

# ENVIROSCIENCE CONSULTANTS, INC.

2150 SMITHTOWN AVE. + RONKONKOMA, NY 11779 + (631) 580-3191

344 MAIN ST., SUITE 101 + MT. KISCO, NY 10549 + (914) 666-8933

ELAP # 11681; NVLAP Lab Code 200531-0

## TEM AIR SAMPLE RESULTS

CLIENT:	Town of Islip	SAMPLE DATE:	8/6/2014
PROJECT NAME:	Roberto Clemente Park	DATE RECEIVED:	8/6/2014
AREA:	Perimeter Monitoring	SAMPLE TYPE:	Ambient
JOB #:	11114	SAMPLER:	Edik Ivans
PAGE #:	1 of 2	CUSTODY #:	11621

Sample #	Sample Location	Start	End	Run Time Minutes	Flow Rate Average	Volume Liters	Total Asbestos Structures	Type	# of structures > 5 $\mu$	# of structures >0.5 $\mu$ <5 $\mu$	Filter Conc. S/mm <sup>2</sup>	Sensitivity S/cc	Air Conc. S/cc
T1 IWA	North Perimeter	9:05	11:05	120	10	1200	0		0	0	0	.0043	<.0043
T2 IWA	North Perimeter	9:05	11:05	120	10	1200	0		0	0	0	.0043	<.0043
T3 IWA	Northwest Perimeter	9:08	11:08	120	10	1200	0		0	0	0	.0043	<.0043
T4 IWA	Northwest Perimeter	9:08	11:08	120	10	1200	0		0	0	0	.0043	<.0043
T5 IWA	West Perimeter	9:12	11:12	120	10	1200	0		0	0	0	.0043	<.0043
T6 IWA	West Perimeter	9:12	11:12	120	10	1200	0		0	0	0	.0043	<.0043
T7 IWA	Southwest Perimeter	9:15	11:15	120	10	1200	0		0	0	0	.0043	<.0043
T8 IWA	Southwest Perimeter	9:15	11:15	120	10	1200	0		0	0	0	.0043	<.0043
T9 IWA	South Perimeter	11:21	13:21	120	10	1200	0		0	0	0	.0043	<.0043

S=Asbestos structures, cc=cubic centimeters, mm=millimeters,  $\mu$ =micrometer  
<=less than, >greater than, Flow Rate in liters per minute

Analyzed by: 

Date Analyzed: 8/6/2014

Samples were analyzed using Philips 400T Transmission Electron Microscope. Asbestos identification is determined by morphology, visual Selected Area Electron Diffraction (SAED), and Elemental Analysis using an Energy Dispersive X-ray Analyzer (EDAX).

Concentration on the filter is calculated by taking the number of asbestos structures and dividing by the area analyzed. Air concentration is calculated by multiplying the effective filter area (EFA) by the filter concentration and then dividing by the volume of air collected in cubic centimeters (cc).

The data pertaining to these calculations can be found on the Asbestos Count Sheet.

The air filter concentration relates only to air fiber content. When samples are submitted by an outside agency for analysis, Enviroscience Consultants, Inc. can only guarantee the accuracy of the filter concentration. This report may not be reproduced without the express permission of Enviroscience. This report cannot be used to claim endorsement of products by NVLAP or any agency of the U.S. Government.

The samples collected in the response action area demonstrated a filter concentration of asbestos less than seventy structures per square millimeter. This response action is considered complete according to EPA 40 CFR 763.

A result of zero structures per square millimeter is only applicable to the area analyzed. Test results only reflect conditions at the time the samples were taken.

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PROJECT NAME:	Roberto Clemente Park	DATE RECEIVED:	8/6/2014
AREA:	Perimeter Monitoring	SAMPLE TYPE:	Ambient
JOB #:	11114	SAMPLER:	Edik Ivans
PAGE #:	2 of 2	CUSTODY #:	11621

Sample #	Sample Location	Start	End	Run Time Minutes	Flow Rate Average	Volume Liters	Total Asbestos Structures	Type	# of structures > 5 $\mu$	# of structures >0.5 $\mu$ <5 $\mu$	Filter Conc. S/mm <sup>2</sup>	Sensitivity S/cc	Air Conc. S/cc
T10 IWA	South Perimeter	11:21	13:21	120	10	1200	0		0	0	0	.0043	<.0043
T11 IWA	Northeast Perimeter	11:24	13:24	120	10	1200	0		0	0	0	.0043	<.0043
T12 IWA	Northeast Perimeter	11:24	13:24	120	10	1200	0		0	0	0	.0043	<.0043
T13 IWA	East Perimeter	11:27	13:27	120	10	1200	0		0	0	0	.0043	<.0043
T14 IWA	East Perimeter	11:27	13:27	120	10	1200	0		0	0	0	.0043	<.0043
T15 IWA	Southeast Perimeter	11:31	13:31	120	10	1200	0		0	0	0	.0043	<.0043
T16 IWA	Southeast Perimeter	11:31	13:31	120	10	1200	0		0	0	0	.0043	<.0043
T17	Blank						0		0	0	0		
T18	Opened Field Blank						0		0	0	0		

S=Asbestos structures, cc=cubic centimeters, mm=millimeters,  $\mu$ =micrometer  
<=less than, >greater than, Flow Rate in liters per minute

Analyzed by:  Date Analyzed: 8/6/2014

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Concentration on the filter is calculated by taking the number of asbestos structures and dividing by the area analyzed. Air concentration is calculated by multiplying the effective filter area (EFA) by the filter concentration and then dividing by the volume of air collected in cubic centimeters (cc).

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The samples collected in the response action area demonstrated a filter concentration of asbestos less than seventy structures per square millimeter. This response action is considered complete according to EPA 40 CFR 763.

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## TEM AIR SAMPLE RESULTS

CLIENT:	Town of Islip	SAMPLE DATE:	8/14/2014
PROJECT NAME:	Roberto Clemente Park	DATE RECEIVED:	8/14/2014
AREA:	Perimeter Monitoring	SAMPLE TYPE:	Ambient
JOB #:	11114	SAMPLER:	Robert Cardona
PAGE #:	1 of 2	CUSTODY #:	11681

Sample #	Sample Location	Start	End	Run Time Minutes	Flow Rate Average	Volume Liters	Total Asbestos Structures	Type	# of structures > 5 $\mu$	# of structures >0.5 $\mu$ <5 $\mu$	Filter Conc. S/mm <sup>2</sup>	Sensitivity S/cc	Air Conc. S/cc
T1 IWA	North Perimeter	9:50	11:50	120	10	1200	0		0	0	0	.0043	<.0043
T2 IWA	North Perimeter	9:50	11:50	120	10	1200	0		0	0	0	.0043	<.0043
T3 IWA	Northwest Perimeter	9:54	11:54	120	10	1200	0		0	0	0	.0043	<.0043
T4 IWA	Northwest Perimeter	9:54	11:54	120	10	1200	0		0	0	0	.0043	<.0043
T5 IWA	West Perimeter	9:59	11:59	120	10	1200	0		0	0	0	.0043	<.0043
T6 IWA	West Perimeter	9:59	11:59	120	10	1200	0		0	0	0	.0043	<.0043
T7 IWA	Southwest Perimeter	10:03	12:03	120	10	1200	0		0	0	0	.0043	<.0043
T8 IWA	Southwest Perimeter	10:03	12:03	120	10	1200	0		0	0	0	.0043	<.0043
T9 IWA	South Perimeter	12:15	14:15	120	10	1200	0		0	0	0	.0043	<.0043

S=Asbestos structures, cc=cubic centimeters, mm=millimeters,  $\mu$ =micrometer  
<=less than, >greater than, Flow Rate in liters per minute

Analyzed by: John F. Spillitto Date Analyzed: 8/14/2014

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CLIENT:	Town of Islip	SAMPLE DATE:	8/14/2014
PROJECT NAME:	Roberto Clemente Park	DATE RECEIVED:	8/14/2014
AREA:	Perimeter Monitoring	SAMPLE TYPE:	Ambient
JOB #:	11114	SAMPLER:	Robert Cardona
PAGE #:	2 of 2	CUSTODY #:	11681

Sample #	Sample Location	Start	End	Run Time Minutes	Flow Rate Average	Volume Liters	Total Asbestos Structures	Type	# of structures > 5 $\mu$	# of structures >0.5 $\mu$ <5 $\mu$	Filter Conc. S/mm <sup>2</sup>	Sensitivity S/cc	Air Conc. S/cc
T10 IWA	South Perimeter	12:15	14:15	120	10	1200	0		0	0	0	.0043	<.0043
T11 IWA	Northeast Perimeter	12:19	14:19	120	10	1200	0		0	0	0	.0043	<.0043
T12 IWA	Northeast Perimeter	12:19	14:19	120	10	1200	0		0	0	0	.0043	<.0043
T13 IWA	East Perimeter	12:23	14:23	120	10	1200	0		0	0	0	.0043	<.0043
T14 IWA	East Perimeter	12:23	14:23	120	10	1200	0		0	0	0	.0043	<.0043
T15 IWA	Southeast Perimeter	12:28	14:28	120	10	1200	0		0	0	0	.0043	<.0043
T16 IWA	Southeast Perimeter	12:28	14:28	120	10	1200	0		0	0	0	.0043	<.0043
T17	Sealed Blank						0		0	0	0		
T18	Field Blank						0		0	0	0		

S=Asbestos structures, cc=cubic centimeters, mm=millimeters,  $\mu$ =micrometer  
<=less than, >greater than, Flow Rate in liters per minute

Analyzed by: John F. Spillitto Date Analyzed: 8/14/2014

Samples were analyzed using Philips 400T Transmission Electron Microscope. Asbestos identification is determined by morphology, visual Selected Area Electron Diffraction (SAED), and Elemental Analysis using an Energy Dispersive X-ray Analyzer (EDAX).

Concentration on the filter is calculated by taking the number of asbestos structures and dividing by the area analyzed. Air concentration is calculated by multiplying the effective filter area (EFA) by the filter concentration and then dividing by the volume of air collected in cubic centimeters (cc).

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The samples collected in the response action area demonstrated a filter concentration of asbestos less than seventy structures per square millimeter. This response action is considered complete according to EPA 40 CFR 763.

A result of zero structures per square millimeter is only applicable to the area analyzed. Test results only reflect conditions at the time the samples were taken.

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PROJECT NAME:	Roberto Clemente Park	DATE RECEIVED:	8/20/2014
AREA:	Perimeter Monitoring	SAMPLE TYPE:	Ambient
JOB #:	11114	SAMPLER:	Robert Cardona
PAGE #:	1 of 2	CUSTODY #:	11755

Sample #	Sample Location	Start	End	Run Time Minutes	Flow Rate Average	Volume Liters	Total Asbestos Structures	Type	# of structures > 5 $\mu$	# of structures >0.5 $\mu$ <5 $\mu$	Filter Conc. S/mm <sup>2</sup>	Sensitivity S/cc	Air Conc. S/cc
T1 IWA	North Perimeter	9:15	11:15	120	10	1200	0		0	0	0	.0043	<.0043
T2 IWA	North Perimeter	9:15	11:15	120	10	1200	0		0	0	0	.0043	<.0043
T3 IWA	Northwest Perimeter	9:18	11:18	120	10	1200	0		0	0	0	.0043	<.0043
T4 IWA	Northwest Perimeter	9:18	11:18	120	10	1200	0		0	0	0	.0043	<.0043
T5 IWA	West Perimeter	9:22	11:22	120	10	1200	0		0	0	0	.0043	<.0043
T6 IWA	West Perimeter	9:22	11:22	120	10	1200	0		0	0	0	.0043	<.0043
T7 IWA	Southwest Perimeter	9:25	11:25	120	10	1200	0		0	0	0	.0043	<.0043
T8 IWA	Southwest Perimeter	9:25	11:25	120	10	1200	0		0	0	0	.0043	<.0043
T9 IWA	South Perimeter	12:00	14:00	120	10	1200	0		0	0	0	.0043	<.0043

S=Asbestos structures, cc=cubic centimeters, mm=millimeters,  $\mu$ =micrometer  
<=less than, >greater than, Flow Rate in liters per minute

Analyzed by: 

Date Analyzed: 8/21/2014

Samples were analyzed using Philips 400T Transmission Electron Microscope. Asbestos identification is determined by morphology, visual Selected Area Electron Diffraction (SAED), and Elemental Analysis using an Energy Dispersive X-ray Analyzer (EDAX).

Concentration on the filter is calculated by taking the number of asbestos structures and dividing by the area analyzed. Air concentration is calculated by multiplying the effective filter area (EFA) by the filter concentration and then dividing by the volume of air collected in cubic centimeters (cc).

The data pertaining to these calculations can be found on the Asbestos Count Sheet.

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A result of zero structures per square millimeter is only applicable to the area analyzed. Test results only reflect conditions at the time the samples were taken.

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PROJECT NAME:	Roberto Clemente Park	DATE RECEIVED:	8/20/2014
AREA:	Perimeter Monitoring	SAMPLE TYPE:	Ambient
JOB #:	11114	SAMPLER:	Robert Cardona
PAGE #:	2 of 2	CUSTODY #:	11755

Sample #	Sample Location	Start	End	Run Time Minutes	Flow Rate Average	Volume Liters	Total Asbestos Structures	Type	# of structures > 5 $\mu$	# of structures >0.5 $\mu$ <5 $\mu$	Filter Conc. S/mm <sup>2</sup>	Sensitivity S/cc	Air Conc. S/cc
T10 IWA	South Perimeter	12:00	14:00	120	10	1200	0		0	0	0	.0043	<.0043
T11 IWA	Northeast Perimeter	12:03	14:03	120	10	1200	0		0	0	0	.0043	<.0043
T12 IWA	Northeast Perimeter	12:03	14:03	120	10	1200	0		0	0	0	.0043	<.0043
T13 IWA	East Perimeter	12:06	14:06	120	10	1200	0		0	0	0	.0043	<.0043
T14 IWA	East Perimeter	12:06	14:06	120	10	1200	0		0	0	0	.0043	<.0043
T15 IWA	Southeast Perimeter	12:10	14:10	120	10	1200	0		0	0	0	.0043	<.0043
T16 IWA	Southeast Perimeter	12:10	14:10	120	10	1200	0		0	0	0	.0043	<.0043
T17	Field Blank						0		0	0	0		
T18	Sealed Blank						0		0	0	0		

S=Asbestos structures, cc=cubic centimeters, mm=millimeters,  $\mu$ =micrometer  
<=less than, >greater than, Flow Rate in liters per minute

Analyzed by:



Date Analyzed: 8/21/2014

Samples were analyzed using Philips 400T Transmission Electron Microscope. Asbestos identification is determined by morphology, visual Selected Area Electron Diffraction (SAED), and Elemental Analysis using an Energy Dispersive X-ray Analyzer (EDAX).

Concentration on the filter is calculated by taking the number of asbestos structures and dividing by the area analyzed. Air concentration is calculated by multiplying the effective filter area (EFA) by the filter concentration and then dividing by the volume of air collected in cubic centimeters (cc).

The data pertaining to these calculations can be found on the Asbestos Count Sheet.

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The samples collected in the response action area demonstrated a filter concentration of asbestos less than seventy structures per square millimeter. This response action is considered complete according to EPA 40 CFR 763.

A result of zero structures per square millimeter is only applicable to the area analyzed. Test results only reflect conditions at the time the samples were taken.

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PROJECT NAME:	Roberto Clemente Park	DATE RECEIVED:	8/27/2014
AREA:	Perimeter Monitoring	SAMPLE TYPE:	Ambient
JOB #:	11114	SAMPLER:	Edik Ivans
PAGE #:	1 of 2	CUSTODY #:	11815

Sample #	Sample Location	Start	End	Run Time Minutes	Flow Rate Average	Volume Liters	Total Asbestos Structures	Type	# of structures > 5μ	# of structures >0.5μ <5μ	Filter Conc. S/mm <sup>2</sup>	Sensitivity S/cc	Air Conc. S/cc
T1 IWA	North Perimeter	9:05	11:05	120	10	1200	0		0	0	0	.0043	<.0043
T2 IWA	North Perimeter	9:05	11:05	120	10	1200	0		0	0	0	.0043	<.0043
T3 IWA	Northeast Perimeter	9:08	11:08	120	10	1200	0		0	0	0	.0043	<.0043
T4 IWA	Northeast Perimeter	9:08	11:08	120	10	1200	0		0	0	0	.0043	<.0043
T5 IWA	East Perimeter	9:12	11:12	120	10	1200	0		0	0	0	.0043	<.0043
T6 IWA	East Perimeter	9:12	11:12	120	10	1200	0		0	0	0	.0043	<.0043
T7 IWA	Southeast Perimeter	9:15	11:15	120	10	1200	0		0	0	0	.0043	<.0043
T8 IWA	Southeast Perimeter	9:15	11:15	120	10	1200	0		0	0	0	.0043	<.0043
T9 IWA	Northwest Perimeter	11:25	13:25	120	10	1200	0		0	0	0	.0043	<.0043

S=Asbestos structures, cc=cubic centimeters, mm=millimeters, μ=micrometer  
<=less than, >greater than, Flow Rate in liters per minute

Analyzed by:

Date Analyzed: 8/28/2014

Samples were analyzed using Philips 400T Transmission Electron Microscope. Asbestos identification is determined by morphology, visual Selected Area Electron Diffraction (SAED), and Elemental Analysis using an Energy Dispersive X-ray Analyzer (EDAX).

Concentration on the filter is calculated by taking the number of asbestos structures and dividing by the area analyzed. Air concentration is calculated by multiplying the effective filter area (EFA) by the filter concentration and then dividing by the volume of air collected in cubic centimeters (cc).

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PROJECT NAME:	Roberto Clemente Park	DATE RECEIVED:	8/27/2014
AREA:	Perimeter Monitoring	SAMPLE TYPE:	Ambient
JOB #:	11114	SAMPLER:	Edik Ivans
PAGE #:	2 of 2	CUSTODY #:	11815

Sample #	Sample Location	Start	End	Run Time Minutes	Flow Rate Average	Volume Liters	Total Asbestos Structures	Type	# of structures > 5μ	# of structures >0.5μ <5μ	Filter Conc. S/mm <sup>2</sup>	Sensitivity S/cc	Air Conc. S/cc
T10 IWA	Northwest Perimeter	11:25	13:25	120	10	1200	0		0	0	0	.0043	<.0043
T11 IWA	West Perimeter	11:28	13:28	120	10	1200	0		0	0	0	.0043	<.0043
T12 IWA	West Perimeter	11:28	13:28	120	10	1200	0		0	0	0	.0043	<.0043
T13 IWA	Southwest Perimeter	11:33	13:33	120	10	1200	0		0	0	0	.0043	<.0043
T14 IWA	Southwest Perimeter	11:33	13:33	120	10	1200	0		0	0	0	.0043	<.0043
T15 IWA	South Perimeter	11:37	13:37	120	10	1200	0		0	0	0	.0043	<.0043
T16 IWA	South Perimeter	11:37	13:37	120	10	1200	0		0	0	0	.0043	<.0043
T17	Sealed Blank						0		0	0	0		
T18	Opened Field Blank						0		0	0	0		

S=Asbestos structures, cc=cubic centimeters, mm=millimeters, μ=micrometer  
<=less than, >greater than, Flow Rate in liters per minute

Analyzed by:

Date Analyzed: 8/28/2014

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