NYC 9/11 Public Portal Document

ATC ASSOCIATES, INC.
INDOOR AIR QUALITY FIELD REPORT

TIME 8:10

LOCATION PS89 M DATE 2/6/02 PROJECT NO. 19125-297

Location	Occup.	Temperature (°F)	Relative Humidity (%)	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	Respirable Particulates(ug/m³)	TVOCs (ppm)
North Playground	OUTSIDE	37.0	25.7	505	0	48	0
South Playground		36.5	25.9	500	0	50	0
Exit North		36.0	25.6	498	0	53	0
Exit South		35.8	25.4	493	0	47	0
NE Corner		36.3	24.2	490	0	45	0
NW Corner		35.1	24.9	485	0	48	0
SE Corner		36.5	25.5	483	0	49	0
SW Corner		35.3	25.7	480	0	50	0
Inside Exit North		69.3	32.0	526	0	34	0
Inside Exit South		69.5	31.5	535	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/m³ 24-hour average	1 ppm

Comments: _____

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

Signature: Jay Chay Date: 2/6/02

CITY_21MC100_003270812

NYC-WTC_000327366

NYC 9/11 Public Portal Document

ATC ASSOCIATES, INC.
INDOOR AIR QUALITY FIELD REPORT

TIME 8:30

LOCATION PS89 M DATE 2/6/02 PROJECT NO. 19125-297

Location	Occup.	Temperature (°F)	Relative Humidity (%)	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	Respirable Particulates(ug/m³)	TVOCs (ppm)
Cafeteria	—	73.9	12.9	535	0	21	0
Hall by Elevator		72.9	12.2	502	0	19	0
501	17	72.9	13.7	611	0	11	0
502	1	74.4	13.2	519	0	20	0
504 (HALL)		73.8	12.9	538	0	20	0
508	20	73.9	14.4	799	0	26	0
508	34	72.8	13.7	890	0	21	0
520 (HALL)	—	72.3	13.6	635	0	23	0
517	3	71.6	13.1	661	0	20	0
Stair 1 (HALL)	—	71.6	13.1	643	0	21	0
Guideline levels ASHRAE/AIHA/EPA		68-75°F/winter 73-79°F/summer	30-60%	Outdoor level + 700 ppm	9 ppm	65 ug/m³ 24-hour average	1 ppm

Comments: _____

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

Signature: _____ Date: 2/6/02

CITY_21MC100_003270813

NYC-WTC_000327367

NYC 9/11 Public Portal Document

TIME 9:00

ATC ASSOCIATES, INC.
INDOOR AIR QUALITY FIELD REPORT

LOCATION PS89 M DATE 2/6/02 PROJECT NO. 19125-297

Location	Occup.	Temperature (°F)	Relative Humidity (%)	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	Respirable Particulates(ug/m³)	TVOCs (ppm)
432 (HALL)		70.4	13.3	550	0	22	0
426	—	70.3	13.0	488	0	28	0
410 (HALL)	10	70.9	13.8	584	0	22	0
408	19	71.4	14.1	802	0	24	0
404	29	71.9	16.3	799	0	25	0
402	30	70.8	16.4	1004	0	30	0
401 (HALL)	—	70.9	15.2	749	0	22	0
301	3	71.3	13.8	563	0	17	0
302	—	68.5	13.0	511	0	31	0
304 (HALL)	—	69.3	13.8	565	0	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/m³ 24-hour average	1 ppm

Comments: _____

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

Signature: _____ Date: 2/6/02

CITY_21MC100_003270814

NYC-WTC_000327368

NYC 9/11 Public Portal Document

TIME 9:50

ATC ASSOCIATES, INC.
INDOOR AIR QUALITY FIELD REPORT

LOCATION PS89 M DATE 2/6/02 PROJECT NO. 19125-297

Location	Occup.	Temperature (°F)	Relative Humidity (%)	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	Respirable Particulates(ug/m³)	TVOCs (ppm)
Gym		70.2	15.3	538	0	18	0
310 (HALL)		70.1	14.7	534	0	26	0
330		69.5	16.6	488	0	24	0
328		70.2	13.8	478	0	28	0
Stair #1		68.4	13.3	480	0	32	0
219 (HALL)		68.9	13.4	498	0	22	0
Auditorium		74.0	14.2	516	0	17	0
204 (HALL)		71.4	13.8	512	0	20	0
201		70.6	15.0	519	0	18	0
202 (HALL)		70.7	14.3	514	0	21	0
Guideline levels ASHRAE/AIHA/EPA		68 -75°F/winter 73 -79°F/summer	30-60%	Outdoor level + 700 ppm	9 ppm	65 ug/m³ 24-hour average	1 ppm

Comments:

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

Signature: Jim Chy. Date: 2/6/02

CITY_21MC100_003270815

NYC-WTC_000327369

NYC 9/11 Public Portal Document

ATC ASSOCIATES, INC.
INDOOR AIR QUALITY FIELD REPORT

TIME 1200

LOCATION PS89 M DATE 2/6/02 PROJECT NO. 19125-297

Location	Occup.	Temperature (°F)	Relative Humidity (%)	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	Respirable Particulates (ug/m³)	TVOCs (ppm)
North Playground	OUTDOORS	43.9	29.2	445	0	44	0
South Playground		44.0	29.9	450	0	43	0
South Exit		43.7	30.3	456	0	40	0
SE Corner.		43.5	30.3	451	0	38	0
NE Corner		44.0	30.5	459	0	42	0
North Exit		43.7	29.9	463	0	41	0
NW Corner		43.9	30.9	466	0	44	0
SW Corner		44.2	31.0	475	0	40	0
Inside North Exit		70.1	18.8	509	0	20	0
Inside South Exit		69.8	18.5	517	0	19	0
Guideline levels ASHRAE/AIHA/EPA		68-75°F/winter 73-79°F/summer	30-60%	Outdoor level + 700 ppm	9 ppm	65 ug/m³ 24-hour average	1 ppm

Comments: _____

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

Signature: Jim Chang Date: 2/6/02

CITY_21MC100_0032708 16

NYC-WTC_000327370

NYC 9/11 Public Portal Document

TIME 1230

ATC ASSOCIATES, INC.
INDOOR AIR QUALITY FIELD REPORT

LOCATION PS89 M DATE 2/6/02 PROJECT NO. 19125-297

Location	Occup.	Temperature (°F)	Relative Humidity (%)	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	Respirable Particulates(ug/m³)	TVOCs (ppm)
515 (HALL)		71.9	18.2	640	0	19	0
510		71.5	18.0	814	0	30	0
526		72.4	17.3	705	0	26	0
528	6	72.0	17.9	904	0	24	0
530 (HALL)	10	72.0	18.4	885	0	25	0
532	5	72.2	18.5	930	0	24	0
519	1	72.8	17.9	768	0	20	0
402 (HALL)	—	71.9	16.0	648	0	25	0
419	3	70.9	15.2	583	0	24	0
432 (HALL)		71.4	15.1	571	0	22	0
Guideline levels ASHRAE/AIHA/EPA		68 -75°F/winter 73 -79°F/summer	30-60%	Outdoor level + 700 ppm	9 ppm	65 ug/m³ 24-hour average	1 ppm

Comments: _____

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

Signature: _____ Date: 2/6/02

CITY_21MC100_003270817

NYC-WTC_000327371

NYC 9/11 Public Portal Document

TIME 1300

ATC ASSOCIATES, INC.
INDOOR AIR QUALITY FIELD REPORT

LOCATION PS89 M DATE 2/6/02 PROJECT NO. 19125-297

Location	Occup.	Temperature (°F)	Relative Humidity (%)	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	Respirable Particulates(ug/m³)	TVOCs (ppm)
426		71.0	15.0	651	0	24	0
415	I	71.5	15.4	635	0	24	0
401 (HALL)		71.8	15.9	669	0	25	0
By Elevator	—	71.9	16.0	643	0	26	0
301	I	71.9	16.3	638	0	19	0
302	—	69.7	15.6	573	0	26	0
304 (HALL)	—	70.9	16.8	654	0	26	0
318 (HALL)	—	71.1	17.9	681	0	26	0
328	—	70.4	14.5	575	0	24	0
330	—	70.4	14.4	504	0	25	0
Guideline levels ASHRAE/AIHA/EPA		68 -75°F/winter 73 -79°F/summer	30-60%	Outdoor level + 700 ppm	9 ppm	65 ug/m³ 24-hour average	1 ppm

Comments: _____

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

Signature: _____ Date: 2/6/02

CITY_21MC100_003270818

NYC-WTC_000327372

NYC 9/11 Public Portal Document

TIME 1330

ATC ASSOCIATES, INC.
INDOOR AIR QUALITY FIELD REPORT

LOCATION PS89 M DATE 2/6/02 PROJECT NO. 19125-297

Location	Occup.	Temperature (°F)	Relative Humidity (%)	Carbon Dioxide (ppm)	Carbon Monoxide (ppm)	Respirable Particulates(ug/m³)	TVOCs (ppm)
332		70.8	13.5	479	0	24	0
319 (HALL)		70.2	14.1	529	0	26	0
Hall by #1		70.1	14.8	539	0	26	0
Stair #1		69.3	14.9	540	0	30	0
219 (HALL)		67.9	14.1	490	0	22	0
230 (HALL)		69.0	14.6	528	0	22	0
Auditorium		70.6	14.6	501	0	18	0
Hall by Stair 2		70.9	14.6	520	0	20	0
201		71.1	16.0	519	0	17	0
202 (HALL)		71.1	15.9	530	0	18	0
Guideline levels ASHRAE/AIHA/EPA		68 -75°F/winter 73 -79°F/summer	30-60%	Outdoor level + 700 ppm	9 ppm	65 ug/m³ 24-hour average	1 ppm

Comments: _____

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

Signature: _____ Date: 2/6/02

CITY_21MC100_003270819

NYC-WTC_000327373