Name of Planner: Randall D. Smyth

Accreditation # 00687 MAIC University of Illinois

AHERA Section 763.93 (e)(12). Michigan is in the process of adopting an accreditation plan. In the interim, the consultants listed in this report have been accredited in accordance with the University of Illinois, School of Public Health, Midwest Asbestos Information Center training, as recognized by Region V EPA.

signature

9-7-88

date
September 22, 1988

Mr. James P. Sneathen, Designated Person
North Park Elementary School
3375 Cheney NE
Grand Rapids, MI 49505

Letter of recommendation for ACM found
in the North Park Elementary School

Dear Mr. Sneathen:

The following recommendations are made for the ACM found in your buildings. You have certain options regarding these materials and recommendations (see our LEA response action decision sheet form 90B). We have provided a convenient format below for you to mark your decisions. For those situations in which you would decide to take a more aggressive approach (i.e. removal) or for those recommendations with which you would disagree, please mark the appropriate box and give an explanation in writing within 10 days. Costs are estimates. We recommend that you use your 16-hour trained employee (APM - asbestos program manager) for all rewrap/repairs needed. If you choose an outside contractor, it will necessitate a project designer (7% or $500 minimum) & independent air monitoring for clean air checking ($500 per day). See Forms 84B & 93J. Please note the initial cleaning procedures required under O & M. See Form 91E. The repair work listed may begin immediately, but must be completed by dates listed below.

North Park Elementary School

AGREE  DISAGREE

1. There is about 700 linear feet of pipe wrap which is assumed to be ACM in the boiler room of the 1908 original building. This material is nonfriable except for the damage listed below. We recommend O & M for the undamaged material.

2. Damage to the insulating material described above is as follows:
   * one large elbow and three linear feet of pipe wrap is damaged on the yellow line.
   * two open ends on the blue line running below the yellow line
   * valve 47 over the circulation pump has open ends
   * 4 damaged areas where yellow pipe has been cut along the west wall

We recommend that the damaged material be rewrapped /repaired by accredited personnel. Estimated cost is $165. Completion date to be no later than September 1, 1989.
Management Plan Recommendations for Grand Rapids Public Schools
Page 2 of 4

North Park Elementary School - continued

AGREE DISAGREE

( ) ( ) 3. There is 50 linear feet of pipe wrap running 20 feet off of the floor in the coal bunker of the 1908 building. This material is assumed to be ACM. There are 11 friable open ends on this material. We recommend that the friable material be rewrapped / repaired by accredited personnel. Estimated cost is $165. Completion date to be no later than September 1, 1989. We recommend O & M for the undamaged material.

( ) ( ) 4. On the south wall of the coal bunker is about 100 feet of pipewire with 3 damaged elbows in the southeast corner and 2 feet of damaged air cell pipewire. This material is assumed to be ACM. We recommend that the damaged material be rewrapped / repaired by accredited personnel. Estimated cost is $75. Completion date to be no later than September 1, 1989. We recommend O & M for the undamaged material.

( ) ( ) 5. In the south tunnel under the gym and both ends of the 1908 building is 600 linear feet of pipe wrap which is assumed to be ACM. There is much pipe insulation debris on the floor of this tunnel. This material is significantly damaged. IMMEDIATE ATTENTION REQUIRED: Access to this area must be restricted and the instructions from Form 91B must be followed. We recommend that the pipe insulation from this area be removed by an accredited abatement contractor. Estimated cost is $115,000. Completion date to be no later than September 1, 1990.

( ) ( ) 6. The south tunnel under the teachers' lounge has 10 linear feet of open friable packing on the wrap at the west end. This material is assumed to be ACM. We recommend that the friable material be rewrapped / repaired by accredited personnel. Estimated cost is $100. Completion date to be no later than September 1, 1989.

( ) ( ) 7. The crawl space under the 1952 addition has 150 linear feet of pipe wrap which is assumed to be ACM. Nonfriable. We recommend O & M.

( ) ( ) 8. The crawl space under the 1948 addition has 100 linear feet of pipe wrap which is assumed to be ACM. Nonfriable. We recommend O & M.

( ) ( ) 9. The tunnel in the 1948 addition has 88 linear of pipewire which is assumed to be ACM. This material is nonfriable except for the damage listed below. We recommend O & M for the undamaged material.
10. Damage to the insulating material described above is as follows:
   * At the floor entrance, there is one foot of pipe wrap with a hole in it
   * The material at this location also has potential for damage from maintenance personnel entering the tunnel.
   
   We recommend that a short section around the damaged area be removed by properly trained accredited personnel and replaced with a non-asbestos material. The purpose of this small scale removal is to prevent the recurrent fiber release caused by damage to this material.
   Estimated cost is $100. Completion date to be no later than September 1, 1990.

11. There are two pipes in the gym storage room which have (each) 10 feet air cell pipe wrap on them. Each of these pipes have an open, friable end on the top of the pipe wrap. We recommend that the friable material be rewrapped /repaired by accredited personnel. Estimated cost is $30. Completion date to be no later than September 1, 1989. We recommend O & M for the undamaged material.

12. The PTA room has 20 linear feet of pipe wrap which is assumed to be ACM. Nonfriable. We recommend O & M.

13. The gym storage room on the south end has ten feet of pipewrap (on a riser) which has been cut on the backside to fit against the wall. This material is friable. We recommend that the damaged material be rewrapped /repaired by accredited personnel. Estimated cost is $50. Completion date to be no later than September 1, 1989.

14. There is a roof drain on the south end of the gym with 10 linear feet of pipe wrap (and 1 elbow) assumed to be ACM. Nonfriable. We recommend O & M.

15. There is 88 linear feet of pipe wrap in the cafeteria of the 1948 addition. This material is nonfriable except for the damage listed below. We recommend O & M for the undamaged material.

16. There are 6 friable open ends on the pipe wrap at the north end of the cafeteria. We recommend that the friable material be rewrapped /repaired by accredited personnel. Estimated cost is $90. Completion date to be no later than January 31, 1989.
17. There is 88 linear feet of pipe wrap in the tunnels under rooms #18, 22, and the restrooms of the 1948 addition. The pipe wrap is falling off of the pipes. This material is significantly damaged. IMMEDIATE ATTENTION REQUIRED: Access to this area must be restricted and the instructions from Form 91B must be followed. We recommend that the pipe insulation from this area be removed by an accredited abatement contractor. Estimated cost is $2,640. Completion date to be no later than September 1, 1990.

18. There is a roof drain on the south end of the gym with a 1 elbow. The pipewrap is coming off the roof drain. We recommend that the damaged wrap be rewrapped/repai red by accredited personnel. Estimated cost is $50. Completion date is to be no later than September 1, 1989.

19. The floor tiles (10,304 sq. ft.) are assumed to be ACM and are nonfriable. These tiles are not to be damaged, drilled, sanded, ground, or handled in any way which will disturb material so as to release fibers. O & M recommended.

20. The insulation in fire doors throughout this building is assumed to be ACM. These doors are not to be sanded, drilled, or handled in anyway which will disturb material so as to release fibers. O & M Recommended.

21. Boiler gaskets and fire bricks are assumed to be ACM unless otherwise noted above. These materials are nonfriable and are not to be disturbed in any way which will release fibers. We recommend O & M.

Additional Comments: There may be ACM located behind barriers that we do not know about. It is our recommendation that your APM or the Designated Person be on hand when major demolition occurs.

I, as the Designated Person, have read the recommendations, considered that the LEA has the financial resources needed to accomplish the recommendations (includes reinspection and training (form 93H)), checked the appropriate boxes, and responded accordingly as per your opening paragraph. All projects are subject to budget approval and funding appropriations by the Board of Education.

James P. Sneathen 3/2/89
Randall D. Smyth Cert: MAIC #00687
Prioritization Sheet for Management Plan of Recommendations
Page 1 of 1

North Park Elementary

The following gives the priority schedule for each friable material needing attention. The items are listed in the preceding management plan. Please be reminded that we have given dates for completion of said actions.

1. Top Priority Items: **Immediate Attention Required:**
   These areas are to be isolated and only entered by trained personnel using protective equipment.
   - Items 5, 17

2. Student/teacher traffic areas where there is friable ACM material requiring repair.
   - Items 13, 16, 18

3. Maintenance staff traffic areas where there is friable ACM material requiring repair.
   - Items 2

4. Non-traffic areas where there is friable ACM material requiring repair.
   - Items 6, 10

**IN ALL BUILDINGS: ALL FIRE BRICK, FIRE DOORS, AND THERMAL SYSTEM GASKETS ARE ASSUMED ACM UNLESS OTHERWISE STATED. NONFRIABLE. O&M RECOMMENDED.**
GRAND RAPIDS NORTH PARK ACM SUMMARY 1 OF 2

ACM SUMMARY REPORT NORTH PARK ELEMENTARY SCHOOL

NORTH PARK ELEMENTARY SCHOOL

THERMAL SYSTEM INSULATION

AREA 1 - 1908 ORIGINAL BUILDING

Boiler Room

A. Pipe Wrap & Elbows, Assumed ACM Non Friable - The Boiler Room has
Estimated 700 Linear Feet, Coal Bunker 150 Linear Feet, Tunnels
Estimated 600 Linear Feet, gym storage room has 20 Linear Feet, The PTA
room has 20 lin ft of pipewrap, The gym storage Storage RM on the south
end, has 10 Linear Feet,
* - There is 1 large elbow on the yellow line that is damaged in the
Boiler Room, an estimated 3 linear feet of wrap.
* - The blue line running below the yellow has 2 open ends in Boiler
Room, Friable.
* - Valve 47 over the circulation pump has open ends, Friable in Boiler
Room.
* - Along the west wall on the yellow pipe are 4 Damaged areas where
there are cuts in Boiler Room.

Coal Bunker
* - There are 50 lin ft of pipewrap running 20 ft off the floor, with 11
open ends, Friable in Coal Bunker.
* - On the south wall are 4 pipes about 25 ft long (100 ft pipewrap)
with 3 damaged elbows in the southeast corner in Coal Bunker.
* - Along the south wall, the pipewrap has 2 ft of damaged air cell in
Coal Bunker.

Tunnel
* - The south tunnel under the gym and both ends of the 1908 building
have AS-ACM debris on the floor along the tunnel which is 192 lin ft
long. There are 3 pipes running the length (est 600 lin ft),
Significant Damage,
* - The south tunnel under the teachers lounge has 10 ft of open,
Friable packing on the wrap at the west end.

* The gym storage room, on the south end, has 1 ten feet riser with
pipewrap cut on the back to fit against wall, this is open and
Friable. There is a Pipe Wrap coming off the roof drain on the
south end of the gym with 10 Linear Feet.

B. Assumed Non Friable Roof Drain and Elbows - There is a roof drain on the
south end of the gym with 1 elbow. There is a Pipe Wrap coming off the
roof drain on the south end of the gym with 10 Linear Feet. Damaged
NORTH PARK ELEMENTARY SCHOOL Continued

THERMAL SYSTEM INSULATION Continued

AREA II - 1948 ADDITION

Cafeteria
A. Pipe Wrap & Elbows, Assumed ACM Non Friable - Cafeteria 88 Linear Feet, Tunnel 88 Linear Feet, The crawlspace under the 1948 addition has 100 lin ft of pipewrap.
   * - 6 open ends on the north end where repairs have been made, Friable, Tunnel
   * - Under rooms 18, 22, and the restrooms are 88 lin ft of pipewrap which is falling off the pipes along the tunnel with a great amount of it being under the restrooms, Significant Damage.
   * - At the floor entrance is 1 ft of Damaged pipewrap with a hole. It has a Potential for Damage because of repair men entering the tunnel.

AREA III - 1952 ADDITION

A. Pipe Wrap & Elbows Assumed ACM Non Friable - Crawl Space under 1952 Addition has 150 Linear Feet.

MISCELLANEOUS MATERIALS

Areas I - III

A. Floor Tile Assumed ACM Non Friable - All floor tile in the school is check the Floor Tile Sheet for location, 10,304 sq ft

All fire bricks, fire doors and thermal systems gaskets are assumed ACM unless otherwise stated.
Please identify all areas in each building that contain 9x9 or 12x12 inch floor tile. (If it is easier to identify the areas that do not contain floor tile, you may do so, but please clearly label it as such).

Building:
North Park El. School
3375 Cheney, NE
Grand Rapids, MI 49505

TILE: Ground Floor:
Cafeteria
Kitchen
South corridor and stair landing
South end of crawl space
Rooms 1 & 2

1st Floor:
South & North corridors
Rooms 3-8
Custodial Office and storage room
Principals office
Office south of principals office
Secretary's office
Restroom south of Room 18
Rooms 17-22

2nd Floor: NONE
Please identify all locations in each building by room number and/or areas that contain a Fire Barrier, or Fire Door (ie. H.S.-Boiler Room doors, Storage Room doors in Room 38, 17 and the Chem. Lab.)

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<table>
<thead>
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<tbody>
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<td>Boiler Room</td>
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