



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

18 December 2014

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 October-November 2014. 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 Tetracal calibrator, and pre- and post-weight filter weights and silica weights were measured by the RJ Lee Group (data available on request). Results from these 24-hour samples were compared to EPA standards, the concurrent average hourly PM_{2.5} values reported by the Eau Claire DNR regional monitor, and the silica standard established by the State of California and adopted by Minnesota (3 µg/m³ PM₄, last column).

Date/Time	PM10* (µg/m3)	EPA PM10 Standard (µg/m3)*	PM2.5* (µg/m3)	DNR PM2.5 Average (µg/m3)	EPA PM2.5 Standard (µg/m3)*	PM2.5* Silica (µg/m3)	Silica Standard (PM4, µg/m3)
30-31 October 15:10- 15:10	9.53	150	2.35**	1.96	12	0.282	3
7-8 November 12:00- 12:00***	8.06	150	2.37**	1.75	12	0.118**	3
7-8 November 12:00- 12:00***	7.22	150	2.27**	1.75	12	0.363	3

*EPA PM10 and PM2.5 NAAQS average standards. **Measurements below detection limits were estimated as ½ of these limits. ***Two co-located monitors were used for these samples.

Sincerely,

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

Excellence. Our measure, our motto, our goal

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