

FEDERAL EMERGENCY MANAGEMENT AGENCY				O.M.B No. 3067-0151	
PROJECT WORKSHEET - Narrative				Expires April 30, 2001	
DECLARATION NO: FEMA - 1391 -DR- NY	PROJECT NO.	FIPS NO. 061-51000-22	DATE 05/01/02	CATEGORY B	
APPLICANT New York City, Board of Education (BoE)		COUNTY New York			

Indoor Air Monitoring

A total of 13 air-monitoring stations are established throughout the interior of PS 894. A total of 14 tests are conducted per day. Each test lasts approximately four hours, and samples approximately 1,800 liters of air. The station locations, the number of tests conducted, and details of the testing are listed below.

Station Location	Number of Tests	Testing Details
First floor lobby outside the auditorium	2	One sample from 8am-12pm and one sample from 12pm-4pm
Cafeteria- 14 th Floor	1	One sample taken during the school day
Auditorium- 2 nd Floor	1	One sample taken during the school day
Gymnasium- Basement	1	One sample immediately after the last class
Classrooms on the 4 th Floor	1	One sample taken immediately after the last class
Classrooms on the 6 th Floor	1	One sample taken immediately after the last class
Classrooms on the 8 th Floor	1	One sample taken immediately after the last class
Classrooms on the 10 th Floor	1	One sample taken immediately after the last class
Third Floor Hallway	1	One sample taken immediately after the last class
Fifth Floor Hallway	1	One sample taken immediately after the last class
Seventh Floor Hallway	1	One sample taken immediately after the last class
Ninth Floor Hallway	1	One sample taken immediately after the last class
Thirteenth Floor Hallway	1	One sample taken immediately after the last class

Outdoor Air Monitoring

A total of 2 exterior air-monitoring stations are established on the exterior of PS 894. A total of 4 tests are conducted per day. Each test lasts approximately four hours, and samples approximately 1,800 liters of air. The station locations, the number of tests conducted, and the details of the testing are listed below.

Station Location	Number of Tests	Testing Details
Outside by main entrance	2	One sample from 8am-12pm and one sample from 12pm-4pm
Roof	2	One sample from 8am-12pm and one sample from 12pm-4pm

Parameters of Testing

Results from the samples collected each day will be reported verbally no later than 8am the next day to the BoE. A written report will then be submitted by the end of that day that will report the analytical data collected. A plan has been devised in the case that testing results exceed the target levels that are provided below.

Temperature (T)	Summer: 73-79 degrees at 50% RH Winter: 68-75 degrees at 50% RH	ASHRAE 55
Relative Humidity (RH)	30-60%	ASHRAE 55
Carbon Dioxide (CO2)	<700 parts per million (ppm) above background level	ASHRAE 62
Carbon Monoxide	9 ppm	USEPA NPAAQS (as cited in ASHRAE 62)
Total Volatile Organic Compounds (TVOC)	1 ppm	AIHA
Respirable Particulates (PM 25)	65 micrograms per cubic meter of air for general population	USEPA NPAAQS-G USEPA

USEPA= United States Environmental Protection Agency
 NPAAQS= National Primary Ambient-Air Quality Standard
 AIHA= American Industrial Hygiene Association
 ASHRAE= American Society of Heating, Refrigerating, and Air Conditioning Engineers

Contract Costs

The total contract cost from January 21, 2002 to June 30, 2002 is estimated to be \$393,518.92. A letter of explanation from the vendor and specific information pertaining to the ambient air sampling completed at PS 894 is attached to this PW. The following information from the applicant and the applicant's vendor was used to compute the total eligible cost:

The first set of contract costs cover the period from January 21, 2002 to February 11, 2002, a 21-day period. The cost per day for this first section of the contract is \$307.19 per day (see attached letter from the vendor). Additionally, the second set of contract costs cover the period from February 12, 2002 to June 30, 2002, a 139-day period. The cost per day for the second section of the contract is \$2,785.71 per day. The vendor stated that the reason for the increase in cost per day from the first section of the contract to the second section of the contract is that the BoE had requested additional testing stations, tests, and analyticals. The following table demonstrates how the costs in this PW were derived.

Contract Dates	Cost Per Day	Number of Days	Total
01/21/02 to 02/11/02	\$307.19	21	\$6,450.99
02/12/02 to 06/30/02	\$2,785.71	139	\$387,213.69
TOTAL ELIGIBLE		146	\$393,664.68

Percentage of Work Completed

The percentage of work complete was calculated through April 22, 2002. As such, for 91 days of the 160 day period, the work performed by ATC Associates has been completed. The BoE has not been invoiced for these costs, and therefore the dollar amount in this PW is based on an estimate provided by the applicant's vendor, ATC Associates.

91 days/ 160 day period = 90/160 = 57% of the work complete.

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FEMA Form 90-91 (BACK), Sep 98