NYC 9/11 Public Portal Document



# ATC ASSOCIATES, INC.
# INDOOR AIR QUALITY FIELD REPORT

TIME 8:00

LOCATION PS89 M DATE 4/17/02 PROJECT NO. 19125-297

| Location | Occup. | Temperature ("F) | Relative Humidity (%) | Carbon Dioxide (ppm) | Carbon Monoxide (ppm) | Respirable Particulates(ug/m$^3$) | TVOCs (ppm) |
|---|---|---|---|---|---|---|---|
| Outside | | | | | | | |
| SE Corner | | 80.3 | 42.1 | 570 | 7 | 107 | 0 |
| East Side | | 80.0 | 42.3 | 575 | 7 | 105 | 0 |
| NE Corner | | 80.2 | 42.6 | 579 | 7 | 108 | 0 |
| North Ext | | 80.5 | 42.9 | 583 | 7 | 122 | 0 |
| NW Corner | | 80.9 | 43.1 | 587 | 7 | 119 | 0 |
| By Air Intake | | 81.2 | 43.4 | 590 | 7 | 112 | 0 |
| SW Corner | | 81.5 | 43.8 | 595 | 7 | 109 | 0 |
| South Ext | | 81.8 | 44.0 | 603 | 7 | 107 | 0 |
| Playground N | | 82.3 | 44.3 | 610 | 7 | 106 | 0 |
| Playground S | | 82.7 | 44.5 | 619 | 7 | 108 | 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:** 4/17/02

CITY_21MC100_0000490099

NYC-WTC_000222487

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# ATC ASSOCIATES, INC.
# INDOOR AIR QUALITY FIELD REPORT



TIME 8:30

LOCATION PS89 M DATE 4/17/02 PROJECT NO. 19125-297

| Location | Occup. | Temperature (°F) | Relative Humidity (%) | Carbon Dioxide (ppm) | Carbon Monoxide (ppm) | Respirable Particulates(ug/m³) | TVOCs (ppm) |
|---|---|---|---|---|---|---|---|
| Cafeteria | | 79.9 | 47.3 | 697 | 2 | 72 | 0 |
| Hall by Cafeteria | | 80.5 | 47.3 | 746 | 2 | 80 | 0 |
| North Exit | | 80.4 | 47.3 | 765 | 2 | 82 | 0 |
| Dance Rm | 1 | 79.6 | 45.3 | 668 | 2 | 36 | 0 |
| Hall by Stair 1 | | 78.2 | 46.0 | 664 | 2 | 80 | 0 |
| 132B | 3 | 78.4 | 46.9 | 729 | 2 | 44 | 0 |
| 132C | 1 | 78.1 | 46.7 | 713 | 2 | 43 | 0 |
| 132D | 1 | 78.1 | 46.9 | 715 | 2 | 36 | 0 |
| Hall by Elevator | | 80.4 | 47.9 | 698 | 2 | 86 | 0 |
| South Exit | | 80.8 | 48.0 | 692 | 2 | 84 | 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: 4/17/02

CITY_21MC100_0000490100

NYC-WTC_000222488

NYC 9/11 Public Portal Document



# ATC ASSOCIATES, INC.
# INDOOR AIR QUALITY FIELD REPORT

TIME 9:00

LOCATION PS89 M DATE 4/17/02 PROJECT NO. 19125-297

| Location | Occup. | Temperature (°F) | Relative Humidity (%) | Carbon Dioxide (ppm) | Carbon Monoxide (ppm) | Respirable Particulates(ug/m³) | TVOCs (ppm) |
|---|---|---|---|---|---|---|---|
| 501 (HALL) | | 80.7 | 44.5 | 644 | 2 | 59 | 0 |
| 502 | 1 | 80.3 | 44.6 | 641 | 2 | 35 | 0 |
| Hall by Stair 3 | 11 | 80.6 | 44.8 | 646 | 2 | 61 | 0 |
| 506 | 20 | 82.3 | 50.9 | 1105 | 2 | 43 | 0 |
| 515 | — | 81.8 | 45.7 | 804 | 2 | 14 | 0 |
| 508 | 23 | 83.3 | 49.5 | 940 | 2 | 86 | 0 |
| 510 | 29 | 83.0 | 48.9 | 1091 | 2 | 89 | 0 |
| 512 | 2 | 82.1 | 45.2 | 810 | 2 | 76 | 0 |
| Hall by 520 | — | 81.7 | 44.5 | 762 | 2 | 80 | 0 |
| Hall by Stair 2 | — | 81.5 | 44.4 | 770 | 2 | 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/m³ 24-hour average** | **1 ppm** |

**Comments:** _____

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

**Signature:** _____ **Date:** 4/17/02

CITY_21MC100_000490101

NYC-WTC_000222489

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# ATC ASSOCIATES, INC.
# INDOOR AIR QUALITY FIELD REPORT

TIME 9:30

LOCATION PS89 M DATE 4/17/02 PROJECT NO. 19125-297

| Location | Occup. | Temperature (°F) | Relative Humidity (%) | Carbon Dioxide (ppm) | Carbon Monoxide (ppm) | Respirable Particulates(ug/m³) | TVOCs (ppm) |
|---|---|---|---|---|---|---|---|
| 526 | 33 | 81.8 | 48.6 | 1164 | 2 | 45 | 0 |
| 528 | 30 | 82.1 | 47.4 | 1070 | 2 | 107 | 0 |
| 517 | 1 | 80.4 | 42.9 | 658 | 2 | 70 | 0 |
| 530 (HALL) | – | 79.7 | 44.6 | 729 | 2 | 89 | 0 |
| 532 | 31 | 80.6 | 47.6 | 1023 | 2 | 88 | 0 |
| 519 (HALL) | – | 80.5 | 46.5 | 905 | 2 | 90 | 0 |
| 519 | 1 | 80.6 | 46.9 | 861 | 2 | 50 | 0 |
| Stair 1 | – | 80.2 | 45.0 | 688 | 2 | 79 | 0 |
| 419 | 11 | 80.3 | 46.8 | 1040 | 2 | 59 | 0 |
| 419 (HALL) | – | 80.2 | 46.7 | 1030 | 2 | 60 | 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 Chang Date: 4/17/02

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NYC 9/11 Public Portal Document



TIME 1000

# ATC ASSOCIATES, INC.
# INDOOR AIR QUALITY FIELD REPORT

LOCATION PS89 M DATE 4/17/02 PROJECT NO. 19125-297

| Location | Occup. | Temperature (°F) | Relative Humidity (%) | Carbon Dioxide (ppm) | Carbon Monoxide (ppm) | Respirable Particulates(ug/m³) | TVOCs (ppm) |
|---|---|---|---|---|---|---|---|
| 432 | 20 | 79.8 | 47.2 | 1153 | 2 | 58 | 0 |
| 430 | 21 | 79.8 | 48.5 | 1176 | 2 | 47 | 0 |
| 428 (HALL) | - | 79.7 | 46.6 | 872 | 2 | 88 | 0 |
| 426 | - | 79.9 | 45.6 | 743 | 2 | 67 | 0 |
| Hall by Stair 2 | - | 79.9 | 45.9 | 730 | 2 | 89 | 0 |
| 410 (HALL) | | 80.2 | 46.5 | 719 | 2 | 87 | 0 |
| 408 | 25 | 83.3 | 49.7 | 975 | 2 | 76 | 0 |
| (Hall) 406 | - | 82.2 | 45.3 | 720 | 2 | 88 | 0 |
| 404 | 30 | 82.7 | 47.9 | 973 | 2 | 83 | 0 |
| 402 | 31 | 84.0 | 49.4 | 1040 | 2 | 90 | 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: 4/17/02

CITY_21MC100_0000490103

NYC-WTC_000222491

NYC 9/11 Public Portal Document



# ATC ASSOCIATES, INC.
# INDOOR AIR QUALITY FIELD REPORT

TIME 1030

LOCATION PS89 M DATE 4/17/02 PROJECT NO. 19125-297

| Location | Occup. | Temperature (°F) | Relative Humidity (%) | Carbon Dioxide (ppm) | Carbon Monoxide (ppm) | Respirable Particulates(ug/m$^3$) | TVOCs (ppm) |
|---|---|---|---|---|---|---|---|
| 401 | | 80.0 | 41.5 | 680 | 2 | 59 | 0 |
| 301 (HALL) | | 81.2 | 44.2 | 738 | 2 | 90 | 0 |
| 302 | 4 | 81.4 | 43.9 | 681 | 2 | 63 | 0 |
| 304 | 4 | 82.7 | 44.6 | 704 | 2 | 90 | 0 |
| 306 | 2 | 82.7 | 45.2 | 876 | 2 | 70 | 0 |
| 315 | | 77.8 | 42.9 | 645 | 2 | 88 | 0 |
| 308 (HALL) | | 78.0 | 45.1 | 650 | 2 | 88 | 0 |
| 307 (HALL) | | 78.2 | 45.0 | 652 | 2 | 87 | 0 |
| 315 (HALL) | | 78.3 | 44.6 | 655 | 2 | 88 | 0 |
| Hall by Elevator. | | 78.6 | 44.8 | 661 | 2 | 86 | 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: 4/17/02

CITY_21MC100_000490104

NYC-WTC_000222492

NYC 9/11 Public Portal Document

# ATC ASSOCIATES, INC.
# INDOOR AIR QUALITY FIELD REPORT



TIME 1100

LOCATION PS89 M DATE 4/17/02 PROJECT NO. 19125-297

| Location | Occup. | Temperature (°F) | Relative Humidity (%) | Carbon Dioxide (ppm) | Carbon Monoxide (ppm) | Respirable Particulates(ug/m³) | TVOCs (ppm) |
|---|---|---|---|---|---|---|---|
| 310 | 2 | 79.2 | 45.2 | 708 | 2 | 68 | 0 |
| 314 (HALL) | | 79.2 | 45.9 | 702 | 2 | 89 | 0 |
| 316 (HALL) | | 79.3 | 46.0 | 738 | 2 | 89 | 0 |
| 326 | 30 | 80.1 | 46.8 | 985 | 2 | 80 | 0 |
| 328 | 4 | 80.6 | 47.3 | 826 | 2 | 86 | 0 |
| 330 | | 79.9 | 46.2 | 769 | 2 | 83 | 0 |
| 330 (HALL) | | 79.7 | 46.0 | 767 | 2 | 90 | 0 |
| 332 | 1 | 79.0 | 45.5 | 811 | 2 | 76 | 0 |
| 319 | 2 | 79.0 | 46.0 | 760 | 2 | 80 | 0 |
| Hall by Stair) | | 79.1 | 46.1 | 748 | 2 | 92 | 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: 4/17/02

CITY_21MC100_000490105

NYC-WTC_000222493

NYC 9/11 Public Portal Document

# ATC ASSOCIATES, INC.
## INDOOR AIR QUALITY FIELD REPORT



TIME 1130

LOCATION PS89 M DATE 4/17/02 PROJECT NO. 19125-297

| Location | Occup. | Temperature (°F) | Relative Humidity (%) | Carbon Dioxide (ppm) | Carbon Monoxide (ppm) | Respirable Particulates(ug/m³) | TVOCs (ppm) |
|---|---|---|---|---|---|---|---|
| 219 | 16 | 79.5 | 47.4 | 832 | 2 | 74 | 0 |
| 232 | 18 | 80.4 | 50.2 | 951 | 2 | 84 | 0 |
| 230 (HALL) | | 80.1 | 47.1 | 831 | 2 | 87 | 0 |
| 230 | 10 | 79.8 | 46.6 | 962 | 2 | 35 | 0 |
| 217C (HALL) | | 79.7 | 46.3 | 767 | 2 | 88 | 0 |
| 226 | | 79.6 | 46.0 | 770 | 2 | 68 | 0 |
| Auditorium | | 77.7 | 44.4 | 643 | 2 | 90 | 0 |
| 208 (HALL) | | 79.9 | 46.3 | 718 | 2 | 88 | 0 |
| 204 | | 80.6 | 48.9 | 800 | 2 | 56 | 0 |
| 202 | 25 | 80.8 | 49.6 | 1103 | 2 | 58 | 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 Chen Date: 4/17/02

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