NYC 9/11 Public Portal Document

FROM:
George - Taylor Env.

TO:
kmckinne@health.nyc.gov

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DATE:
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SUBJECT:
Stuy HS Summary of work.

10.2.02

Kelly R McKinney PE
Associate Commissioner, Environmental Health
NYC Department of Health and Mental Hygiene
125 Worth Street,Room 616
New York,NY 10013

Re: Stuyvesant High School
345 Chambers Street
New York, NY.

Dear Mr.McKinney

As requested please find enclosed summary of all work performed at the aforementioned facility.
(7.13.02-8.31.02)

Cleaning and Testing of Unit Ventilators

Kiss Construction Inc.(KCI) performed environmental cleaning of all wall and ceiling mounted Unit Ventilators within the facility. This cleaning work was performed within tent enclosures under negative pressure. Each Unit Ventilator was visually inspected by Taylor Environmental Group,Inc.(TEG) and if found to be free of visible dust/debris a wipe sample was collected from the Unit Ventilator to be tested for lead. If sample results indicated a lead concentration exceeding the NYC Board of Education/NYC School Construction Authority ("NYC SCA") clearance level of 20 ug/sq.ft.then the Unit Ventilator was re-cleaned and re-tested.

Air Monitoring-

During the cleaning of the Unit Ventilators within each tent enclosure, TEG performed personal (OSHA) air monitoring on KCI's personnel working within each tent, in addition to ambient area monitoring outside each tent. Personal and area samples were analyzed for lead via NIOSH Method 7082, and the results of all samples collected indicated airborne lead concentrations below the current OSHA action level of 30 ug/m3.

2. HVAC System Wipe Sample Testing

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At the conclusion of all HVAC/Duct cleaning (performed by the HVAC Cleaning Contractor) on each floor, TEG collected wipe samples from the return and supply ducts within each zone to be analyzed for lead via EPA Method SW846-7420. (Clearance level of 20 ug/sq.ft.)

In addition wipe samples to be analyzed for lead were collected from the air handling units for HVAC systems one (1) through fifteen (15) after they had been cleaned by the HVAC Cleaning Contractor. (Clearance level of 20 ug/sq.ft.).

3. General Cleaning

At the conclusion of all Unit Ventilator and HVAC/Duct related cleaning work on each floor of the facility, KCI performed general cleaning in each functional space on the entire floor. At the conclusion of the general cleaning a visual inspection was performed by TEG and a representative from the NYC SCA. If the visual inspection was successful then TEG collected two (2) wipe samples from each functional space within that floor to be analyzed for lead via EPA Method SW846-7420.(Clearance level of 20 ug/sq.ft.).

4. Final Clearance Air Monitoring

At the conclusion of all the aforementioned work performed on each floor, final clearance air monitoring was conducted according to the following table:

Sample Type

Analytical Methodology

Number of Samples Collected Per Floor

Airborne Asbestos

Transmission Electron Microscopy AHERA Protocol

10

Airborne Lead

NIOSH 7082

5

All final clearance air monitoring was performed using aggressive techniques through the use of leaf-blowers and 20 " box fans.(Airborne asbestos clearance level 70 as/mm2 , Airborne lead clearance level 1.5 ug/m3 or below detection limit (bdl)).

5. Evaluation of Carpet Contamination and Testing

In the Auditorium, Library, Secretary's Office (Room 105), Principal's Office and Conference Room, a procedure was performed to evaluate the levels of airborne asbestos fibers that could result from vacuuming the carpet using standard commercial vacuums. This procedure was performed by KCI inside a tent enclosure whilst TEG performed air monitoring. Air samples were collected inside and outside of the tent enclosure(s) and were analyzed for airborne asbestos (TEM AHERA Protocol).

Auditorium and Secretary's Office (Room 105) Carpet Removal

The carpet in the Auditorium and Room 105 was removed by KCI inside a full enclosure under negative pressure utilizing asbestos abatement procedures. While the carpet was being removed TEG collected air samples inside and outside of the full enclosure(s) which were

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analyzed for airborne asbestos fibers (TEM AHERA Protocol). After the carpet was removed a thorough visual inspection was performed by TEG in order to verify that no dust/debris remained inside the full enclosure.

TEG performed final air clearance monitoring inside and outside the full enclosure(s) using aggressive techniques and the post abatement samples collected were analyzed for airborne asbestos (TEM AHERA Protocol).

I hope we have satisfactorily assisted you in your environmental health concerns. If you have any questions, or require any further information, please do not hesitate to call.

Regards

George Taylor

Vice-President, Taylor Environmental Group,Inc.

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