Appendix A Table 1. Wedron Silica Facility Ambient PM4 Crystalline Silica Data							
	PM4 Cry	stalline Silica, µg/m <sup>3</sup>		Wind	Wind		
Date	North Location Primary Sampler [1]	North Location Collocated Sampler <sup>[1,2]</sup>	South Location Primary Sampler	Speed, Average, mph <sup>[3]</sup>	Direction, 24-Hour Average <sup>[3]</sup>	Rain, Inches <sup>[3]</sup>	
March 1, 2016	<loq< td=""><td><l00< td=""><td><loq< td=""><td>13.9</td><td>NW</td><td>0.00</td></loq<></td></l00<></td></loq<>	<l00< td=""><td><loq< td=""><td>13.9</td><td>NW</td><td>0.00</td></loq<></td></l00<>	<loq< td=""><td>13.9</td><td>NW</td><td>0.00</td></loq<>	13.9	NW	0.00	
March 4, 2016	1.44		<loq< td=""><td>4.4</td><td>SE</td><td>0.05</td></loq<>	4.4	SE	0.05	
March 7, 2016	8.00		<loq< td=""><td>10.9</td><td>S</td><td>0.00</td></loq<>	10.9	S	0.00	
March 10, 2016	0.31		No Data <sup>[4]</sup>	4.8	NNW	0.00	
March 13, 2016	<loq< td=""><td><loq< td=""><td><loq< td=""><td>7.3</td><td>ENE</td><td>0.90</td></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""><td>7.3</td><td>ENE</td><td>0.90</td></loq<></td></loq<>	<loq< td=""><td>7.3</td><td>ENE</td><td>0.90</td></loq<>	7.3	ENE	0.90	

Note 1. <LOQ indicates values below the minimum level of quantification of 0.31  $\mu$ g/m<sup>3</sup>. Note 2. The collocated sampler operates every 12 calendar days. Note 3. All meteorological data are from the Davis South monitor.

Note 4. No data were recorded at the South Partisol on March 10, 2016 because power to the sampler was lost, and the sample was less than 23 hours in duration.

Appe	Appendix A Table 1. Wedron Silica Facility Ambient PM4 Crystalline Silica Data							
	PM4 Cry	PM4 Crystalline Silica, μg/M <sup>3</sup>			Wind			
Date	North Location Primary Sampler [1]	North Location Collocated Sampler [1,2]	South Location Primary Sampler	Wind Speed, Average, mph <sup>[3]</sup>	Direction, 24-Hour Average <sup>[3]</sup>	Rain, Inches <sup>[3]</sup>		
February 3, 2016	<loq< td=""><td></td><td>No Data<sup>[4]</sup></td><td>14.5</td><td>W</td><td>0.00</td></loq<>		No Data <sup>[4]</sup>	14.5	W	0.00		
February 6, 2016	1.56	1.69	<loq< td=""><td>4.8</td><td>SSW</td><td>0.00</td></loq<>	4.8	SSW	0.00		
February 9, 2016	<loq< td=""><td></td><td><loq< td=""><td>13.4</td><td>WNW</td><td>0.00</td></loq<></td></loq<>		<loq< td=""><td>13.4</td><td>WNW</td><td>0.00</td></loq<>	13.4	WNW	0.00		
February 12, 2016	<loq< td=""><td></td><td><loq< td=""><td>12.2</td><td>WNW</td><td>0.00</td></loq<></td></loq<>		<loq< td=""><td>12.2</td><td>WNW</td><td>0.00</td></loq<>	12.2	WNW	0.00		
February 15, 2016	0.44		<loq< td=""><td>3.9</td><td>ESE</td><td>0.00</td></loq<>	3.9	ESE	0.00		
February 18, 2016	1.94	1.00	<loq< td=""><td>11.5</td><td>ESE</td><td>0.00</td></loq<>	11.5	ESE	0.00		
February 21, 2016	<loq< td=""><td></td><td><loq< td=""><td>6.7</td><td>NNE</td><td>0.00</td></loq<></td></loq<>		<loq< td=""><td>6.7</td><td>NNE</td><td>0.00</td></loq<>	6.7	NNE	0.00		
February 24, 2016	<loq< td=""><td></td><td><loq< td=""><td>19.0</td><td>NNE</td><td>0.01</td></loq<></td></loq<>		<loq< td=""><td>19.0</td><td>NNE</td><td>0.01</td></loq<>	19.0	NNE	0.01		
February 27, 2016	3.00	<u>-</u>	<loq< td=""><td>10.9</td><td>SSW</td><td>0.00</td></loq<>	10.9	SSW	0.00		

Note 1. <LOQ indicates values below the minimum level of quantification of 0.31  $\mu$ g/m<sup>3</sup>. Note 2. The collocated sampler operates every 12 calendar days.

Note 4. No data were recorded at the South Partisol on February 3, 2016 because power to the sampler was lost and the sample was less than 23 hours in duration.

Note 3. All meteorological data are from the Davis South monitor.

Арре	endix A Table 1. W	edron Silica Facility	Ambient PM4 Cr	ystalline Sil	ica Data	
	PM4 Cry	stalline Silica, µg/M³		Wind	Wind	
Date	North Location Primary Sampler <sup>[2]</sup>	North Location Collocated Sampler [1,2]	South Location Primary Sampler	Speed, Average, mph <sup>[3]</sup>	Direction,	Rain, Inches <sup>[3]</sup>
January 1, 2016	<loq< td=""><td><loq< td=""><td><loq< td=""><td>13.1</td><td>WSW</td><td>0</td></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""><td>13.1</td><td>WSW</td><td>0</td></loq<></td></loq<>	<loq< td=""><td>13.1</td><td>WSW</td><td>0</td></loq<>	13.1	WSW	0
January 4, 2016	<loq< td=""><td></td><td><loq< td=""><td>5.6</td><td>WNW</td><td>0</td></loq<></td></loq<>		<loq< td=""><td>5.6</td><td>WNW</td><td>0</td></loq<>	5.6	WNW	0
January 7, 2016	2.50		<loq< td=""><td>4.8</td><td>SE</td><td>0</td></loq<>	4.8	SE	0
January 10, 2016	<loq< td=""><td></td><td><loq< td=""><td>15.3</td><td>W</td><td>0</td></loq<></td></loq<>		<loq< td=""><td>15.3</td><td>W</td><td>0</td></loq<>	15.3	W	0
January 13, 2016	1.63	1.63	<loq< td=""><td>6.7</td><td>SSW</td><td>0</td></loq<>	6.7	SSW	0
January 16, 2016	<loq< td=""><td></td><td><loq< td=""><td>12.5</td><td>W</td><td>0</td></loq<></td></loq<>		<loq< td=""><td>12.5</td><td>W</td><td>0</td></loq<>	12.5	W	0
January 19, 2016	0.44		<loq< td=""><td>3.3</td><td>E</td><td>0</td></loq<>	3.3	E	0
January 22, 2016	<loq< td=""><td></td><td><loq< td=""><td>10.6</td><td>NNE</td><td>0</td></loq<></td></loq<>		<loq< td=""><td>10.6</td><td>NNE</td><td>0</td></loq<>	10.6	NNE	0
January 25, 2016	3.06	3.00	<loq< td=""><td>8.8</td><td>SE</td><td>0.11</td></loq<>	8.8	SE	0.11
January 28, 2016	<loq< td=""><td></td><td>0.31</td><td>11.3</td><td>W</td><td>0</td></loq<>		0.31	11.3	W	0
January 31, 2016	1.75		<loq< td=""><td>6.5</td><td>W</td><td>0</td></loq<>	6.5	W	0

Note 2. < LOQ indicates values below the minimum level of quantification of 0.31  $\mu\text{g/m}^3$  .

Note 3. All meteorological data are from the Davis South monitor.

Appe	endix A Table 1. W	edron Silica Facility	Ambient PM4 Cr	ystalline Sil	ica Data	
	PM4 Crystalline Silica, μg/M <sup>3</sup>			Wind	Wind	
	North	North	South	Speed,	Direction,	Rain,
Date	Location	Location	Location	Average,	24-Hour	Inches <sup>[3]</sup>
	Primary	Collocated	Primary	mph <sup>[3]</sup>	Average <sup>[3]</sup>	menes
	Sampler [2]	Sampler [1]	Sampler [2]	трп	Tiverage	
December 2, 2015	<loq< td=""><td></td><td><loq< td=""><td>7.1</td><td>WNW</td><td>0.05</td></loq<></td></loq<>		<loq< td=""><td>7.1</td><td>WNW</td><td>0.05</td></loq<>	7.1	WNW	0.05
December 5, 2015	1.94		<loq< td=""><td>5.1</td><td>SE</td><td>0.01</td></loq<>	5.1	SE	0.01
December 8, 2015	6.19	6.38	<loq< td=""><td>7.8</td><td>SSE</td><td>0</td></loq<>	7.8	SSE	0
December 11, 2015	1.13		<loq< td=""><td>4.9</td><td>SW</td><td>0</td></loq<>	4.9	SW	0
December 14, 2015	1.44		<loq< td=""><td>14.8</td><td>SSW</td><td>0.14</td></loq<>	14.8	SSW	0.14
December 17, 2015	<loq< td=""><td></td><td><loq< td=""><td>12.2</td><td>W</td><td>0</td></loq<></td></loq<>		<loq< td=""><td>12.2</td><td>W</td><td>0</td></loq<>	12.2	W	0
December 20, 2015	$6.88^{4}$	6.88	<loq< td=""><td>14.9</td><td>SSW</td><td>0.05</td></loq<>	14.9	SSW	0.05
December 23, 2015	8.75 <sup>5</sup>		<loq< td=""><td>14.0</td><td>ESE</td><td>0.64</td></loq<>	14.0	ESE	0.64
December 26, 2015	<loq< td=""><td></td><td><loq< td=""><td>8.7</td><td>ENE</td><td>0.31</td></loq<></td></loq<>		<loq< td=""><td>8.7</td><td>ENE</td><td>0.31</td></loq<>	8.7	ENE	0.31
December 29, 2015	<loq< td=""><td>10 1 1</td><td><loq< td=""><td>11.0</td><td>WSW</td><td>0</td></loq<></td></loq<>	10 1 1	<loq< td=""><td>11.0</td><td>WSW</td><td>0</td></loq<>	11.0	WSW	0

Note 2. <LOQ indicates values below the minimum level of quantification of 0.31  $\mu$ g/m<sup>3</sup>.

Note 3. All meteorological data are from the Davis South monitor.

Note 4. Air Control Techniques, P.C. believes that sampler operator made several errors in charging and recovering filters between December 20<sup>th</sup> and December 23<sup>rd</sup>. The filter for December 20<sup>th</sup> was apparently recovered and then recharged for a second sampling period on December 23<sup>rd</sup>. The filter placed in the petri dish for December 20<sup>th</sup> was apparently an unused filter. Due to the problems with the primary sampler, the data provided by the collocated sampler is being used as primary data.

Note 5. The value reported on December 23<sup>rd</sup> is due to a double sampling run issue.

Appe	endix A Table 1. W	edron Silica Facility	Ambient PM4 Cr	ystalline Si	ilica Data	
	PM4 Crystalline Silica, μg/M <sup>3</sup>				Wind	
	North	North	South	Wind	Direction	Rain and
Date	Location	Location	Location	Speed,	24-Hour	Snow,
	Primary	Collocated	Primary	Avg.	Average	Inches [3]
	Sampler [2]	Sampler [1, 2]	Sampler [2]	mph		
November 2, 2015	10.13	11.00	<loq< td=""><td>8.0</td><td>SW</td><td>0</td></loq<>	8.0	SW	0
November 5, 2015	9.44		<loq< td=""><td>6.7</td><td>S</td><td>0</td></loq<>	6.7	S	0
November 8, 2015	0.81		<loq< td=""><td>12.3</td><td>W</td><td>0.17</td></loq<>	12.3	W	0.17
November 11, 2015	6.19		<loq< td=""><td>2.8</td><td>ENE</td><td>0.05</td></loq<>	2.8	ENE	0.05
November 14, 2015	4.69	4.94	<loq< td=""><td>23.6</td><td>W</td><td>3.56</td></loq<>	23.6	W	3.56
November 17, 2015	2.94		<loq< td=""><td>8.8</td><td>SSW</td><td>0.54</td></loq<>	8.8	SSW	0.54
November 20, 2015	<loq< td=""><td></td><td><loq< td=""><td>18.7</td><td>SSW</td><td>0</td></loq<></td></loq<>		<loq< td=""><td>18.7</td><td>SSW</td><td>0</td></loq<>	18.7	SSW	0
November 23, 2015	1.31		No Data	4.1	N	0
November 26, 2015	4.38	5.06	<loq< td=""><td>5.5</td><td>ESE</td><td>0</td></loq<>	5.5	ESE	0
November 29, 2015	<loq< td=""><td></td><td><loq< td=""><td>14.6</td><td>NNE</td><td>0</td></loq<></td></loq<>		<loq< td=""><td>14.6</td><td>NNE</td><td>0</td></loq<>	14.6	NNE	0

Note 2. < LOQ indicates values below the minimum level of quantification of 0.31  $\mu g/m^3$ . Note 3. The Met One rain gauge is operating,

Appe	Appendix A Table 1. Wedron Silica Facility Ambient PM4 Crystalline Silica Data								
	PM4 Crystalline Silica, μg/M <sup>3</sup>				Wind				
	North	North	South	Wind	Direction	Rain and			
Date	Location	Location	Location	Speed,	24-Hour	Snow,			
	Primary	Collocated	Primary	Avg.	Average	Inches [3]			
	Sampler [2]	Sampler [1, 2]	Sampler [2]	Mph					
October 3, 2015	<loq< td=""><td></td><td>0.31</td><td>15.9</td><td>NE</td><td>0</td></loq<>		0.31	15.9	NE	0			
October 6, 2015	0.44		<loq< td=""><td>5.1</td><td>ENE</td><td>0</td></loq<>	5.1	ENE	0			
October 9, 2015	<loq< td=""><td><loq< td=""><td>0.50</td><td>8.8</td><td>Е</td><td>0</td></loq<></td></loq<>	<loq< td=""><td>0.50</td><td>8.8</td><td>Е</td><td>0</td></loq<>	0.50	8.8	Е	0			
October 12, 2015	1.75		0.69	14	WSW	0			
October 15, 2015	1.88		0.56	9.0	WSW	0			
October 18, 2015	2.00		0.44	5.1	SW	0			
October 21, 2015	3.00	2.88	0.63	8.7	SW	0.01			
October 24, 2015	0.94		<loq< td=""><td>13.0</td><td>W</td><td>0.15</td></loq<>	13.0	W	0.15			
October 27, 2015	0.75		<loq< td=""><td>10.4</td><td>Е</td><td>0.5</td></loq<>	10.4	Е	0.5			
October 30, 2015	3.13		<loq< td=""><td>4.7</td><td>SSW</td><td>0</td></loq<>	4.7	SSW	0			

Note 2. <LOQ indicates values below the minimum level of quantification of 0.31  $\mu g/m^3$ .

Note 3. The Met One rain gauge is still not operating, Wedron Silica is working with Murray and Trettel to swap out the data logger so that it will be compatible with the rain gauge. Rain data was gathered from the Davis Vantage Vue weather station located at the South Location.

Appe	Appendix A Table 1. Wedron Silica Facility Ambient PM4 Crystalline Silica Data								
	PM4 Crystalline Silica, μg/M <sup>3</sup>				Wind				
Date	North Location Primary Sampler <sup>[2]</sup>	North Location Collocated Sampler [1, 2]	South Location Primary Sampler <sup>[2]</sup>	Wind Speed, Avg. Mph	Direction 24-Hour Average	Rain and Snow, Inches [3]			
September 3, 2015	1.19	1.19	<loq< td=""><td>6.2</td><td>SW</td><td>0</td></loq<>	6.2	SW	0			
September 6, 2015	6.06		0.44	7.3	S	0			
September 9, 2015	<loq< td=""><td></td><td><loq< td=""><td>5.1</td><td>NE</td><td>0</td></loq<></td></loq<>		<loq< td=""><td>5.1</td><td>NE</td><td>0</td></loq<>	5.1	NE	0			
September 12, 2015	<loq< td=""><td><loq<sup>[4]</loq<sup></td><td><loq< td=""><td>7.9</td><td>WSW</td><td>0</td></loq<></td></loq<>	<loq<sup>[4]</loq<sup>	<loq< td=""><td>7.9</td><td>WSW</td><td>0</td></loq<>	7.9	WSW	0			
September 15, 2015	7.13	7.50	<loq< td=""><td>8.8</td><td>S</td><td>0</td></loq<>	8.8	S	0			
September 18, 2015	2.31		<loq< td=""><td>8</td><td>S</td><td>2.4</td></loq<>	8	S	2.4			
September 21, 2015	0.94		<loq< td=""><td>4.6</td><td>ESE</td><td>0</td></loq<>	4.6	ESE	0			
September 24, 2015	<loq< td=""><td></td><td>No Data [5]</td><td>6</td><td>ENE</td><td>0</td></loq<>		No Data [5]	6	ENE	0			
September 27, 2015	1.31	1.25	<loq< td=""><td>4.2</td><td>SE</td><td>0</td></loq<>	4.2	SE	0			
September 30, 2015	<loq< td=""><td>`</td><td><loq< td=""><td>13.2</td><td>NNE</td><td>0</td></loq<></td></loq<>	`	<loq< td=""><td>13.2</td><td>NNE</td><td>0</td></loq<>	13.2	NNE	0			

Note 2. <LOQ indicates values below the minimum level of quantification of 0.31  $\mu g/m^3.$ 

Note 3. The Met One rain gauge is still not operating, Wedron Silica is working with Murray and Trettel to swap out the data logger so that it will be compatible with the rain gauge. Rain data was gathered from the Davis Vantage Vue weather station located at the South Location.

Note 4. September 12, 2015 was mistakenly sampled however it is not on the EPA 12 Day monitoring schedule.

Note 5. No data are available for the South Location on September 24, 2015 because the sampler was not left in the "Wait Mode;" therefore, it did not sample.

Appe	endix A Table 1. W	edron Silica Facility	Ambient PM4 Cı	ystalline Si	ilica Data	
-	PM4 Cry	PM4 Crystalline Silica, μg/M <sup>3</sup>			Wind	
	North	North	South	Wind	Direction	Rain and
Date	Location	Location	Location	Speed,	24-Hour	Snow,
	Primary	Collocated	Primary	Avg.	Average [3]	Inches [3]
	Sampler [2]	Sampler [1, 2]	Sampler [2]	Mph [3]	Tiverage	
August 1, 2015	0.50		<loq< td=""><td>5.2</td><td>WSW</td><td>0</td></loq<>	5.2	WSW	0
August 4, 2015	0.56		0.38	3.5	W	0
August 7, 2015	5.50		<loq< td=""><td>4.6</td><td>SSW</td><td>0</td></loq<>	4.6	SSW	0
August 10, 2015	<loq< td=""><td><loq< td=""><td><loq< td=""><td>4.5</td><td>WNW</td><td>0.07</td></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""><td>4.5</td><td>WNW</td><td>0.07</td></loq<></td></loq<>	<loq< td=""><td>4.5</td><td>WNW</td><td>0.07</td></loq<>	4.5	WNW	0.07
August 13, 2015	1.69		<loq< td=""><td>5.2</td><td>SW</td><td>0</td></loq<>	5.2	SW	0
August 16, 2015	2.38		<loq< td=""><td>4.3</td><td>SSW</td><td>0</td></loq<>	4.3	SSW	0
August 19, 2015	1.81		<loq< td=""><td>11</td><td>WSW</td><td>0</td></loq<>	11	WSW	0
August 22, 2015	3.44	3.38	<loq< td=""><td>5.4</td><td>SE</td><td>0</td></loq<>	5.4	SE	0
August 25, 2015	<loq< td=""><td></td><td><loq< td=""><td>5.7</td><td>WNW</td><td>0</td></loq<></td></loq<>		<loq< td=""><td>5.7</td><td>WNW</td><td>0</td></loq<>	5.7	WNW	0
August 28, 2015	1.38		<loq< td=""><td>2.6</td><td>ESE</td><td>0</td></loq<>	2.6	ESE	0
August 31, 2015	1.69	0.81	0.50	2.3	SSE	0.01

Note 1. The collocated sampler operates every 12 calendar days.

Note 2. <LOQ indicates values below the minimum level of quantification of 0.31  $\mu g/m^3.$ 

Note 3. The meteorological tower was not operational during this time period. Meteorological data were obtained from a Davis Instruments Vantage Vue Wireless Weather Station at the South location while the meteorological station is being repaired.

Appen	dix A Table 1. We	dron Silica Faci	lity Ambient PM	14 Crystalline Sil	ica Data	
		ystalline Silica, į		Wind		
Date	North Location Primary Sampler <sup>2</sup>	North Location Collocated Sampler <sup>1</sup>	South Location Primary Sampler <sup>2</sup>	Wind Speed, Avg. Mph <sup>3</sup>	Direction 24-Hour Average <sup>3</sup>	Rain and Snow, Inches <sup>3</sup>
July 2, 2015	<loq< td=""><td></td><td><loq< td=""><td>8.9</td><td>NE</td><td>0.00</td></loq<></td></loq<>		<loq< td=""><td>8.9</td><td>NE</td><td>0.00</td></loq<>	8.9	NE	0.00
July 5, 2015	2.88	3.06	<loq< td=""><td>3</td><td>SSW</td><td>0.00</td></loq<>	3	SSW	0.00
July 8, 2015	0.44		<loq< td=""><td>4.2</td><td>NE</td><td>0.29</td></loq<>	4.2	NE	0.29
July 11, 2015	1.25		<loq< td=""><td>3.1</td><td>SE</td><td>0.07</td></loq<>	3.1	SE	0.07
July 14, 2015	<loq< td=""><td></td><td><loq< td=""><td>7.8</td><td>NW</td><td>0.00</td></loq<></td></loq<>		<loq< td=""><td>7.8</td><td>NW</td><td>0.00</td></loq<>	7.8	NW	0.00
July 17, 2015	No Valid Data <sup>4</sup>	2.50	0.44	5.2	SSW	0.03
July 20, 2015	$3.69^{6}$		No Data <sup>5</sup>	3.7	WSW	0.00
July 23, 2015	0.50		0.44	1.2	ENE	0.00
July 26, 2015	<loq< td=""><td></td><td><loq< td=""><td>4.1</td><td>NE</td><td>0.02</td></loq<></td></loq<>		<loq< td=""><td>4.1</td><td>NE</td><td>0.02</td></loq<>	4.1	NE	0.02
July 29, 2015	0.81	0.81	<loq< td=""><td>7.4</td><td>WNW</td><td>0.05</td></loq<>	7.4	WNW	0.05

Note 2. <LOQ indicates values below the minimum level of quantification of 0.31  $\mu g/m^3$ .

Note 3. The meteorological tower was not operational during this time period. Meteorological data were obtained from a Davis Instruments Vantage Vue Wireless Weather Station at the South location while the meteorological station is being repaired.

Note 4. There are no data for the North primary sampler on July 17, 2015. The collocated sampler concentration is being used as primary data.

Note 5. No data is available for the South Location on July 20, 2015 because the sampler was not left in the "Wait Mode" and therefore it did not sample.

Note 6. This value might be biased to higher-than-true due to a probable filter double-sampling mistake.

Appen	dix A Table 1. We	edron Silica Faci	lity Ambient PM	14 Crystalline Sil	ica Data	
	PM4 Cr	ystalline Silica, <sub>I</sub>	ug/M <sup>3</sup>		Wind	
Date	North Location Primary Sampler <sup>2</sup>	North Location Collocated Sampler <sup>1</sup>	South Location Primary Sampler <sup>2</sup>	Wind Speed, Avg. Mph <sup>3</sup>	Direction 24-Hour Average <sup>3</sup>	Rain and Snow, Inches <sup>3</sup>
June 2, 2015	0.88	1	<loq< td=""><td>3.9</td><td>ESE</td><td>0.00</td></loq<>	3.9	ESE	0.00
June 5, 2015	0.31		No Data <sup>4</sup>	9.4	NE	0.01
June 8, 2015	0.75		No Data <sup>4</sup>	7.5	SW	0.34
June 11, 2015	1.31	1.5	<loq< td=""><td>6</td><td>ENE</td><td>0.06</td></loq<>	6	ENE	0.06
June 14, 2015	3.38		<loq< td=""><td>6.1</td><td>WSW</td><td>1.51</td></loq<>	6.1	WSW	1.51
June 17, 2015	1.00		<loq< td=""><td>3.4</td><td>ENE</td><td>0.05</td></loq<>	3.4	ENE	0.05
June 20, 2015	1.63		<loq< td=""><td>6.6</td><td>NE</td><td>0.98</td></loq<>	6.6	NE	0.98
June 23, 2015	<loq< td=""><td><loq< td=""><td><loq< td=""><td>6.0</td><td>WNW</td><td>0.01</td></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""><td>6.0</td><td>WNW</td><td>0.01</td></loq<></td></loq<>	<loq< td=""><td>6.0</td><td>WNW</td><td>0.01</td></loq<>	6.0	WNW	0.01
June 26, 2015	<loq< td=""><td></td><td><loq< td=""><td>9.1</td><td>NE</td><td>0.41</td></loq<></td></loq<>		<loq< td=""><td>9.1</td><td>NE</td><td>0.41</td></loq<>	9.1	NE	0.41
June 29, 2015	<loq< td=""><td></td><td><loq< td=""><td>4.0</td><td>NE</td><td>0.00</td></loq<></td></loq<>		<loq< td=""><td>4.0</td><td>NE</td><td>0.00</td></loq<>	4.0	NE	0.00

Note 2. <LOQ indicates values below the minimum level of quantification of 0.31  $\mu$ g/M<sup>3</sup>.

Note 3. The meteorological tower was not operational during this time period. Meteorological data were obtained from a Davis Instruments Vantage Vue Wireless Weather Station at the South location while the meteorological station is being repaired.

Note 4. The power supply in the Partisol was destroyed as a results of a possible power surge. The power supply was replaced and the Partisol was audited to verify proper operation. No sampling was completed at the South location on June 5 and June 8 while the power supply was ordered, and installed by the sampling technician.

Appen	dix A Table 1. We	edron Silica Faci	lity Ambient PM	14 Crystalline Sil	ica Data	
	PM4 Cr	ystalline Silica, į	ug/M <sup>3</sup>		Wind	
	North	North	South	Wind Speed,	Direction	Rain and
Date	Location	Location	Location	Avg. Mph <sup>3</sup>	24-Hour	Snow,
	Primary	Collocated	Primary	Mph <sup>3</sup>	Average <sup>3</sup>	Inches <sup>3</sup>
	Sampler <sup>2</sup>	Sampler <sup>1</sup>	Sampler <sup>2</sup>		Tiverage	
May 3, 2015	5.25		0.50	9	SSW	0.32
May 6, 2015	3.19	3.5	<loq< td=""><td>4</td><td>SE</td><td>0</td></loq<>	4	SE	0
May 9, 2015	<loq< td=""><td></td><td><loq< td=""><td>4</td><td>NE</td><td>0.01</td></loq<></td></loq<>		<loq< td=""><td>4</td><td>NE</td><td>0.01</td></loq<>	4	NE	0.01
May 12, 2015	<loq< td=""><td></td><td><loq< td=""><td>17</td><td>WNW</td><td>0</td></loq<></td></loq<>		<loq< td=""><td>17</td><td>WNW</td><td>0</td></loq<>	17	WNW	0
May 15, 2015	2.81		<loq< td=""><td>10</td><td>SW</td><td>0.08</td></loq<>	10	SW	0.08
May 18, 2015	1.13	1.3	0.50	13	W	0
May 21, 2015	0.44		<loq< td=""><td>7</td><td>WNW</td><td>0.01</td></loq<>	7	WNW	0.01
May 24, 2015	2.25		0.31	7	SE	0.37
May 27, 2015	0.31		<loq< td=""><td>12</td><td>W</td><td>0.06</td></loq<>	12	W	0.06
May 30, 2015	0.38	0.4	<loq< td=""><td>6</td><td>NNW</td><td>0.48</td></loq<>	6	NNW	0.48

Note 2. <LOQ indicates values below the minimum level of quantification of 0.30  $\mu g/M^3$ . Note 3. The meteorological tower was not operational during this time period. Meteorological data was obtained online from the Morris, Illinois airport (James Washburn Municipal Airport).