

Appendix A, Table 1. Fairmount Santrol Facility Ambient PM4 Crystalline Silica Data						
Date	PM4 Crystalline Silica, $\mu\text{g}/\text{M}^3$			Wind Speed, Avg. mph ³	Wind Direction 24-Hour Average ³	Rain or Snow, Inches of Water ³
	North Location Primary Sampler	North Location Collocated Sampler ²	South Location Sampler			
March 1, 2015	<LOQ ¹		<LOQ	4	W	0.03 / 0.4
March 4, 2015	<LOQ		<LOQ	13	NW	0 / 0
March 7, 2015	0.94	1.13	<LOQ	9	WSW	0 / 0
March 10, 2015	1.19		<LOQ	4	S	0 / 0
March 13, 2015	2.13		<LOQ	4	SSE	0 / 0
March 16, 2015	1.13		<LOQ	9	WSW	0 / 0
March 19, 2015	1.25	1.44	<LOQ	5	ESE	0 / 0
March 22, 2015	1.00		<LOQ	6	ENE	0 / 0
March 25, 2015	<LOQ		<LOQ	10	WSW	0 / 0
March 28, 2015	1.06		<LOQ	2	ESE	0 / 0
March 31, 2015	0.50	<LOQ	<LOQ	10	NW	0 / 0

- Notes: 1. LOQ means the minimum level of quantification
2. The collocated samplers operates every 12 calendar days
3. The meteorological tower was not operational during this time period. Meteorological data was obtained from the Morris, Illinois airport (James Washburn Municipal Airport).