

Haverhill Public Schools
4 Summer Street
Haverhill, MA 01830-5877

RE: St. James Elementary School

Recommendations to LEA

- A. All Custodial and Maintenance Staff should be provided with a 2 Hr. Awareness Training Program in which asbestos uses and forms, information pertaining to health effects of asbestos, the location of asbestos in the schools, recognition of damage and the AHERA regulations is discussed.
- B. The Designated Person should be provided with additional training to update their knowledge regarding health effect of asbestos exposure, detection, identification and assessment of ACM, options for controlling ACM, asbestos management programs and relevant federal and state regulations.
- C. Warning labels should be attached immediately adjacent to friable ACM in routine maintenance spaces.
- D. All documentation pertaining to response actions, training, surveillance, notification etc., as required by AHERA should be maintained in the Management Plan.
- E. A program of periodic surveillance should be instituted where all known ACM is checked at least every 6 months.
- F. All known friable asbestos containing material should be maintained in an intact condition until such time as the material is removed. This will require:
 - 1. The insulator rods in the univents should be encapsulated until they can be removed. The insulator rods are in the control access panels and easily accessible.
 - 2. The Thermal System Insulation (TSI) on the breeching in the boiler room should be spot repaired with re-wettable glass cloth and lag coat.
 - 3. The Water Tank should also be repaired with re-wettable glass cloth and lag coat with particular attention to delamination. All debris should be cleaned up.

4. The 9" x 9" Vinyl Asbestos Floor Tile (VAT) should be kept well waxed. This will help to keep a seal coat on the material and minimize breakage.
5. The 4" cove base and associated mastic should be sampled and positively identified as either asbestos containing or non-asbestos containing. If the material is asbestos containing then an abatement project should be designed by a licensed and certified Asbestos Abatement Designer and the material removed or covered with 6" cove base and mastic at approximately \$1.00 per linear foot.
6. The 2' x 4' and 1' x 1' Acoustic Ceiling Tile should be sampled and positively identified as either asbestos containing or non-asbestos containing. If the material is asbestos containing then the damaged tile should be maintained in an undamaged condition.
7. The boiler in the St. James Elementary School is no longer being used. There are presently "Multitemp" Furnaces being used. If there are no future plans for the boiler the system should be removed.

Costs associated with item F is as follows:

Abatement costs for the removal of TSI rods within the univents would be approximately \$1,500.00. The abatement project in the boiler room would be approximately \$10 – 15,000.00 dependent on the extent of the removal. However, this cost could vary dependent upon the total amount of material and time required to perform the abatement activities for the entire school system.

Bulk sample analysis cost is \$25.00 per sample however there would be a cost for the inspector to collect samples. Again, this cost would be dependent upon the total number of samples required to be collected in the entire school system.