

ATTACHMENT

IAQ FIELD DATA COLLECTION FORMS

ATC ASSOCIATES, INC.
INDOOR AIR QUALITY FIELD REPORT

LOCATION : STUYVESANT HIGH SCHOOL DATE 1/16/02 PROJECT NO. 15-19125-0246

RESPIRABLE PARTICULATES ($\mu\text{g} / \text{m}^3$)
In Rooms with portable HEPA air Purifier

Time /Location	Room 740	Room 638	Room 333	Room 327
8:05	OFF 11	OFF 9	OFF 7	5
9:00	9	7	9	10
10:10	15	6	11	12
11:02	10	10	7	10
12:10	8	12	9	13
13:00	↓ 10	↓ 11	↓ 11	7

CITY_21MC100_003045013

ATC ASSOCIATES, INC.
INDOOR AIR QUALITY FIELD REPORT

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TIME 8:00

LOCATION M477.

DATE 1/16/02

PROJECT NO. 19125-246

Location	Occup.	Temperature (°F)	Relative Humidity (%)	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	Respirable Particulates (ug/m ³)	TVOCs (ppm)
Outside	—	44.2	19.5	423	0	13	0
736	14	72.8	21.7	780	0	6	0
737 (Hall)	—	72.7	22.3	690	0	6	0
738	19	73.0	22.3 25.0	690 1050	0	6	0
739	30	72.7	25.0	930	0	10	0
740	16	71.7	21.8	795	0	11	0
638 (WIN #4 OPEN)	28	74.1	19.6	650	0	9	0
636 (Hall)		73.7	19.9	615	0	8	0
639	26	73.5	21.7	804	0	9	0
640	24	73.4	20.5	795	0	9	0
Guideline levels ASHRAE/AIHA/EPA		68 -75°F/winter 73 -79°F/summer	30-60%	Outdoor level + 700 ppm	9 ppm	65 ug/m ³ 24-hour average	1 ppm

Comments: _____

The assessed location(s) () Does () Does not meet established indoor air quality guidelines.

Signature: Jiri Clay Date: 1/16/02

CITY_21MC100_003045014

ATC ASSOCIATES, INC.
INDOOR AIR QUALITY FIELD REPORT

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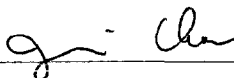
TIME 8:30

LOCATION M477 DATE 1/16/02 PROJECT NO. _____

Location	Occup.	Temperature (°F)	Relative Humidity (%)	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	Respirable Particulates(ug/m ³)	TVOCs (ppm)
429	31	72.6	22.0	1099	0	21	0
431	27	73.2	21.3	996	0	10	0
433	34	74.0	20.2	777	0	10	0
435	27	73.3	21.1	903	0	8	0
436	2	73.0	18.1	560	0	8	0
437	32	73.7	21.2	841	0	16	0
438 (Hall)	—	73.2	20.1	727	0	8	0
439	30	74.0	20.8	761	0	9	0
440	28	73.8	20.2	861	0	16	0
Guideline levels ASHRAE/AIHA/EPA		68 -75°F/winter 73 -79°F/summer	30-60%	Outdoor level + 700 ppm	9 ppm	65 ug/m ³ 24-hour average	1 ppm

Comments: _____

The assessed location(s) () Does () Does not meet established indoor air quality guidelines.

Signature:  Date: 1/16/02

CITY_21MC100_003045015

ATC ASSOCIATES, INC.
INDOOR AIR QUALITY FIELD REPORT

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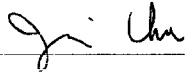
TIME 9:00

LOCATION M477 DATE 1/16/02 PROJECT NO. 19125-246

Location	Occup.	Temperature (°F)	Relative Humidity (%)	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	Respirable Particulates (ug/m ³)	TVOCs (ppm)
339	26	72.4	23.5	799	0	5	0
338	10	72.0	21.3	670	0	8	0
336	12	72.1	21.0	679	0	8	0
337	32	71.8	23.4	944	0	7	0
335	27	72.0	23.5	1112	0	7	0
333	29	71.7	22.3	889	0	7	0
329 (Hall)	—	72.0	24.8	869	0	6	0
327	21	72.2	23.7	1060	0	5	0
Guideline levels ASHRAE/AIHA/EPA		68 -75°F/winter 73 -79°F/summer	30-60%	Outdoor level + 700 ppm	9 ppm	65 ug/m ³ 24-hour average	1 ppm

Comments: _____

The assessed location(s) ☐ Does ☐ Does not meet established indoor air quality guidelines.

Signature:  Date: 1/16/02

CITY_21MC100_003045016

ATC ASSOCIATES, INC.
INDOOR AIR QUALITY FIELD REPORT

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Location	Occup.	Temperature (°F)	Relative Humidity (%)	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	Respirable Particulates (ug/m ³)	TVOCs (ppm)
1001 (Hall)	—	72.1	21.0	677	0	6	0
1004	21	73.2	22.7	980	0	7	0
Hall by Elevator	—	72.3	22.2	664	0	10	0
1007	28	73.0	21.9	850	0	5	0
1010	15	71.5	20.9	773	0	4	0
1009 (Hall)	—	72.0	20.1	688	0	4	0
1017	31	71.9	20.0	704	0	5	0
1025	30	72.6	20.7	855	0	8	0
1024 (Hall)	—	73.4	20.8	765	0	9	0
West (Hall)	—	72.0	20.5	799	0	7	0
Guideline levels ASHRAE/AIHA/EPA		68-75°F/winter 73-79°F/summer	30-60%	Outdoor level + 700 ppm	9 ppm	65 ug/m ³ 24-hour average	1 ppm

Comments: _____

The assessed location(s) () Does () Does not meet established indoor air quality guidelines.

Signature: Jin Chen Date: 1/16/02

CITY_21MC100_003045017

ATC ASSOCIATES, INC.
INDOOR AIR QUALITY FIELD REPORT

Page 5 of 13TIME 10:00LOCATION M477 DATE 1/16/02 PROJECT NO. 19125-246

Location	Occup.	Temperature (°F)	Relative Humidity (%)	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	Respirable Particulates(ug/m ³)	TVOCs (ppm)
West Stair	—	74.6	21.8	782	0	10	0
926	3	70.1	24.0	601	0	7	0
936	20	70.5	24.3	890	0	9	0
935	30	71.0	21.9	990	0	12	0
938	1	72.3	22.9	590	0	8	0
940	20	70.9	21.5	888	0	9	0
939	30	70.5	21.9	1004	0	10	0
H Stairs	—	71.5	22.3	760	0	7	0
Elevator (H#11)	—	71.3	21.5	599	0	6	0
902	30	72.0	22.0	999	0	7	0
Guideline levels ASHRAE/AIHA/EPA		68-75°F/winter 73-79°F/summer	30-60%	Outdoor level + 700 ppm	9 ppm	65 ug/m ³ 24-hour average	1 ppm

Comments: _____

The assessed location(s) () Does () Does not meet established indoor air quality guidelines.

Signature: Jin Chen Date: 1/16/02

CITY_21MC100_003045018

ATC ASSOCIATES, INC.
INDOOR AIR QUALITY FIELD REPORT

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Location	Occup.	Temperature (°F)	Relative Humidity (%)	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	Respirable Particulates(ug/m ³)	TVOCs (ppm)
E Stairs	—	73.6	21.0	600	0	10	0
801 (Hall)	—	71.0	22.0	790	0	9	0
802	5	71.3	24.1	800	0	7	0
804	25	71.5	21.3	972	0	7	0
815	30	71.9	20.9	899	0	11	0
826	14	72.1	21.6	1005	0	10	0
829	30	71.6	24.5	1019	0	9	0
833	30	72.0	23.9	1029	0	7	0
Hall by H Stairs	—	71.5	22.3	782	0	5	0
H Stairs	—	71.0	22.0	590	0	4	0
Guideline levels ASHRAE/AIHA/EPA		68 -75°F/winter 73 -79°F/summer	30-60%	Outdoor level + 700 ppm	9 ppm	65 ug/m ³ 24-hour average	1 ppm

Comments: _____

The assessed location(s) () Does () Does not meet established indoor air quality guidelines.

Signature: Jin Chay Date: 1/16/02

CITY_21MC100_003045019

ATC ASSOCIATES, INC.
INDOOR AIR QUALITY FIELD REPORT

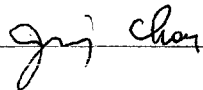
Page 7 of 13TIME 11:00LOCATION M477DATE 1/16/02PROJECT NO. 19125-246

Location	Occup.	Temperature (°F)	Relative Humidity (%)	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	Respirable Particulates (ug/m ³)	TVOCs (ppm)
701	2	69.2	24.8	575	0	4	0
702	2	69.5	27.4	660	0	5	0
703 (Hall)	—	70.0	25.3	572	0	6	0
709 (Hall)	—	70.2	22.6	540	0	6	0
715	25	70.3	23.4	869	0	7	0
717	26	70.1	25.7	1088	0	8	0
727 (Hall)	—	71.3	21.9	572	0	8	0
731	24	71.1	22.3	699	0	6	0
735	28	71.2	24.2	855	0	8	0
4 stair (Hall)	—	71.4	22.2	771	0	5	0
Guideline levels ASHRAE/AIHA/EPA		68 -75°F/winter 73 -79°F/summer	30-60%	Outdoor level + 700 ppm	9 ppm	65 ug/m ³ 24-hour average	1 ppm

Comments: _____

The assessed location(s) () Does () Does not meet established indoor air quality guidelines.

Signature: _____

Date: 1/16/02

ATC ASSOCIATES, INC.
INDOOR AIR QUALITY FIELD REPORT

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TIME 11:30

LOCATION M477 DATE 1/16/02 PROJECT NO. 19125-246

Location	Occup.	Temperature (°F)	Relative Humidity (%)	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	Respirable Particulates (ug/m ³)	TVOCs (ppm)
"H" Stairs	—	73.0	18.5	465	0	8	0
639 (Hall)	—	73.5	18.5	499	0	9	0
635	34	74.3	21.6	719	0	8	0
629	27	73.8	21.6	925	0	8	0
627 (Hall)	—	73.1	20.5	669	0	9	0
615	50	72.5	20.0	634	0	9	0
615A	30	73.0	20.4	790	0	9	0
615C	3	73.3	20.5	621	0	8	0
Gym (Hall)	—	71.8	19.6	617	0	7	0
601	1	72.0	19.6	550	0	7	0
Guideline levels ASHRAE/AMIA/EPA		68-75°F/winter 73-79°F/summer	30-60%	Outdoor level + 700 ppm	9 ppm	65 ug/m ³ 24-hour average	1 ppm

Comments: _____

The assessed location(s) () Does () Does not meet established indoor air quality guidelines.

Signature: Jay Clay Date: 1/16/02

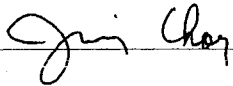
CITY_21MC100_003045021

ATC ASSOCIATES, INC.
INDOOR AIR QUALITY FIELD REPORT

Page 9 of 13TIME 12:00LOCATION M477 DATE 1/16/02 PROJECT NO. 19125-246

Location	Occup.	Temperature (°F)	Relative Humidity (%)	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	Respirable Particulates(ug/m ³)	TVOCs (ppm)
East stair	—	73.7	21.0	604	0	9	0
501	5	74.8	20.1	645	0	7	0
503	18	74.6	23.8	1005	0	5	0
505	16	73.7	20.3	770	0	7	0
507	20	73.3	19.9	755	0	11	0
513	22	73.3	21.0	774	0	9	0
511	15	72.9	21.5	1024	0	11	0
525	21	74.0	20.0	795	0	9	0
531	5	74.0	19.8	699	0	8	0
Cafeteria	Full	74.3	19.0	640	0	10	0
Guideline levels ASHRAE/AIHA/EPA		68 -75°F/winter 73 -79°F/summer	30-60%	Outdoor level + 700 ppm	9 ppm	65 ug/m ³ 24-hour average	1 ppm

Comments: _____

The assessed location(s) ☐ Does ☐ Does not meet established indoor air quality guidelines.Signature:  Date: 1/16/02

CITY_21MC100_003045022

ATC ASSOCIATES, INC.

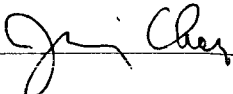
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INDOOR AIR QUALITY FIELD REPORT

LOCATION M477 DATE 1/16/02 PROJECT NO. 19125-240

Location	Occup.	Temperature (°F)	Relative Humidity (%)	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	Respirable Particulates (ug/m ³)	TVOCs (ppm)
"H" stairs	—	74.1	16.6	466	0	8	0
439 (HALL)	—	73.8	18.0	557	0	9	0
427	27	72.7	21.6	989	0	13	0
413 (HALL)	—	72.7	20.8	640	0	11	0
Elevator (HALL)	—	72.6	20.7	620	0	9	0
407	34	72.9	21.6	981	0	16	0
405	26	72.8	22.2	1004	0	9	0
403 (HALL)	—	72.9	21.4	799	0	8	0
402	3	74.1	21.6	796	0	9	0
404	20	73.9	21.8	856	0	9	0
Guideline levels ASHRAE/AIHA/EPA		68-75°F/winter 73-79°F/summer	30-60%	Outdoor level + 700 ppm	9 ppm	65 ug/m ³ 24-hour average	1 ppm

Comments: _____

The assessed location(s) ☐ Does ☐ Does not meet established indoor air quality guidelines.Signature:  Date: 1/16/02

CITY_21MC100_003045023

ATC ASSOCIATES, INC.
INDOOR AIR QUALITY FIELD REPORT

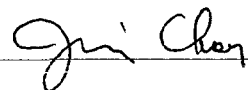
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Location	Occup.	Temperature (°F)	Relative Humidity (%)	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	Respirable Particulates(ug/m ³)	TVOCs (ppm)
East Stairs.	—	74.1	21.1	720	0	10	0
301	3	73.7	19.5	613	0	7	0
302	6	73.9	20.4	600	0	9	0
303	29	73.4	20.7	948	0	8	0
305	25	73.4	22.9	925	0	9	0
307 (Hall)	—	73.2	20.4	680	0	6	0
Gym (Hall)	—	73.0	20.0	660	0	5	0
313	32	72.4	22.5	1199	0	8	0
315	34	72.7	22.7	1129	0	23	0
325	31	72.2	20.0	853	0	7	0
Guideline levels ASHRAE/AIHA/EPA		68 -75°F/winter 73 -79°F/summer	30-60%	Outdoor level + 700 ppm	9 ppm	65 ug/m ³ 24-hour average	1 ppm

Comments: _____

The assessed location(s) ☐ Does ☐ Does not meet established indoor air quality guidelines.

Signature: _____

Date: 1/16/02

CITY_21MC100_003045024

ATC ASSOCIATES, INC.
INDOOR AIR QUALITY FIELD REPORT

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Location	Occup.	Temperature (°F)	Relative Humidity (%)	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	Respirable Particulates (ug/m ³)	TVOCs (ppm)
"R" Stair	—	72.5	18.7	515	0	7	0
250 (Hall)	—	72.8	17.7	504	0	7	0
239	5	72.9	19.3	567	0	7	0
237	23	72.6	19.5	758	0	10	0
236	10	72.5	19.1	635	0	7	0
235	29	72.3	21.0	956	0	9	0
232 (Hall)	—	72.4	18.4	669	0	7	0
233	35	72.6	19.2	1020	0	7	0
222 (Hall)	—	72.7	19.0	624	0	9	0
Hall by bridge	—	71.9	20.0	685	0	9	0
Guideline levels ASHRAE/AIHA/EPA		68 - 75°F/winter 73 - 79°F/summer	30-60%	Outdoor level + 700 ppm	9 ppm	65 ug/m ³ 24-hour average	1 ppm

Comments: _____

The assessed location(s) () Does () Does not meet established indoor air quality guidelines.

Signature: _____

Date: 1/16/02

CITY_21MC100_003045025

ATC ASSOCIATES, INC.
INDOOR AIR QUALITY FIELD REPORT

Page 13 of 13TIME 14:00LOCATION Stuyvesant H.S. (M477) DATE 1/16/02 PROJECT NO. 19125-0246

Location	Occup.	Temperature (°F)	Relative Humidity (%)	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	Respirable Particulates (ug/m ³)	TVOCs (ppm)
101	2	71.0	26.0	590	0	10	0
103	5	71.5	26.3	602	0	12	0
105	4	71.9	25.1	705	0	9	0
Hall (107)	—	67.6	27.8	520	0	7	0
Front Desk (Hall)	—	67.5	27.4	509	0	8	0
125	Full	72.1	26.9	989	0	9	0
129	Full	71.9	26.7	892	0	10	0
133	30	72.3	27.3	900	0	8	0
Hall by 155	—	67.1	27.0	600	0	10	0
Outside Hall 6	—	45.9	20.1	439	1	12	0
Guideline levels ASHRAE/AIHA/EPA		68 -75°F/winter 73 -79°F/summer	30-60%	Outdoor level + 700 ppm	9 ppm	65 ug/m ³ 24-hour average	1 ppm

Comments: _____

The assessed location(s) ☐ Does ☐ Does not meet established indoor air quality guidelines.Signature: Jin Chen Date: 1/16/02

CITY_21MC100_003045026