

ATTACHMENT 1

IAQ FIELD DATA COLLECTION FORMS

ATC ASSOCIATES, INC.
INDOOR AIR QUALITY FIELD REPORT

LOCATION : STUYVESANT HIGH SCHOOL DATE 1/15/02 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
8:15	OFF 32	OFF 40	OFF 49	28
9:00	OFF 30	OFF 48	OFF 50	30
10:05	OFF 25	OFF 50	OFF 55	32
11:00	OFF 38	OFF 55	OFF 50	40
12:10	OFF 35	OFF 48	OFF 49	38
13:02	OFF 32	OFF 46	OFF 45	35

CITY_21MC100_003044993

ATC ASSOCIATES, INC.

Page 1 of 13TIME 8:10

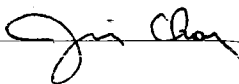
INDOOR AIR QUALITY FIELD REPORT

LOCATION Stuyvesant H.S. (M477) DATE 1/15/02 PROJECT NO. 19125-0246

Location	Occup.	Temperature (°F)	Relative Humidity (%)	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	Respirable Particulates (ug/m ³)	TVOCs (ppm)
Outside.	—	48.1	49.0	545	3	79	0
736	26	72.5	29.9	899	1	49	0
737	30	73.0	28.9	1138	1	55	0
738	30	74.3	29.5	1199	1	59	0
740	30	72.8	28.5	1165	1	32	0
636	28	72.9	30.1	1090	1	45	0
Win #4 open 638	30	76.5	30.5	856	1	40	0
639	34	73.3	31.2	1155	1	68	0
640	28	73.1	30.7	1161	1	61	0
739	34	73.2	28.5	960	1	35	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: 1/15/02

CITY_21MC100_003044994

ATC ASSOCIATES, INC.

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INDOOR AIR QUALITY FIELD REPORT

LOCATION Stuyvesant H.S. (M477) DATE 1/15/02 PROJECT NO. 19125-0246

Location	Occup.	Temperature (F)	Relative Humidity (%)	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	Respirable Particulates (ug/m ³)	TVOCs (ppm)
429	33	72.1	31.2	1290	0	53	0
431	33	72.0	31.7	1144	0 /	65	0
433	35	73.4	31.2	980	1	42	0
435	29	73.5	32.0	1228	1	36	0
436	1	72.8	28.0	700	1	42	0
437	33	73.0	31.6	1241	1	41	0
438 (Hall)	—	72.8	28.6	870	1	34	0
439	31	73.2	31.9	1149	1	51	0
440	32	73.0	29.9	1006	1	39	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: 1/15/02

ATC ASSOCIATES, INC.
INDOOR AIR QUALITY FIELD REPORT

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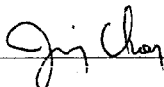
TIME 9:00

LOCATION Stuyvesant H.S. (M477) DATE 1/15/02 PROJECT NO. 19125-0246

Location	Occup.	Temperature (°F)	Relative Humidity (%)	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	Respirable Particulates (ug/m ³)	TVOCs (ppm)
339	29	71.0	31.9	1122	0	39	0
338 (Hall)	—	71.1	29.1	777	0	18	0
337	33	70.7	32.1	1202	0	36	0
336	27	71.6	30.5	916	0	36	0
335	28	70.9	31.9	1000	0	53	0
333	29	70.7	31.4	1049	0	49	0
329 (Hall)	—	70.9	29.6	756	0	25	0
327	30	71.3	34.1	1421	0	28	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: 1/15/02

CITY_21MC100_003044996

ATC ASSOCIATES, INC.

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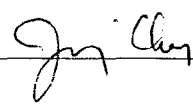
INDOOR AIR QUALITY FIELD REPORT

LOCATION Stuyvesant H.S. (M477) DATE 1/15/02 PROJECT NO. 19125-0246

Location	Occup.	Temperature (°F)	Relative Humidity (%)	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	Respirable Particulates (ug/m ³)	TVOCs (ppm)
E. Stairs	—	70.3	35.9	628	0	31	0
Bridge (Hall)	—	69.8	34.8	768	0	42	0
203	3	70.1	34.1	890	0	40	0
205	2	70.3	35.1	799	0	38	0
207	5	70.8	34.1	901	0	42	0
209	6	69.9	35.5	771	0	40	0
"G" Stair (Hall)	—	69.7	32.7	630	0	36	0
233	33	70.4	34.2	1136	0	37	0
237	33	70.7	32.4	955	0	61	0
239	2	71.2	29.5	664	0	33	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: 1/15/02

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ATC ASSOCIATES, INC.

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TIME 10:00

INDOOR AIR QUALITY FIELD REPORT

LOCATION Stuyvesant H.S. (M477) DATE 1/15/02 PROJECT NO. 19125-0246

Location	Occup	Temperature (°F)	Relative Humidity (%)	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	Respirable Particulates (ug/m ³)	TVOCs (ppm)
"R" Stair (Hall)	—	71.5	28.9	701	0	16	0
325 (Hall)	—	71.3	29.3	675	0	35	0
313	30	71.3	32.3	1290	0	43	0
337 (Hall)	—	71.2	29.1	815	0	16	0
315	32	71.8	32.5	1102	0	71	0
Gym (Hall)	—	72.1	29.6	749	0	32	0
307	6	72.2	27.3	645	0	51	0
305	4	72.2	27.7	670	0	64	0
303	28	71.6	27.2	890	0	75	0
301	5	71.8	28.1	755	0	39	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: 1/15/02

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ATC ASSOCIATES, INC.

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INDOOR AIR QUALITY FIELD REPORT

TIME 10:30LOCATION Stuyvesant H.S. (M477) DATE 1/15/02 PROJECT NO. 19125-0246

Location	Occup.	Temperature (°F)	Relative Humidity (%)	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	Respirable Particulates (ug/m ³)	TVOCs (ppm)
East Stairs	—	72.6	29.6	858	0	39	0
401	13	72.8	28.2	790	0	50	0
402	5	74.0	28.4	795	0	46	0
403	27	73.7	32.4	1398	0	46	0
404	18	74.1	29.0	942	0	45	0
405	28	73.5	32.0	1383	0	45	0
407	30	73.7	31.2	1124	0	65	0
413 (Hall)	—	72.8	29.0	714	0	46	0
425	27	72.6	30.4	1142	0	59	0
West Stair - (Hall)	—	72.4	29.3	920	0	41	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: Jim Chan Date: 1/15/02

CITY_21MC100_003044999

ATC ASSOCIATES, INC.

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INDOOR AIR QUALITY FIELD REPORT

LOCATION Stuyvesant H.S. (M477) DATE 1/15/02 PROJECT NO. 19125-0246

Location	Occup.	Temperature (°F)	Relative Humidity (%)	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	Respirable Particulates (ug/m ³)	TVOCs (ppm)
West Stairs	—	73.1	27.6	750	1	35	0
(Hall) W Stairs	—	73.8	27.1	680	1	34	0
Cafeteria	Full	72.9	27.0	790	1	36	0
531	5	73.7	27.2	800	1	34	0
525	34	74.1	28.5	960	1	66	0
513	30	73.6	30.7	1255	1	43	0
511	29	72.3	31.0	1351	0	45	0
507	29	72.4	28.9	1023	1	68	0
505	22	72.5	31.4	1239	1	40	0
503	33	73.4	34.6	1599	1	29	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: Jay Chay Date: 1/15/02

CITY_21MC100_003045000

ATC ASSOCIATES, INC.

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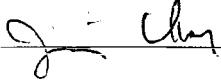
INDOOR AIR QUALITY FIELD REPORT

LOCATION Stuyvesant H.S. (M477) DATE 1/15/02 PROJECT NO. 19125-0246

Location	Occup.	Temperature (°F)	Relative Humidity (%)	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	Respirable Particulates (ug/m ³)	TVOCs (ppm)
601	3	72.9	30.1	699	1	40	0
Gym (Hall)	—	72.2	28.0	690	1	49	0
615	30	72.9	30.5	890	1	40	0
615A	28	72.7	30.1	900	1	38	0
615C	3	73.0	31.0	810	1	45	0
627 (Hall)	—	72.4	28.3	688	1	38	0
629	28	73.0	31.2	1005	1	42	0
635	30	73.3	31.9	962	1	41	0
H (Hall)	—	73.4	29.0	812	1	45	0
H Stairs	—	72.1	28.3	699	1	39	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: 1/15/02

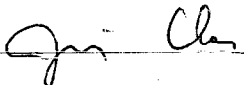
ATC ASSOCIATES, INC.
INDOOR AIR QUALITY FIELD REPORT

Page 9 of 13TIME 12:00LOCATION Stuyvesant H.S. (M477) DATE 1/15/02 PROJECT NO. 19125-0246

Location	Occup.	Temperature (°F)	Relative Humidity (%)	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	Respirable Particulates (ug/m ³)	TVOCs (ppm)
735	30	71.0	30.9	1605	0	40	0
731	28	71.9	31.4	1102	0	38	0
715	28	72.3	31.6	1199	0	45	0
717	30	72.0	30.1	999	0	59	0
Hall by Elevator	—	70.9	30.5	690	0	48	0
701	5	69.9	29.9	790	0	52	0
702	4	70.1	31.2	695	0	53	0
704	4	70.6	31.4	705	0	44	0
709	28	70.4	29.1	805	0	48	0
East Stairs	—	69.9	29.8	599	0	38	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: 1/15/02

CITY_21MC100_003045002

ATC ASSOCIATES, INC.

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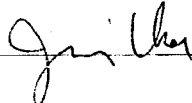
TIME 12:30

INDOOR AIR QUALITY FIELD REPORT

LOCATION Stuyvesant H.S. (M477) DATE 1/15/02 PROJECT NO. 19125-0246

Location	Occup.	Temperature (°F)	Relative Humidity (%)	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	Respirable Particulates (ug/m ³)	TVOCs (ppm)
East Stairs	—	73.0	32.9	690	1	49	0
802	5	72.9	32.5	790	1	40	0
804	28	73.1	33.0	899	1	39	0
815	26	72.7	31.9	1002	1	48	0
826	12	73.2	30.1	903	1	60	0
829	30	73.4	31.5	915	1	54	0
835	28	73.1	30.5	935	1	50	0
Hall by "H"	—	71.9	32.5	699	1	49	0
"H" Stairs	—	71.5	31.0	599	1	52	0
Hall by 839	—	71.7	32.3	739	1	50	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: 1/15/02

CITY_21MC100_003045003

ATC ASSOCIATES, INC.

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INDOOR AIR QUALITY FIELD REPORT

TIME 13:00LOCATION Stuyvesant H.S. (M477) DATE 1/15/02 PROJECT NO. 19125-0246

Location	Occup.	Temperature (°F)	Relative Humidity (%)	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	Respirable Particulates (ug/m ³)	TVOCs (ppm)
901 (Hall)	—	72.0	29.5	752	0	42	0
902	30	72.3	30.5	800	0	50	0
Hall Elevator	—	71.9	30.2	702	0	49	0
931	28	72.5	30.9	1064	0	45	0
935	30	73.0	31.1	899	0	52	0
936	25	73.5	31.3	1199	0	41	0
940	30	72.8	30.8	801	0	36	0
939	25	72.5	30.8	815	0	42	0
938	15	73.2	30.9	1005	0	39	0
Hall by "H"	—	71.0	29.2	790	0	39	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: 1/15/02

CITY_21MC100_003045004

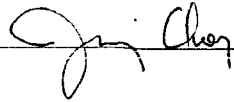
ATC ASSOCIATES, INC.
INDOOR AIR QUALITY FIELD REPORT

Page 2 of 3TIME 13:30
 LOCATION Stuyvesant H.S. (M477) DATE 1/15/02 PROJECT NO. 19125-0246

Location	Occup.	Temperature (°F)	Relative Humidity (%)	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	Respirable Particulates (ug/m ³)	TVOCs (ppm)
1001	30	72.9	31.1	999	0	39	0
1004	28	72.5	30.9	978	0	45	0
1006	30	72.1	29.8	900	0	30	0
1009	15	72.5	27.9	790	0	39	0
1010	30	73.3	30.5	1004	0	24	0
1009 (Hall)	—	71.9	27.1	709	0	30	0
1017	25	71.8	27.5	899	0	28	0
1025	30	72.1	29.9	1009	0	35	0
Hall East	—	71.5	29.6	701	0	40	0
Hall West	—	71.8	29.1	690	0	42	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: 1/15/02

CITY_21MC100_003045005

ATC ASSOCIATES, INC.
INDOOR AIR QUALITY FIELD REPORT

Page 13 of 13TIME 14:00LOCATION Stuyvesant H.S. (M477) DATE 1/15/02 PROJECT NO. 19125-0246

Location	Occup.	Temperature (°F)	Relative Humidity (%)	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	Respirable Particulates (ug/m ³)	TVOCs (ppm)
Hall by 155	—	73.0	31.3	599	0	40	0
125	Full	73.3	32.0	899	0	38	0
129	Full	73.6	32.5	969	0	36	0
By Front Desk	—	69.3	44.3	609	0	35	0
101	2	72.8	31.0	590	0	38	0
103	4	73.1	32.1	585	0	42	0
105	5	73.3	29.9	649	0	40	0
107 (MAN)	—	69.8	42.7	615	0	33	0
Hall by Pool	—	69.8	41.9	609	0	38	0
Outside	—	49.7	48.3	595	0	83	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: J. Chen Date: 1/15/02

CITY_21MC100_003045006