



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](mailto:cv1927@bloomer.net)

Re: Air quality monitoring results, March-May 2015

8 June 2015

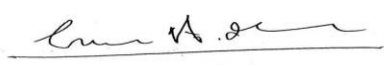
Dear Mr. Fehr:

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 March-May 2015. As you know, we are using EPA-certified federal reference method monitors to measure the levels of PM<sub>10</sub>, PM<sub>10</sub> crystalline silica, PM<sub>2.5</sub> and PM<sub>2.5</sub> 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 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<sub>2.5</sub> 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)**
6-7 March, 2015 13:58- 13:58	16.9 (analytical) 29.7 (micro)	20	150	10.0 (analytical) 15.8 (micro)	10.5	12
13-14 March, 2015 14:30-14:30	11.4 (analytical) 8.06 (micro)	20	150	8.41 (analytical) 2.87 (micro)	6.88	12
31 March, 2015 - 1 April, 2015 15:20 - 15:20	3.86 (analytical) 1.93 (micro)	20	150	.0494*** (analytical) 1.89 (micro)	1.65	12
16-17 April, 2015 15:45 - 15:45	25.4 (analytical) 10.3 (micro)	20	150	8.30 (analytical) 0**** (micro)	3.58	12
8-9 May, 2015 14:03 - 14:03	7.50 (micro)	20	150	2.00 (micro)	1.13	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. \*\*\*Static charge may have affected measurement. \*\*\*\*No mass increase detected.

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

***Excellence. Our measure, our motto, our goal***

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