

# ENVIROSCIENCE CONSULTANTS, INC.

2150 SMITHTOWN AVENUE, SUITE 3  
RONKONKOMA, NEW YORK 11779-7348

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## PRINCIPALS

J. DRISCOLL  
B. GALLAGHER  
T. KLUENDER  
G. NEUSCHWENDER

E. DETWEILER  
E. IVANS  
R. KLUENDER  
G. MENEGIO  
J. SPILLEY

January 8, 2015

Town of Islip Parks & Recreation  
Ms. Inez Birbiglia  
50 Irish Lane  
East Islip, NY 11730

RE: Roberto Clemente Park

Dear Ms. Birbiglia,

Attached please find the results for the asbestos air sampling that was conducted in the Roberto Clemente Park, located at 400 Broadway in Brentwood, NY. There were five sample dates in December. Please feel free to call me with any questions.

Sincerely,



Glenn Neuschwender  
President

ENVIRONMENTAL & INDUSTRIAL HYGIENE CONSULTANTS  
WWW.ENVIROHEALTH.ORG

# ENVIROSCIENCE CONSULTANTS, INC.

2150 SMITHTOWN AVE. + RONKONKOMA, NY 11779  
+ PHONE (631) 580-3191 + FAX (631) 580-3195


ELAP # 11681; NVLAP Lab Code 200531-0

## TEM AIR SAMPLE RESULTS

CLIENT:	Town of Islip	SAMPLE DATE:	12/3/2014
PROJECT NAME:	Roberto Clemente Park	DATE RECEIVED:	12/3/2014
AREA:	Perimeter Monitoring	SAMPLE TYPE:	Ambient
JOB #:	11114	SAMPLER:	Edik Ivans
PAGE #:	1 of 2	CUSTODY #:	12401

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	9:12	11:12	120	10	1200	0		0	0	0	.0043	<.0043
T2 IWA	North Perimeter	9:12	11:12	120	10	1200	0		0	0	0	.0043	<.0043
T3 IWA	Northeast Perimeter	9:15	11:15	120	10	1200	0		0	0	0	.0043	<.0043
T4 IWA	Northeast Perimeter	9:15	11:15	120	10	1200	0		0	0	0	.0043	<.0043
T5 IWA	East Perimeter	9:19	11:19	120	10	1200	0		0	0	0	.0043	<.0043
T6 IWA	East Perimeter	9:19	11:19	120	10	1200	0		0	0	0	.0043	<.0043
T7 IWA	Southeast Perimeter	9:22	11:22	120	10	1200	0		0	0	0	.0043	<.0043
T8 IWA	Southeast Perimeter	9:22	11:22	120	10	1200	0		0	0	0	.0043	<.0043
T9 IWA	Northwest Perimeter	12:05	14:05	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: 12/5/2014

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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ELAP # 11681; NVLAP Lab Code 200531-0

## TEM AIR SAMPLE RESULTS

CLIENT:	Town of Islip	SAMPLE DATE:	12/3/2014
PROJECT NAME:	Roberto Clemente Park	DATE RECEIVED:	12/3/2014
AREA:	Perimeter Monitoring	SAMPLE TYPE:	Ambient
JOB #:	11114	SAMPLER:	Edik Ivans
PAGE #:	2 of 2	CUSTODY #:	12401

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	12:05	14:05	120	10	1200	0		0	0	0	.0043	<.0043
T11 IWA	West Perimeter	12:08	14:08	120	10	1200	0		0	0	0	.0043	<.0043
T12 IWA	West Perimeter	12:08	14:08	120	10	1200	0		0	0	0	.0043	<.0043
T13 IWA	Southwest Perimeter	12:12	14:12	120	10	1200	0		0	0	0	.0043	<.0043
T14 IWA	Southwest Perimeter	12:12	14:12	120	10	1200	0		0	0	0	.0043	<.0043
T15 IWA	South Perimeter	12:14	14:14	120	10	1200	0		0	0	0	.0043	<.0043
T16 IWA	South Perimeter	12:14	14:14	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: 12/5/2014

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## TEM AIR SAMPLE RESULTS

CLIENT:	Town of Islip	SAMPLE DATE:	12/11/2014
PROJECT NAME:	Roberto Clemente Park	DATE RECEIVED:	12/11/2014
AREA:	Perimeter Monitoring	SAMPLE TYPE:	Ambient
JOB #:	11114	SAMPLER:	Edik Ivans
PAGE #:	1 of 2	CUSTODY #:	12466

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	9:28	11:28	120	10	1200	0		0	0	0	.0043	<.0043
T2 IWA	North Perimeter	9:28	11:28	120	10	1200	0		0	0	0	.0043	<.0043
T3 IWA	Northeast Perimeter	9:32	11:32	120	10	1200	0		0	0	0	.0043	<.0043
T4 IWA	Northeast Perimeter	9:32	11:32	120	10	1200	0		0	0	0	.0043	<.0043
T5 IWA	East Perimeter	9:35	11:35	120	10	1200	0		0	0	0	.0043	<.0043
T6 IWA	East Perimeter	9:35	11:35	120	10	1200	0		0	0	0	.0043	<.0043
T7 IWA	Southeast Perimeter	9:38	11:38	120	10	1200	0		0	0	0	.0043	<.0043
T8 IWA	Southeast Perimeter	9:38	11:38	120	10	1200	0		0	0	0	.0043	<.0043
T9 IWA	Northwest Perimeter	12:05	14:05	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: 12/17/2014

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.

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PROJECT NAME:	Roberto Clemente Park	DATE RECEIVED:	12/11/2014
AREA:	Perimeter Monitoring	SAMPLE TYPE:	Ambient
JOB #:	11114	SAMPLER:	Edik Ivans
PAGE #:	2 of 2	CUSTODY #:	12466

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	12:05	14:05	120	10	1200	0		0	0	0	.0043	<.0043
T11 IWA	West Perimeter	12:08	14:08	120	10	1200	0		0	0	0	.0043	<.0043
T12 IWA	West Perimeter	12:08	14:08	120	10	1200	0		0	0	0	.0043	<.0043
T13 IWA	Southwest Perimeter	12:11	14:11	120	10	1200	0		0	0	0	.0043	<.0043
T14 IWA	Southwest Perimeter	12:11	14:11	120	10	1200	0		0	0	0	.0043	<.0043
T15 IWA	South Perimeter	12:14	14:14	120	10	1200	0		0	0	0	.0043	<.0043
T16 IWA	South Perimeter	12:14	14:14	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: 12/17/2014

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CLIENT:	Town of Islip	SAMPLE DATE:	12/17/2014
PROJECT NAME:	Roberto Clemente Park	DATE RECEIVED:	12/17/2014
AREA:	Perimeter Monitoring	SAMPLE TYPE:	Ambient
JOB #:	11114	SAMPLER:	Edik Ivans
PAGE #:	1 of 2	CUSTODY #:	12517

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	9:28	11:28	120	10	1200	0		0	0	0	.0043	<.0043
T2 IWA	North Perimeter	9:28	11:28	120	10	1200	0		0	0	0	.0043	<.0043
T3 IWA	Northeast Perimeter	9:32	11:32	120	10	1200	0		0	0	0	.0043	<.0043
T4 IWA	Northeast Perimeter	9:32	11:32	120	10	1200	0		0	0	0	.0043	<.0043
T5 IWA	East Perimeter	9:35	11:35	120	10	1200	0		0	0	0	.0043	<.0043
T6 IWA	East Perimeter	9:35	11:35	120	10	1200	0		0	0	0	.0043	<.0043
T7 IWA	Southeast Perimeter	9:38	11:38	120	10	1200	0		0	0	0	.0043	<.0043
T8 IWA	Southeast Perimeter	9:38	11:38	120	10	1200	0		0	0	0	.0043	<.0043
T9 IWA	Northwest Perimeter	12:05	14:05	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: 12/31/2014

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.  
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CLIENT:	Town of Islip	SAMPLE DATE:	12/17/2014
PROJECT NAME:	Roberto Clemente Park	DATE RECEIVED:	12/17/2014
AREA:	Perimeter Monitoring	SAMPLE TYPE:	Ambient
JOB #:	11114	SAMPLER:	Edik Ivans
PAGE #:	2 of 2	CUSTODY #:	12517

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	12:05	14:05	120	10	1200	0		0	0	0	.0043	<.0043
T11 IWA	West Perimeter	12:08	14:08	120	10	1200	0		0	0	0	.0043	<.0043
T12 IWA	West Perimeter	12:08	14:08	120	10	1200	0		0	0	0	.0043	<.0043
T13 IWA	Southwest Perimeter	12:11	14:11	120	10	1200	0		0	0	0	.0043	<.0043
T14 IWA	Southwest Perimeter	12:11	14:11	120	10	1200	0		0	0	0	.0043	<.0043
T15 IWA	South Perimeter	12:14	14:14	120	10	1200	0		0	0	0	.0043	<.0043
T16 IWA	South Perimeter	12:14	14:14	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: 12/31/2014

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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## TEM AIR SAMPLE RESULTS

CLIENT:	Town of Islip	SAMPLE DATE:	12/27/2014
PROJECT NAME:	Roberto Clemente Park	DATE RECEIVED:	12/29/2014
AREA:	Perimeter Monitoring	SAMPLE TYPE:	Ambient
JOB #:	11114	SAMPLER:	Jonathan Barone
PAGE #:	1 of 2	CUSTODY #:	12575

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
1 IWA	North perimeter	9:00	11:00	120	10	1200	0		0	0	0	.0043	<.0043
2 IWA	North perimeter	9:01	11:01	120	10	1200	0		0	0	0	.0043	<.0043
3 IWA	Northeast perimeter	9:05	11:05	120	10	1200	0		0	0	0	.0043	<.0043
4 IWA	Northeast perimeter	9:06	11:06	120	10	1200	0		0	0	0	.0043	<.0043
5 IWA	East perimeter	9:15	11:15	120	10	1200	0		0	0	0	.0043	<.0043
6 IWA	East perimeter	9:16	11:16	120	10	1200	0		0	0	0	.0043	<.0043
7 IWA	Southeast perimeter	9:20	11:20	120	10	1200	0		0	0	0	.0043	<.0043
8 IWA	Southeast perimeter	9:21	11:21	120	10	1200	0		0	0	0	.0043	<.0043
9 IWA	Northwest perimeter	11:15	13:15	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: 1/2/2015

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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CLIENT:	Town of Islip	SAMPLE DATE:	12/27/2014
PROJECT NAME:	Roberto Clemente Park	DATE RECEIVED:	12/29/2014
AREA:	Perimeter Monitoring	SAMPLE TYPE:	Ambient
JOB #:	11114	SAMPLER:	Jonathan Barone
PAGE #:	2 of 2	CUSTODY #:	12575

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
10 IW/A	Northwest perimeter	11:16	13:16	120	10	1200	0		0	0	0	.0043	<.0043
11 IW/A	West perimeter	11:20	13:20	120	10	1200	0		0	0	0	.0043	<.0043
12 IW/A	West perimeter	11:21	13:21	120	10	1200	0		0	0	0	.0043	<.0043
13 IW/A	Southwest perimeter	11:25	13:25	120	10	1200	0		0	0	0	.0043	<.0043
14 IW/A	Southwest perimeter	11:26	13:26	120	10	1200	0		0	0	0	.0043	<.0043
15 IW/A	South perimeter	11:30	13:30	120	10	1200	0		0	0	0	.0043	<.0043
16 IW/A	South perimeter	11:31	13:31	120	10	1200	0		0	0	0	.0043	<.0043
17	Blank inside						0		0	0	0		
18	Blank sealed						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: 1/2/2015

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## TEM AIR SAMPLE RESULTS

CLIENT:	Town of Islip	SAMPLE DATE:	12/31/2014
PROJECT NAME:	Roberto Clemente Park	DATE RECEIVED:	12/31/2014
AREA:	Perimeter Monitoring	SAMPLE TYPE:	Ambient
JOB #:	11114	SAMPLER:	Jonathan Barone
PAGE #:	1 of 2	CUSTODY #:	12599

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
1 IWA	North	8:45	10:45	120	10	1200	0		0	0	0	.0043	<.0043
2 IWA	North	8:46	10:46	120	10	1200	0		0	0	0	.0043	<.0043
3 IWA	Northeast	8:47	10:47	120	10	1200	0		0	0	0	.0043	<.0043
4 IWA	Northeast	8:48	10:48	120	10	1200	0		0	0	0	.0043	<.0043
5 IWA	East	8:49	10:49	120	10	1200	0		0	0	0	.0043	<.0043
6 IWA	East	8:50	10:50	120	10	1200	0		0	0	0	.0043	<.0043
7 IWA	Southeast	8:51	10:51	120	10	1200	0		0	0	0	.0043	<.0043
8 IWA	Southeast	8:52	10:52	120	10	1200	0		0	0	0	.0043	<.0043
9 IWA	Northwest	11:00	13:00	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: 1/6/2015

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 filter 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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ELAP # 11681; NVLAP Lab Code 200531-0

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10 IW/A	Northwest	11:01	13:01	120	10	1200	0		0	0	0	.0043	<.0043
11 IW/A	West	11:02	13:02	120	10	1200	0		0	0	0	.0043	<.0043
12 IW/A	West	11:03	13:03	120	10	1200	0		0	0	0	.0043	<.0043
13 IW/A	Southwest	11:04	13:04	120	10	1200	0		0	0	0	.0043	<.0043
14 IW/A	Southwest	11:05	13:05	120	10	1200	0		0	0	0	.0043	<.0043
15 IW/A	South	11:06	13:06	120	10	1200	0		0	0	0	.0043	<.0043
16 IW/A	South	11:07	13:07	120	10	1200	0		0	0	0	.0043	<.0043
17	Blank inside						0		0	0	0		
18	Blank sealed						0		0	0	0		

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