



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, October-November 2014

4 March 2015

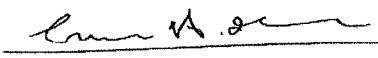
Dear Mr. Fehr:

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 January-February 2015. As you know, we are using EPA-certified federal reference method monitors to measure the levels of PM₁₀, PM₁₀ crystalline silica, PM_{2.5} and PM_{2.5} crystalline silica.

The monitoring site was chosen based upon EPA siting criteria, the Andersen dichotomous samplers were calibrated before and after each sample using a Tetralcal calibrator, and pre- and post-weight filter weights and silica weights were measured in our lab and by the RJ Lee Group (data available on request). 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* (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)*
20-21 January 12:55-12:55	Data not collected.	20	150	12.6***	13.6*	12
30 January-13 February 14:45-14:45***	7.23	20	150	5.42***	9.44	12
30 January-13 February 14:45-14:45****	7.68	20	150	5.77****	9.44	12
13-14 February 16:30-16:30	16.0***	20	150	6.54***	6.17	12
13-14 February 16:30-16:30	11.4****	20	150	4.18****	6.17	12

*EPA PM10 standard is "Not to be exceeded more than once per year on average over 3 years." and PM2.5 NAAQS average standards. **Annual average standard. ***Analytical balance used, two-week sample on 1/30. ****Micro balance used. #Only 22 hours of data available.

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

Excellence. Our measure, our motto, our goal

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