59	60.2	20	150	8.94	4.88	12
8 November 2015 0:00-23:59	11.7	20	150	5.16	3.92	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. ***Reweighting filter.

Sincerely,

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

Excellence. Our measure, our motto, our goal

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