NYC 9/11 Public Portal Document

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



Time: 8AM LOCATION: PS 89 DATE: 5/30/02 PROJECT NO:

| Location OUTSIDE | Occupants | Temperature (°F) | Relative Humidity (%) | Carbon Dioxide (ppm) | Carbon Monoxide (ppm) | Respirable Particulates (ug/m³) | TVOCs (ppm) |
|---|---|---|---|---|---|---|---|
| SOUTH EXIT | 0 | 78.1 | 53.5 | 521 | 1 | 55 | 0 |
| PLAY GROUND N | 10 | 78.1 | 53.6 | 521 | 1 | 55 | 0 |
| PLAY GROUND S | 0 | 78.1 | 53.6 | 526 | 1 | 54 | 0 |
| SE CORNER | 0 | 78.1 | 53.6 | 530 | 1 | 55 | 0 |
| EAST SIDE | 3 | 78.3 | 53.6 | 529 | 1 | 54 | 0 |
| N/W CORNER | 0 | 78.3 | 53.6 | 516 | 1 | 53 | 0 |
| NORTH EXIT | 0 | 78.1 | 53.4 | 522 | 1 | 55 | 0 |
| S/W CORNER | 0 | 78.2 | 53.4 | 521 | 1 | 55 | 0 |
| NEXT TO AIR INTAKE | 0 | 78.2 | 53.6 | 523 | 1 | 55 | 0 |
| NORTH CORNER | 0 | 78.2 | 53.6 | 519 | 1 | 55 | 0 |
| Guideline levels ASHRAE/AIHA | | 68 – 75°F/winter 73-79 °F/summer | 30-60% | Outdoor level + 700 ppm | 9 ppm | 65 ug/m³ | 1 ppm |

Comments: _____

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

Signature: _____ Date: 5/30/02

05/31/2002 13:24 FAX 212 353 8308 ATC 007/014

CITY_21MC100_009261530

NYC-WTC_000340545

NYC 9/11 Public Portal Document

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



Time: 9:00 AM LOCATION: PS 89 DATE: 5/30/02 PROJECT NO:

| Location | Occupants | Temperature (°F) | Relative Humidity (%) | Carbon Dioxide (ppm) | Carbon Monoxide (ppm) | Respirable Particulates ($ug/m^3$) | TVOCs (ppm) |
|---|---|---|---|---|---|---|---|
| NEXT TO STAIR #2 HALLWAY | 6 | 70.9 | 51.2 | 787 | 1 | 12 | 0 |
| 526 | 0 | 72.9 | 52.2 | 728 | 1 | 16 | 0 |
| 528 | 20 | 72.1 | 52.7 | 779 | 1 | 12 | 0 |
| 517 | 0 | 72.3 | 53.5 | 765 | 1 | 16 | 0 |
| 530 HALLWAY | 0 | 70.8 | 51.1 | 687 | 1 | 15 | 0 |
| 532 | 25 | 72.7 | 54.3 | 851 | 1 | 10 | 0 |
| 514 | 0 | 71.6 | 51.2 | 705 | 1 | 10 | 0 |
| 419 | 1 | 73.0 | 51.3 | 715 | 1 | 11 | 0 |
| 419 HALLWAY | 3 | 70.3 | 50.9 | 606 | 1 | 12 | 0 |
| 432 | 0 | 73.0 | 50.6 | 525 | 1 | 11 | 0 |
| Guideline levels ASHRAE/AIHA | | 68 – 75°F/winter 73-79 °F/summer | 30-60% | Outdoor level + 700 ppm | 9 ppm | 65 ug/m³ | 1 ppm |

Comments: N/A

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

Signature: Date: 5/30/02

05/31/2002 13:24 FAX 212 353 8306 ATC 008/014

CITY_21MC100_009261531

NYC-WTC_000340546

NYC 9/11 Public Portal Document

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



Time: 920 AM LOCATION: PS 89 M DATE: 5/30/02 PROJECT NO:

| Location | Occupants | Temperature (°F) | Relative Humidity (%) | Carbon Dioxide (ppm) | Carbon Monoxide (ppm) | Respirable Particulates (ug/m³) | TVOCs (ppm) |
|---|---|---|---|---|---|---|---|
| 430 | 0 | 72.9 | 49.5 | 732 | 1 | 12 | 0 |
| 428 HALLWAY | 0 | 72.6 | 49.6 | 700 | 1 | 16 | 0 |
| 426 | 1 | 72.2 | 48.7 | 681 | 1 | 12 | 0 |
| HALLWAY BY STAIR #2 | 0 | 72.9 | 49.5 | 691 | 1 | 11 | 0 |
| 410 HALLWAY | 0 | 72.9 | 49.7 | 693 | 1 | 15 | 0 |
| 408 HALLWAY | 0 | 72.3 | 49.4 | 683 | 1 | 17 | 0 |
| NEXT TO ELEVATOR BANK | 0 | 73.1 | 49.7 | 709 | 1 | 10 | 0 |
| 404 | 26 | 73.6 | 50.9 | 1063 | 1 | 10 | 0 |
| 401 HALLWAY | 0 | 73.0 | 49.8 | 721 | 1 | 7 | 0 |
| 402 | 30 | 73.3 | 50.6 | 1231 | 1 | 16 | 0 |
| Guideline levels ASHRAE/AIHA | | 68 – 75°F/winter 73-79 °F/summer | 30-60% | Outdoor level +700 ppm | 9 ppm | 65 ug/m³ | 1 ppm |

Comments: _____

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

Signature: _____ Date: 5/30/02

05/31/2002 13:24 FAX 212 353 8306 ATC 009/014

CITY_21MC100_009261532

NYC-WTC_000340547

NYC 9/11 Public Portal Document

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



Time: 9:41 AM LOCATION: PS 89 DATE: 5/30/02 PROJECT NO:

| Location | Occupants | Temperature (°F) | Relative Humidity (%) | Carbon Dioxide (ppm) | Carbon Monoxide (ppm) | Respirable Particulates (ug/m³) | TVOCs (ppm) |
|---|---|---|---|---|---|---|---|
| 308 | 1 | 70.2 | 50.2 | 714 | 1 | 17 | 0 |
| 310 | 1 | 73.3 | 48.8 | 663 | 1 | 16 | 0 |
| 314 HALL | 0 | 73.0 | 47.8 | 654 | 1 | 10 | 0 |
| 316 | 0 | 73.0 | 47.8 | 516 | 1 | 10 | 0 |
| HALLWAY BY STAIR #2 | 1 | 70.8 | 45.8 | 709 | 1 | 12 | 0 |
| 326 | 0 | 71.7 | 49.1 | 673 | 1 | 11 | 0 |
| 328 | 0 | 71.8 | 47.3 | 578 | 1 | 11 | 0 |
| 330 | 0 | 71.6 | 46.8 | 651 | 1 | 9 | 0 |
| 314 | 0 | 71.4 | 46.9 | 701 | 1 | 8 | 0 |
| 332 | 0 | 71.6 | 46.5 | 698 | 1 | 16 | 0 |
| Guideline levels ASHRAE/AIHA | | 68 – 75°F/winter 73-79 °F/summer | 30-60% | Outdoor level + 700 ppm | 9 ppm | 65 ug/m³ | 1 ppm |

Comments: N/A

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

Signature: [signature] Date: 5/30/02

05/31/2002 13:24 FAX 212 353 8306 ATC 010/014

CITY_21MC100_009261533

NYC-WTC_000340548

NYC 9/11 Public Portal Document

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



Time: 10:00 AM LOCATION: PS 89 DATE: 5/30/02 PROJECT NO:

| Location | Occupants | Temperature (°F) | Relative Humidity (%) | Carbon Dioxide (ppm) | Carbon Monoxide (ppm) | Respirable Particulates (ug/m³) | TVOCs (ppm) |
|---|---|---|---|---|---|---|---|
| 301 | 0 | 71.1 | 46.3 | 711 | 1 | 12 | 0 |
| 301 HALLWAY | 0 | 73.6 | 49.4 | 737 | 1 | 8 | 0 |
| 302 | 0 | 73.4 | 48.2 | 724 | 1 | 17 | 0 |
| HALLWAY NEXT TO ELEVATOR BANK | 0 | 70.3 | 46.3 | 695 | 1 | 18 | 0 |
| 304 | 0 | 70.6 | 47.1 | 710 | 1 | 12 | 0 |
| HALLWAY NEXT TO ELEVATOR BANK | 0 | 70.8 | 47.2 | 707 | 1 | 11 | 0 |
| 306 | 0 | 70.9 | 46.5 | 684 | 1 | 12 | 0 |
| 308 HALLWAY | 0 | 70.6 | 46.6 | 678 | 1 | 11 | 0 |
| 315 HALLWAY | 0 | 70.5 | 46.3 | 701 | 1 | 11 | 0 |
| 315 GYM | 0 | 68.7 | 45.6 | 657 | 1 | 9 | 0 |
| Guideline levels ASHRAE/AIHA | | 68 – 75°F/winter 73-79 °F/summer | 30-60% | Outdoor level + 700 ppm | 9 ppm | 65 ug/m³ | 1 ppm |

Comments: _____

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

Signature: Jen Fitzpatrick Date: 5/30/02

05/31/2002 13:25 FAX 212 353 8306 ATC 011/014

CITY_21MC100_009261534

NYC-WTC_000340549

NYC 9/11 Public Portal Document



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

Time: 10:10 AM LOCATION: PS 89 DATE: 5/30/02 PROJECT NO:

| Location | Occupants | Temperature (°F) | Relative Humidity (%) | Carbon Dioxide (ppm) | Carbon Monoxide (ppm) | Respirable Particulates (ug/m³) | TVOCs (ppm) |
|---|---|---|---|---|---|---|---|
| EASTSIDE of Room 208 | 7 | 73.2 | 50.2 | 862 | 1 | 12 | 0 |
| EASTSIDE of Room 201 | 0 | 73.4 | 49.9 | 610 | 1 | 10 | 0 |
| NEXT TO ELECTRICAL CLOSET 2ND FLOOR | 0 | 73.6 | 49.9 | 599 | 1 | 8 | 0 |
| INSIDE Rm 206 | 0 | 73.6 | 49.8 | 526 | 1 | 8 | 0 |
| NEXT TO Rm 224 | 0 | 73.1 | 50.1 | 701 | 1 | 14 | 0 |
| NEXT TO SOUTHSIDE of Room 217 | 0 | 73.4 | 50.3 | 741 | 1 | 11 | 0 |
| NEXT TO Room 217 | 1 | 72.9 | 49.9 | 810 | 1 | 10 | 0 |
| NEXT TO STAIRS #2 2ND FLOOR | 0 | 72.8 | 48.6 | 781 | 1 | 8 | 0 |
| SOUTH END of HALLWAY 2ND FLOOR | 0 | 72.9 | 49.5 | 647 | 1 | 9 | 0 |
| NORTH END of 2ND FLOOR HALLWAY | 0 | 73.5 | 50.6 | 721 | 1 | 13 | 0 |
| Guideline levels ASHRAE/AIHA | | 68 – 75°F/winter 73-79 °F/summer | 30-60% | Outdoor level + 700 ppm | 9 ppm | 65 ug/m³ | 1 ppm |

Comments: _____

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

Signature: [signature] Date: 5/30/02

05/31/2002 13:25 FAX 212 353 8306 ATC 012/014

CITY_21MC100_009261535

NYC-WTC_000340550

NYC 9/11 Public Portal Document



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

Time: 0930 AM LOCATION: PS 89 DATE: 5/30/02 PROJECT NO:

| Location | Occupants | Temperature (°F) | Relative Humidity (%) | Carbon Dioxide (ppm) | Carbon Monoxide (ppm) | Respirable Particulates (ug/m³) | TVOCs (ppm) |
|---|---|---|---|---|---|---|---|
| NEXT TO STAIR #4 | 0 | 71.9 | 47.3 | 706 | 1 | 10 | 0 |
| 219 | 0 | 72.1 | 46.1 | 642 | 1 | 9 | 0 |
| 232 | 0 | 71.9 | 46.8 | 697 | 1 | 10 | 0 |
| 230 | 0 | 72.0 | 48.8 | 828 | 1 | 10 | 0 |
| 217 HALLWAY | 0 | 72.0 | 48.0 | 727 | 1 | 14 | 0 |
| 228 | 1 | 72.4 | 50.0 | 791 | 1 | 13 | 0 |
| 226 | 0 | 72.6 | 49.7 | 783 | 1 | 10 | 0 |
| AUDITORIUM | 0 | 72.3 | 48.9 | 761 | 1 | 11 | 0 |
| 204 | 0 | 73.4 | 50.1 | 1000 | 1 | 10 | 0 |
| 202 | 0 | 73.6 | 49.7 | 891 | 1 | 9 | 0 |
| Guideline levels ASHRAE/AIHA | | 68 – 75°F/winter 73-79 °F/summer | 30-60% | Outdoor level + 700 ppm | 9 ppm | 65 ug/m³ | 1 ppm |

Comments: _____

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

Signature: _____ Date: 5/30/02

05/31/2002 13:25 FAX 212 353 8306 ATC 013/014

CITY_21MC100_009261536

NYC-WTC_000340551

NYC 9/11 Public Portal Document



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

Time: 11 00 AM LOCATION: PS 89 DATE: 5/30/02 PROJECT NO:

| Location | Occupants | Temperature (°F) | Relative Humidity (%) | Carbon Dioxide (ppm) | Carbon Monoxide (ppm) | Respirable Particulates (ug/m³) | TVOCs (ppm) |
|---|---|---|---|---|---|---|---|
| HALLWAY NEXT TO CAFETERIA | 0 | 70.6 | 45.6 | 654 | 1 | 34 | 0 |
| NORTH EXIT | 6 | 72.7 | 46.9 | 698 | 1 | 31 | 0 |
| DANCE ROOM | 0 | 70.9 | 48.4 | 602 | 1 | 16 | 0 |
| CAFETERIA | 1 | 72.4 | 46.1 | 670 | 1 | 17 | 0 |
| HALLWAY BY RM 126 | 1 | 73.1 | 46.8 | 717 | 1 | 26 | 0 |
| 132 A | 0 | 69.7 | 48.5 | 741 | 1 | 27 | 0 |
| 132 B | 0 | 69.6 | 48.6 | 691 | 1 | 26 | 0 |
| 132 C | 0 | 70.1 | 47.9 | 764 | 1 | 19 | 0 |
| 132 D | 0 | 70.1 | 47.8 | 793 | 1 | 18 | 0 |
| SOUTH EXIT | 0 | 73.1 | 46.8 | 801 | 1 | 24 | 0 |
| Guideline levels ASHRAE/AIHA | | 68 – 75°F/winter 73-79 °F/summer | 30-60% | Outdoor level + 700 ppm | 9 ppm | 65 ug/m³ | 1 ppm |

Comments: N/A

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

Signature: K Fitzpatrick Date: 5/30/02

05/31/2002 13:25 FAX 212 353 8306 ATC 014/014

CITY_21MC100_009261537

NYC-WTC_000340552