

EXECUTIVE SUMMARIES

During the course of the inspection at the Hill and Plain Elementary School, five (5) material types were sampled and analyzed for asbestos content. These samples represented materials that were previously assumed to be ACM and were sampled to determine the actual asbestos content of the material or previously not identified during the initial inspection.

The following materials were sampled and analyzed for asbestos content:

<u>Material</u>	<u>Location</u>	<u>Status</u>	<u>Result</u>
1. Mud Pack Fittings	1962 pipe tunnel	previously assumed	3% Chrysotile
2. Mud Pack Fittings	Office Area (ADC)	newly identified	Negative
3. 9" x 9" floor tile	Throughout	previously assumed	2% Chrysotile
4. 12" x 12" floor tile	Throughout	previously assumed	Negative
5. 12" x 12" floor tile mastic	Throughout	previously assumed	Negative

No additional ACM was identified.

During the course of the three-year reinspection, a total of two areas were assessed differently from the original inspection. These areas represented areas where the condition of the ACM had changed or deteriorated. These areas include the following locations:

1. 1962 pipe tunnel Elbow mud-pack fittings
2. Throughout 9" x 9" VAT

There are approximately 17 fittings which are recommended removal in the 1962 pipe tunnels. There are some areas of 9" x 9" VAT that have been removed or covered with carpeting.

A tentative start and completion date is also included in the last column of the Reinspection Form 2. The cost associated with the abatement of the ACBM noted as being damaged or significantly damaged is given in the following cost estimates. These line items are also prioritized.

ABATEMENT COST ESTIMATES

<u>ACBM Qty/ Location</u>	<u>Response Action</u>	<u>Estimated Contractor Cost</u>	<u>Estimated Consultant Fees</u>	<u>Total</u>
1. 1962 pipe tunnel/17 fittings	4	\$1100		

Consulting Fees

It is estimated that approximately \$500 will be required for project monitoring. An additional consulting fee of approximately \$500 should be budgeted for AHERA required project design, associated contract administration, and project management.

It should be noted that only locations with assessments of 1 through 5 are recommended for abatement.

EPA CERTIFICATION REQUIREMENTS

The certificates of the individuals involved in conducting the inspections and preparing the management plan update are appended to this document.

School Hill + Plain Elementary Building 1962 with 1986 Addition Date(s) of Original AHERA Inspection March 1-6, '90

Homogeneous sampling areas		Material category	Asbestos content	Fraility	AHERA assessment category (1-7, X, None)	Recorded locations of material for each assessment category	Response actions taken/renovations/other comments
A(1)	Plumbing + Floor Breeding	TSI Surf. Misc.	Assumed Yes <input checked="" type="radio"/> No <input type="radio"/>	F <input checked="" type="radio"/> NF <input type="radio"/> X <input type="radio"/>	None	Boiler Room	Non - ACBM
A(2)	Asbestos - Cement elbows + fittings 305 - 550	TSI Surf. Misc.	Assumed Yes <input type="radio"/> No <input checked="" type="radio"/>	F <input type="radio"/> NF <input checked="" type="radio"/> X <input type="radio"/>	7	1962 Section Pipe Tunnels	Sampled for asbestos removed in duct in diagram
C(1)	2x4' Layment ceiling tile 33,885 SF	TSI Surf. Misc.	Assumed Yes <input type="radio"/> No <input checked="" type="radio"/>	F <input type="radio"/> NF <input checked="" type="radio"/> X <input type="radio"/>	None	1962 Section	Non - ACBM
C(2)	2x4' Layed-in ceiling tile 3,960 SF	TSI Surf. Misc.	Assumed Yes <input type="radio"/> No <input checked="" type="radio"/>	F <input type="radio"/> NF <input checked="" type="radio"/> X <input type="radio"/>	None	1986 Section	Non - ACBM
C(3)	ACBM Transit Soft 4400 SF	TSI Surf. Misc.	Assumed Yes <input checked="" type="radio"/> No <input type="radio"/>	F <input checked="" type="radio"/> NF <input type="radio"/> X <input type="radio"/>	X	Along the exterior edge of the school	1995 SF removed during Spring '92
C(4)	Viny/Asbestos Floor tile 9'x9" 30,385 SF	TSI Surf. Misc.	Assumed Yes <input type="radio"/> No <input checked="" type="radio"/>	F <input type="radio"/> NF <input checked="" type="radio"/> X <input type="radio"/>	X	1962 section	Sampled for asbestos removed in duct in diagram. See diagram.

Information abstracted by Agnie Wlasse Date May 28, '93

Fraility: F = friable, NF = nonfriable, X = not applicable (material is non-ACBM)
 AHERA assessment category: 1 = Damaged or significantly damaged TSI ACBM, 2 = Damaged friable surfacing ACBM, 3 = Significantly damaged friable surfacing ACBM, 4 = Damaged or significantly damaged friable miscellaneous ACBM, 5 = ACBM with potential for damage, 6 = ACBM with potential for significant damage, 7 = Any remaining friable ACBM or friable suspected ACBM, X = not applicable (material is non-ACBM or nonfriable surfacing or miscellaneous material). None = No assessment category provided in original inspection.

290' 1' 9" ASB GFN
 4' x 4' 9"

School Hill Plain Elementary Building 1962 with 1986 Addition Date(s) of Original AHERA Inspection March 1-6, '90

Homogeneous sampling areas		Material category	Asbestos content	Fraility	AHERA assessment category (1-7, X, None)	Recorded locations of material for each assessment category	Response actions taken/renovations/other comments						
C(4)	Vinyl Asbestos Floor 7/8" 12"X12" 3,960SF	TSI Surt. Misc.	Assumed Yes No	F NF X	X	1986 Section	Group 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000						
		TSI Surt. Misc.	Assumed Yes No	F NF X									
		TSI Surt. Misc.	Assumed Yes No	F NF X									
		TSI Surt. Misc.	Assumed Yes No	F NF X									

Information abstracted by Alaine Vaasre Date May 28, 93

Fraility: F = friable, NF = nonfriable, X = not applicable (material is non-ACBM)
 AHERA assessment category: 1 = Damaged or significantly damaged TSI ACBM, 2 = Damaged friable surfacing ACBM, 3 = Significantly damaged friable surfacing ACBM, 4 = Damaged or significantly damaged friable miscellaneous ACBM, 5 = ACBM with potential for damage, 6 = ACBM with potential for significant damage, 7 = Any remaining friable ACBM or friable suspected ACBM, X = not applicable (material is non-ACBM or nonfriable surfacing or miscellaneous material), None = No assessment category provided in original inspection.

School Hill and Plain Elementary Building 1962 with 1986 addition

Date(s) of Reinspection June 14, 1993

Homogeneous Sampling Area: Material Description Hub-Pack fittings on 5.5 lines

ID Number A (2)

REINSPECTION FINDINGS FOR ACBM

MANAGEMENT PLANNER RECOMMENDATIONS

Location(s) of ACBM by assessment category	Quantity	Friability (1-7, X)	Assessment category	Justification of assessment category	Change in assessment	Preventive measures, response actions, and Initial/additional cleanings	Schedule	
							Begin	Complete
Pipe tunnels 1962; 1986 wings, 2 access in boiler room	550 fittings	F	7	Material is in good condition and access is limited.	Yes	7 Run ID on 6/16		
Pipe tunnels 1962 Section - Kindergarten Wing Cafeteria Area	13 fittings 4 class.	F	1	Material is damaged and there is debris on floor surface approx 2 s.f.	Yes	4		
	1 access near main entrance	F	X	1 access from section	Yes	4 fittings returned		

Were additional samples of this ACBM collected? Yes No Positive (3% Chrysotile.)

Date of management planner review: July 6 1993

Inspector name Bob Mercier

Management planner name RAYMOND R. FOLINO

Inspector signature _____

Management planner signature _____

Accreditation #/State _____

Accreditation #/State 93-844-136-108/CA

Expiration date _____

Expiration date 6.14.94

I, the LEA's Designated Person, have read and understood the recommendations made above: _____

Date: _____

School Hill and Plain Elementary Building 1962 wings

Date(s) of Reinspection June 14, 1993

Homogeneous Sampling Area: Material Description Mod. Park Filings on F.G. Lines

ID Number A(3) Newly Identified

REINSPECTION FINDINGS FOR ACBM

MANAGEMENT PLANNER RECOMMENDATIONS

Location(s) of ACBM by assessment category	Quantity	Friability	Assessment category (1-7, X)	Justification of assessment category	Change in assessment	Preventive measures, response actions, and initial/additional cleanings	Schedule	
							Begin	Complete
Office Area Asst. Principals Office Closet Adj to Office Corridors	10 Filings 4 Filings 12 Filings	<input checked="" type="radio"/> B NF	7	Material is in good condition and is above drop ceiling. So access is limited.	<input checked="" type="radio"/> Yes No	Material is not on drawing.		
		F			Yes			
		NF			No			

Were additional samples of this ACBM collected? Yes No (Negative)

Date of management planner review: HAYMOND R. FOLINO

Inspector name _____
 Inspector signature _____
 Accreditation #/State _____
 Expiration date _____

Management planner name HAYMOND R. FOLINO
 Management planner signature _____
 Accreditation #/State _____
 Expiration date _____

I, the LEA's Designated Person, have read and understood the recommendations made above: _____ Date: _____

Sample Reinspection Form 2. Reinspection of ACBM: Findings and Management Planner Recommendations

School Hill and Plan Elementary Building 1967 Building Date(s) of Reinspection June 14, 1993
 Homogeneous Sampling Area: Material Description Traverse Solite ID Number C(3)

REINSPECTION FINDINGS FOR ACBM					MANAGEMENT PLANNER RECOMMENDATIONS			
Location(s) of ACBM by assessment category	Quantity	Findability	Assessment category (1-7, X)	Justification of assessment category	Change in assessment	Preventive measures, response actions, and initial/additional cleanings	Schedule	
							Begin	Complete
Exterior Softt ground building perimeter	3480 sf.	F	X	Approx 144 SF was removed in the Summer of 1992	Yes	7		
<i>FRONT</i>		<i>(NF)</i>			<i>(No)</i>			
<i>School side</i>		F		<i>Approx 3 sq ft replaced</i>	Yes			
<i>REAR</i>		<i>(NF)</i>			No			
<i>Back</i>		NF		<i>275 sq ft replaced</i>	Yes			
Were additional samples of this ACBM collected? Yes <input type="radio"/> No <input checked="" type="radio"/>					Date of management planner review: _____			
Inspector name <u>Bob Mercier</u>					Management planner name <u>RAYMOND R. FOLINO</u>			
Inspector signature _____					Management planner signature _____			
Accreditation #/State _____					Accreditation #/State _____			
Expiration date _____					Expiration date _____			

I, the LEA's Designated Person, have read and understood the recommendations made above: _____ Date: _____

Sample Reinspection Form 2: Reinspection of ACBM: Findings and Management Planner Recommendations

School Hill and Plain Elementary Building 1962 Wings Date(s) of Reinspection June 14, 1993
 Homogeneous Sampling Area: Material Description 9" x 9" Floor Tile ID Number C(4)

REINSPECTION FINDINGS FOR ACBM

Location(s) of ACBM by assessment category	Quantity	Fita-bility	Assess-ment cate-gory (1-7, X)	Justification of assessment category	Change in assess-ment	Preventive measures, response actions, and initial/additional cleanings	Schedule	
							Begin	Com-plete
Corridor - Kindergarten Wing 815sf 10-249, 611, 1016, 112, 13, 14 15, 16, 17, 18, 19, 20, 21, 22	815sf	F	None	Material was removed in Summer of 1992	Yes	Remove floor O.M. Plan.		
Kindergarten Classrooms Storage Classrooms Nurses ASST Rm Storage adj to office	672sf 15,450sf 320sf 192sf 120sf	F	X	Material is in good condition.	Yes			
Remaining Areas in 1962 Section of School. 12,808 S.F. 12" x 12" VCT or Carpeting	12,808 S.F.	F	X	Material has been covered with new 12" x 12" VCT or Carpeting	Yes			

We're additional samples of this ACBM collected? Yes No Positive (2% Crystalline)

Date of management planner review: _____

Inspector name Bob Merrier
 Inspector signature _____
 Accreditation #/State _____
 Expiration date _____

Management planner name RAYMOND R. FOLINO
 Management planner signature _____
 Accreditation #/State _____
 Expiration date _____

I, the LEA's Designated Person, have read and understood the recommendations made above: _____ Date: _____

Sample Reinspection Form 2. Reinspection of ACBM: Findings and Management Planner Recommendations

School Hill and Plain Elementary Building 1986 Addition

Date(s) of Reinspection June 14, 1993

Homogeneous Sampling Area: Material Description 12" x 12" Floor Tile

ID Number 2(4)

REINSPECTION FINDINGS FOR ACBM

Location(s) of ACBM by assessment category	Quantity	Friability	Assessment category (1-7, X)	Justification of assessment category	Change in assessment	Preventive measures, response actions, and initial/additional cleanings	Schedule	
							Begin	Complete
Throughout 1986 wing. Asbestos Sample	3,960	F	X	Material is in good condition.	Yes (NO)	Remove from O.M. Plan. Mark as asbestos.		
		F			Yes			
		NF			No			
		NF			No			

Were additional samples of this ACBM collected? Yes No Tile and Plastic (Negative for Asbestos)

Date of management planner review: _____

Inspector name Bob Mercier
 Inspector signature _____
 Accreditation #/State _____
 Expiration date _____

Management planner name RAYMOND R. FOLINO
 Management planner signature _____
 Accreditation #/State _____
 Expiration date _____

I, the LEA's Designated Person, have read and understood the recommendations made above: _____ Date: _____