

INTRODUCTION:

UEC was contracted by Perkins Eastman to conduct the following services at the Lowell High School, Lowell, MA. Inspections and sampling were performed September-October 2016 and April 2017.

- Asbestos Containing Materials (ACM) determination inspection and sampling;
- Polychlorinated Biphenyls (PCB's)-Electrical Equipment and Light Fixtures inspection;
- PCB's Caulking Inspection;
- Lead Based Paint (LBP) inspection;
- Mercury in Rubber Flooring inspection and sampling;
- Airborne Mold inspection and sampling;
- Radon sampling;

FINDINGS:**Asbestos Containing Materials (ACM)**

The majority of ACM found during the survey are considered non-friable and were found to be in good condition.

1. Lab table was found to contain asbestos.
2. Glazing caulking for borrowed lite was found to contain asbestos.
3. Light grey/white vinyl floor tile was found to contain asbestos.
4. Vinyl floor tile and mastic were found to contain asbestos.
5. Sink damproofing was found to contain asbestos.
6. Glue daub for ceiling plaster was found to contain asbestos.
7. Glazing caulking for vision lite in metal door was found to contain asbestos.
8. Vertical white caulking in CMU wall was found to contain asbestos.
9. Exterior transite panel was found to contain asbestos.
10. Exterior door framing caulking was found to contain asbestos.
11. Exterior residue door framing caulking on brick was found to contain asbestos.
12. Glue holding blackboard was assumed to contain asbestos.
13. Pipe insulation was assumed to contain asbestos.
14. Stage fire curtain was assumed to contain asbestos.
15. Glue holding tectum deck at the pool building was assumed to contain asbestos.
16. Exterior flashing protruding from foundation was found to contain asbestos.
17. Underground sewer pipes were assumed to contain asbestos.
18. Roofing materials were assumed to contain asbestos.
19. Damproofing on exterior and foundation walls was assumed to contain asbestos.

Polychlorinated Biphenyls (PCB's)-Electrical Equipment and Light Fixtures

Ballasts in light fixtures were assumed not to contain PCB's. Tubes in light fixtures, thermostats, signs and switches were assumed to contain mercury.

PCB's in Caulking:

Building materials and caulking were assumed to contain PCB's in all areas constructed prior to 1978.

Lead Based Paint (LBP):

LBP was assumed to exist on painted surfaces in all areas constructed prior to 1978.

Mercury in Rubber Flooring:

Rubber flooring indicated the presence of mercury.

Airborne Mold:

Based on comparisons with historical data from projects of similar type, building utilization, geographic location and season, indoor airborne levels are considered acceptable.

Radon:

The measured radon concentrations of most of the samples were found to be lower than the EPA guideline of 4 picoCuris of radon per liter of air (pCi/L).