

**SUMMARY OF THE SCHEDULE FOR CLEANING OF STUYVESANT HIGH SCHOOL
(UPDATED AS OF SEPTEMBER 6, 2002)**

UNIT VENTILATORS / AIR HANDLERS / CENTRAL HVAC DUCTS

Floor	Removal/ Cleaning of Unit Ventilators	Test/Inspect Unit Ventilators	Cleaning of Central HVAC System Ductwork	Cleaning of Air Handlers	General Room Cleaning/ Reinstall Unit Ventilators	Room Inspections/ Wipe Testing	Aggressive Air Testing
11	N/A	N/A	N/A	July 15-18	N/A	N/A	N/A
10	July 15-17	July 18	July 18-22	N/A	July 23-28	July 29-30	August 18
9	July 16-18	July 19	July 19-23	N/A	July 24-29	July 30-31	August 18
8	July 17-19	July 20	July 23-27	July 15-22	July 28-Aug 2	Aug 3-4	August 18
7	July 18-20	July 21	July 23-28	July 17-20	July 29-Aug 3	Aug 2-5	August 18
6	July 19-21	July 22	July 27-Aug 1	July 19-24	Aug 2-7	Aug 8-9	August 18
5	July 20-22	July 23	July 26-Aug 4	N/A	Aug 5-10	Aug 11-12	August 18
4	July 21-23	July 24	July 31-Aug 6	July 19-26	Aug 7-12	Aug 13-14	August 18
3	July 22-24	July 25	July 30-Aug 9	N/A	Aug 10-15	Aug 16-17	August 18
2	July 23-24	July 26	Aug 6-11	N/A	Aug 12-17	Aug 18-19	August 25
1	July 24-26	July 27	Aug 5-16	July 19-26	Aug 17-22	Aug 23-24	August 25
Basement	N/A	N/A	N/A	July 21-28	N/A	N/A	N/A

Blue – Completed
Yellow – In Progress

Other Activities:

Carpet Replacement: Two carpet samples from the auditorium were submitted for ultrasonication analysis for asbestos at EMSL Analytical. Results indicated 60,000 and 2.4 million asbestos structures per sq. cm. in the two samples. The BOE/SCA are currently developing protocol for removal and replacement of carpeting in the auditorium, library, and offices. Request for testing of upholstered seats in auditorium has been made to the Board of Education; response has not yet been received.

**STATUS OF CLEANING OF UNIT VENTILATORS AT STUYVESANT HIGH SCHOOL
(UPDATED AS OF SEPTEMBER 4, 2002)**

Floor	Total Number of Units	Number of Units Cleaned	Number of Units with Post-Cleaning Inspections Completed	Number of Units that Passed Wipe Sampling¹ (Range of Lead Conc. in Passing Samples in ug/ft²)	Number of Units Reassembled	Number of Units Reinstalled	All Room Cleaning Completed	Post-Cleaning Room Inspections Completed	Number of Wipe Samples for Lead Collected on Each Floor/Are there Passing Samples in All Rooms on Floor?² (Range of Lead Conc. in Passing Samples in ug/ft²)	Final Inspection of Entire Floor Completed	Aggressive Air Monitoring Completed	Final Signoff of Floor
10	FM: 30	30	30	30 (<9 – 19.1) a	30	30	Yes	Yes	51/Yes (<9.0 – 11.3) b	Yes	Yes	Yes
	CM: 2	2	2	2 (<9.0)	2	2						
9	FM: 33	33	33	33 (<9.0 – 18) c	33	33	Yes	Yes	53/Yes (<9.0 – 12.2)	Yes	Yes	Yes
	CM: 4	4	4	4 (<9.0)	4	4						
8	FM: 35	35	35	35 (<9.0 – 12.2)	35	35	Yes	Yes	71/Yes (<9.0-18.0)	Yes	Yes	Yes
	CM: 3	3	3	3 (<9.0) e	3	3						
7	FM: 36	36	36	36 (<9.0 – 16.0)	36	36	Yes	Yes	62/Yes (<9.0-12.0)	Yes	Yes	Yes
	CM: 0	--										
6	FM: 33	33	33	33 (<9.0 – 18.3) f	33	33	Yes	Yes	65/Yes (<9.0-16.0)	Yes	Yes	Yes
	CM: 5	5	5	5 (<9.0- 11.8)	5	5						
5	FM: 17	17	17	17 g (<9.0 – 15.1)	17	17	Yes	Yes	97/Yes (<9.0-14.0) k	Yes	Yes	Yes
	CM: 2	2	2	2 (<9.0 - <10.0)	2	2						
4	FM: 35	35	35	35 h (<9.0 – 14.6)	35	35	Yes	Yes	74/Yes (<9.0-12.0)	Yes	Yes	Yes
	CM: 4	4	4	4 (<9.0)	4	4						
3	FM: 28	28	28	28 i (<9.0-13.8)	28	28	Yes	Yes	130/Yes (<9.0-18.6) l	Yes	Yes	Yes
	CM: 7	7	7	7 (<10.0-11.0)	7	7						

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Floor	Total Number of Units	Number of Units Cleaned	Number of Units with Post-Cleaning Inspections Completed	Number of Units that Passed Wipe Sampling ¹ (Range of Lead Conc. in Passing Samples in ug/ft ²)	Number of Units Reassembled	Number of Units Reinstalled	All Room Cleaning Completed	Post-Cleaning Room Inspections Completed	Number of Wipe Samples for Lead Collected on Each Floor/Are there Passing Samples in All Rooms on Floor? ² (Range of Lead Conc. in Passing Samples in ug/ft ²)	Final Inspection of Entire Floor Completed	Aggressive Air Monitoring Completed	Final Signoff of Floor
2	FM: 17	17	17	17 j (<9.0-9.6)	17	17	Yes	Yes	166/Yes (<9.0-17.0)	Yes	Yes	Yes
	CM: 7	7	7	7 (<9.0-<10)	7	7						
1	FM: 0	--	--	--			Yes	Yes	131/Yes (<9.0-20.0)	Yes	Yes	Yes
	CM: 7	7	7	7 (<10.0-12.0)	7	7						
B	FM/CM: 0	--	--	--	--	--		Yes	39/No m (<9.0-18.0)	Yes	Yes	Yes

FM = Floor-mounted unit ventilators
CM = Ceiling-mounted unit ventilators

- ¹ One surface wipe sample for analysis of lead is collected from each unit ventilator. If the lead concentration is at/or below a screening level of 20 micrograms per square foot, the unit passes.
- ² Two surface wipe sample for analysis of lead are collected from horizontal surfaces in each room. If the lead concentration is below a screening level of 20 micrograms per square foot, the room passes.
- a** Three unit ventilators on the 10th floor contained between 22.3 and 26.2 ug/sq. ft. of lead after initial cleaning. Units were re-cleaned and retested and were all less than 20 ug/sq. ft. of lead.
- b** One floor sample from the 10th floor contained 23.4 ug/sq. ft. of lead. The area was re-cleaned and re-sampled and found to contain less than 20 ug/sq.ft of lead.
- c** Four unit ventilators on the 9th floor contained between 22.3 and 90.3 ug/sq.ft. of lead after initial cleaning. Units were re-cleaned and re-tested and found to contain less than 20 ug/sq.ft. of lead.
- e** Three ceiling unit ventilators on the 9th floor contained between 30.5 and 35.5 ug/sq.ft. of lead after initial cleaning. Units were re-cleaned re-tested and were found to contain less than 20 ug/sq.ft.of lead.
- f** Three unit ventilators on the 6th floor contained between 24.4 and 30.1 ug/sq.ft. of lead after initial cleaning. Units were re-cleaned and re-tested and found to contain less than 20 ug/sq. ft. of lead.
- g** Four unit ventilators on the 5th floor contained between 20.3 and 32.5 ug/sq.ft. of lead after initial cleaning. Units were re-cleaned and re-tested and found to contain less than 20 ug/sq.ft. of lead.
- h** Two unit ventilators on the 4th floor contained 23.4 and 26.5 ug/sq.ft. of lead after initial cleaning. Units were re-cleaned and re-tested and found to contain less than 20 ug./sq. ft. of lead.
- i** One unit ventilator on the 3rd floor contained 38.8 ug/sq. ft. of lead after initial cleaning. Unit was re-cleaned and re-tested and found to contain below 20 ug./sq. ft. of lead.
- j** One unit ventilator on the 2nd floor contained 20.1 ug/sq. ft. of lead after initial cleaning. Unit was re-cleaned and re-tested and found to contain below 20 ug./sq. ft. of lead.
- k** Two surface wipe samples on the fifth floor contained 24.2 and 32.0 ug/sq. ft. of lead. The areas were re-cleaned and re-sampled and found to contain less than 20 ug/sq.ft of lead.
- l** Eight surface wipe samples on the fifth floor contained lead concentrations between 23.4 and 110 ug/sq. ft. of lead. The areas were re-cleaned and re-sampled and found to contain less than 20 ug/sq.ft of lead.
- m** Wipe samples collected from the floor and from a painted pipe in a gas meter room in the basement had lead concentrations from 32.2 to 480 ug/sq.ft. after repeated cleaning and re-testing. The paint covering the floor in that room was tested and found to contain 18 percent lead, which is classified as a lead-based paint. In response to this finding, additional paint sampling was conducted in all other rooms and the hallway in the basement for lead content. All other paint in the basement was found to not be lead-based paint.

**STATUS OF CLEANING OF CENTRAL HVAC SYSTEMS AT STUYVESANT HIGH SCHOOL
(UPDATED AS OF SEPTEMBER 4, 2002)**

Floor	Air Handling Units			HVAC System Ductwork		
	Number of AHUs (AHU #)	Number of AHUs Cleaned	Number of AHUs that Passed Wipe Testing Sampling ^a (Range of Lead Conc. in ug/ft ²)	Ductwork Cleaning Completed	Number of Duct Wipe Samples Collected/Number of Samples that Passed ^b (Range of Lead Conc. in Passing Samples in ug/ft ²)	Aggressive Air Monitoring Completed
11	2 (AHUs 1, 2)	2	2 (7.6 - <9.0)	--	--	--
10	0	--	--	Yes	13/13 (<4.5 – 37.4)	Yes
9	0	--	--	Yes	4/4 (<9.0) e	Yes
8	4 (AHUs 7, 8, 9, 14)	4	Yes (<9.0)	Yes	9/7 (<9.0 – 26.7) c	Yes
7	1 (AHU 10)	1	Yes	Yes	9/7 (<9.0 – 21.6) d	Yes
6	2 (AHUs 11, 13)	2	2 (<9.0-<10.0)	Yes	6/6 (<9.0 – 17.2)	Yes
5	0	--	--	Yes	4/4 (<9.0) e	Yes
4	2 (AHUs 3, 4)	2	2 (<10.0)	Yes	4/4 (<10.0-14.0) e	Yes
3	0	--	--	Yes	6/6 (<9.0)	Yes
2	2 (AHUs 5, 6)	2	2 (<10.0)	Yes	6/6 (<6.0-14.7)	Yes
1	1 (AHU 12)	1	1 (<9.0)	Yes	17/16 (<9.0-10.0) f	Yes

**STATUS OF CLEANING OF CENTRAL HVAC SYSTEMS AT STUYVESANT HIGH SCHOOL
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B	1 (AHU 15)	1	1 (<10)	Yes	3/3 ($<9.0-15.1$) e	Yes
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- a** One surface wipe sample for analysis of lead is collected from the supply liner/louver/damper and one sample from the return liner/louver/damper in each AHU. If the lead concentration is below a screening level of 20 micrograms per square foot, the unit passes. In a few systems, the return liners were not accessible for sampling and only the supply side could be sampled.
- b** A minimum of three surface wipe sample for analysis of lead are collected from supply ducts and three wipe samples from return ducts on each floor. If the lead concentration is below a screening level of 40 micrograms per square foot, the ducts pass.
- c** Two duct samples on the 8th floor were found to contain lead at 85.3 and 145.7 ug/sq.ft. Areas were re-cleaned and re-tested and found to be below 40 ug/sq.ft. for lead.
- d** Two duct samples on the 7th floor were found to contain lead at 49.3 and 677.6 ug/sq.ft. Areas were re-cleaned and re-tested and found to be below 40 ug/sq.ft. for lead.
- e** For some floors, SCA reported that the collection of wipe samples from the return system was limited by the configuration of the return ductwork.
- f** One duct sample on the 1st floor was found to contain lead at 79.0 ug/sq.ft. The area was re-cleaned and re-tested and found to be below 40 ug/sq.ft. for lead.