

# ENVIROSCIENCE CONSULTANTS, INC.

2150 SMITHTOWN AVENUE, SUITE 3

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## PRINCIPALS

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

May 5, 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 April. 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:	4/1/2015
PROJECT NAME:	Roberto Clemente Park	DATE RECEIVED:	4/1/2015
AREA:	Perimeter Monitoring	SAMPLE TYPE:	Ambient
JOB #:	11114	SAMPLER:	Edik Ivans
PAGE #:	1 of 2	CUSTODY #:	13124

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	North Perimeter	9:20	11:20	120	10	1200	0		0	0	0	.0043	<.0043
T2	North Perimeter	9:20	11:20	120	10	1200	0		0	0	0	.0043	<.0043
T3	Northeast Perimeter	9:23	11:23	120	10	1200	0		0	0	0	.0043	<.0043
T4	Northeast Perimeter	9:23	11:23	120	10	1200	0		0	0	0	.0043	<.0043
T5	East Perimeter	9:27	11:27	120	10	1200	0		0	0	0	.0043	<.0043
T6	East Perimeter	9:27	11:27	120	10	1200	0		0	0	0	.0043	<.0043
T7	Southeast Perimeter	9:31	11:31	120	10	1200	0		0	0	0	.0043	<.0043
T8	Southeast Perimeter	9:31	11:31	120	10	1200	0		0	0	0	.0043	<.0043
T9	Northwest Perimeter	11:35	13:35	120	10	1200	0		0	0	0	.0043	<.0043

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

Analyzed by: 

Date Analyzed: 4/7/2015

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 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:	4/1/2015
AREA:	Perimeter Monitoring	SAMPLE TYPE:	Ambient
JOB #:	11114	SAMPLER:	Edik Ivans
PAGE #:	2 of 2	CUSTODY #:	13124

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	Northwest Perimeter	11:35	13:35	120	10	1200	0		0	0	0	.0043	<.0043
T11	West Perimeter	11:38	13:38	120	10	1200	0		0	0	0	.0043	<.0043
T12	West Perimeter	11:38	13:38	120	10	1200	0		0	0	0	.0043	<.0043
T13	Southwest Perimeter	11:42	13:42	120	10	1200	0		0	0	0	.0043	<.0043
T14	Southwest Perimeter	11:42	13:42	120	10	1200	0		0	0	0	.0043	<.0043
T15	South Perimeter	11:45	13:45	120	10	1200	0		0	0	0	.0043	<.0043
T16	South Perimeter	11:45	13:45	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: 4/7/2015

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## TEM AIR SAMPLE RESULTS

CLIENT:	Town of Islip	SAMPLE DATE:	4/8/2015
PROJECT NAME:	Roberto Clemente Park	DATE RECEIVED:	4/8/2015
AREA:	Perimeter Monitoring	SAMPLE TYPE:	Ambient
JOB #:	11114	SAMPLER:	Edik Ivans
PAGE #:	1 of 2	CUSTODY #:	13225

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	North Perimeter	9:35	11:35	120	10	1200	0		0	0	0	.0043	<.0043
T2	North Perimeter	9:35	11:35	120	10	1200	0		0	0	0	.0043	<.0043
T3	Northeast Perimeter	9:38	11:38	120	10	1200	0		0	0	0	.0043	<.0043
T4	Northeast Perimeter	9:38	11:38	120	10	1200	0		0	0	0	.0043	<.0043
T5	East Perimeter	9:42	11:42	120	10	1200	0		0	0	0	.0043	<.0043
T6	East Perimeter	9:42	11:42	120	10	1200	0		0	0	0	.0043	<.0043
T7	Southeast Perimeter	9:45	11:45	120	10	1200	0		0	0	0	.0043	<.0043
T8	Southeast Perimeter	9:45	11:45	120	10	1200	0		0	0	0	.0043	<.0043
T9	Northwest Perimeter	11:55	13:55	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: 4/13/2015

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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AREA:	Perimeter Monitoring	SAMPLE TYPE:	Ambient
JOB #:	11114	SAMPLER:	Edik Ivans
PAGE #:	2 of 2	CUSTODY #:	13225

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	Northwest Perimeter	11:55	13:55	120	10	1200	0		0	0	0	.0043	<.0043
T11	West Perimeter	11:58	13:58	120	10	1200	0		0	0	0	.0043	<.0043
T12	West Perimeter	11:58	13:58	120	10	1200	0		0	0	0	.0043	<.0043
T13	Southwest Perimeter	12:02	14:02	120	10	1200	0		0	0	0	.0043	<.0043
T14	Southwest Perimeter	12:02	14:02	120	10	1200	0		0	0	0	.0043	<.0043
T15	South Perimeter	12:05	14:05	120	10	1200	0		0	0	0	.0043	<.0043
T16	South Perimeter	12:05	14:05	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: 4/13/2015

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## **TEM AIR SAMPLE RESULTS**

CLIENT:	Town of Islip	SAMPLE DATE:	4/16/2015
PROJECT NAME:	Roberto Clemente Park	DATE RECEIVED:	4/16/2015
AREA:	Perimeter Monitoring	SAMPLE TYPE:	Ambient
JOB #:	11114	SAMPLER:	R. Klunder/P. Africano
PAGE #:	1 of 2	CUSTODY #:	13311

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	At park southeast	9:30	11:30	120	10	1200	0		0	0	0	.0043	<.0043
2	At park southeast	9:30	11:30	120	10	1200	0		0	0	0	.0043	<.0043
3	North	9:33	11:33	120	10	1200	0		0	0	0	.0043	<.0043
4	North	9:33	11:33	120	10	1200	0		0	0	0	.0043	<.0043
5	Southwest	9:35	11:35	120	10	1200	0		0	0	0	.0043	<.0043
6	Southwest	9:35	11:35	120	10	1200	0		0	0	0	.0043	<.0043
7	Northwest	9:37	11:37	120	10	1200	0		0	0	0	.0043	<.0043
8	Northwest	9:37	11:37	120	10	1200	0		0	0	0	.0043	<.0043
9	Southeast	11:30	13:30	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: 4/20/2015

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).  
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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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CLIENT:	Town of Islip	SAMPLE DATE:	4/16/2015
PROJECT NAME:	Roberto Clemente Park	DATE RECEIVED:	4/16/2015
AREA:	Perimeter Monitoring	SAMPLE TYPE:	Ambient
JOB #:	11114	SAMPLER:	R. Klunder/P. Africano
PAGE #:	2 of 2	CUSTODY #:	13311

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	Southeast	11:30	13:30	120	10	1200	0		0	0	0	.0043	<.0043
11	North	11:33	13:33	120	10	1200	0		0	0	0	.0043	<.0043
12	North	11:33	13:33	120	10	1200	0		0	0	0	.0043	<.0043
13	Southwest	11:35	13:35	120	10	1200	0		0	0	0	.0043	<.0043
14	Southwest	11:35	13:35	120	10	1200	0		0	0	0	.0043	<.0043
15	Northwest	11:37	13:37	120	10	1200	0		0	0	0	.0043	<.0043
16	Northwest	11:37	13:37	120	10	1200	0		0	0	0	.0043	<.0043
17	Blank						0		0	0	0		
18	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: 4/20/2015

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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## TEM AIR SAMPLE RESULTS

CLIENT:	Town of Islip	SAMPLE DATE:	4/23/2015
PROJECT NAME:	Roberto Clemente Park	DATE RECEIVED:	4/23/2015
AREA:	Perimeter Monitoring	SAMPLE TYPE:	Ambient
JOB #:	11114	SAMPLER:	R. Klunder / J. Barone
PAGE #:	1 of 2	CUSTODY #:	13362

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	North by fill	8:30	10:30	120	10	1200	0		0	0	0	.0043	<.0043
2	North by fill	8:30	10:30	120	10	1200	0		0	0	0	.0043	<.0043
3	Southwest	8:32	10:32	120	10	1200	0		0	0	0	.0043	<.0043
4	Southwest	8:32	10:32	120	10	1200	0		0	0	0	.0043	<.0043
5	Northeast	8:34	10:34	120	10	1200	0		0	0	0	.0043	<.0043
6	Northeast	8:34	10:34	120	10	1200	0		0	0	0	.0043	<.0043
7	Southeast	8:36	10:36	120	10	1200	0		0	0	0	.0043	<.0043
8	Southeast	8:36	10:36	120	10	1200	0		0	0	0	.0043	<.0043
9	North by fill	10:30	12:30	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: 4/28/2015

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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## TEM AIR SAMPLE RESULTS

CLIENT:	Town of Islip	SAMPLE DATE:	4/23/2015
PROJECT NAME:	Roberto Clemente Park	DATE RECEIVED:	4/23/2015
AREA:	Perimeter Monitoring	SAMPLE TYPE:	Ambient
JOB #:	11114	SAMPLER:	R. Klunder / J. Barone
PAGE #:	2 of 2	CUSTODY #:	13362

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	North by fill	10:30	12:30	120	10	1200	0		0	0	0	.0043	<.0043
11	Southwest	10:32	12:32	120	10	1200	0		0	0	0	.0043	<.0043
12	Southwest	10:32	12:32	120	10	1200	0		0	0	0	.0043	<.0043
13	Northeast	10:34	12:34	120	10	1200	0		0	0	0	.0043	<.0043
14	Northeast	10:34	12:34	120	10	1200	0		0	0	0	.0043	<.0043
15	Southeast	10:36	12:36	120	10	1200	0		0	0	0	.0043	<.0043
16	Southeast	10:36	12:36	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: 4/28/2015

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ELAP # 11681; NVLAP Lab Code 200531-0

## TEM AIR SAMPLE RESULTS

CLIENT:	Town of Islip	SAMPLE DATE:	4/29/2015
PROJECT NAME:	Roberto Clemente Park	DATE RECEIVED:	4/30/2015
AREA:	Perimeter Monitoring	SAMPLE TYPE:	Ambient
JOB #:	11114	SAMPLER:	R. Klunder / J. Barone
PAGE #:	1 of 2	CUSTODY #:	13388

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	Northwest	8:30	10:30	120	10	1200	0		0	0	0	.0043	<.0043
2	Northwest	8:30	10:30	120	10	1200	0		0	0	0	.0043	<.0043
3	Southwest	8:32	10:32	120	10	1200	0		0	0	0	.0043	<.0043
4	Southwest	8:32	10:32	120	10	1200	0		0	0	0	.0043	<.0043
5	Northeast	8:34	10:34	120	10	1200	0		0	0	0	.0043	<.0043
6	Northeast	8:34	10:34	120	10	1200	0		0	0	0	.0043	<.0043
7	Southeast	8:36	10:36	120	10	1200	0		0	0	0	.0043	<.0043
8	Southeast	8:36	10:36	120	10	1200	0		0	0	0	.0043	<.0043
9	Northwest	10:30	12:30	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: 5/1/2015

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 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:	4/29/2015
PROJECT NAME:	Roberto Clemente Park	DATE RECEIVED:	4/30/2015
AREA:	Perimeter Monitoring	SAMPLE TYPE:	Ambient
JOB #:	11114	SAMPLER:	R. Klunder / J. Barone
PAGE #:	2 of 2	CUSTODY #:	13388

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	Northwest	10:30	12:30	120	10	1200	0		0	0	0	.0043	<.0043
11	Southeast	10:32	12:32	120	10	1200	0		0	0	0	.0043	<.0043
12	Southeast	10:32	12:32	120	10	1200	0		0	0	0	.0043	<.0043
13	Northeast	10:34	12:34	120	10	1200	0		0	0	0	.0043	<.0043
14	Northeast	10:34	12:34	120	10	1200	0		0	0	0	.0043	<.0043
15	Southeast	10:36	12:36	120	10	1200	0		0	0	0	.0043	<.0043
16	Southeast	10:36	12:36	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: 5/1/2015

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).  
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